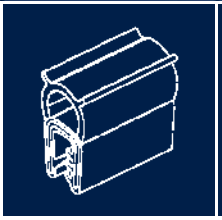
General Catalogue

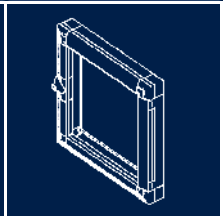
Modular Closing Systems
for Cabinets and Enclosures




LOCKS/LATCHES


HINGES


GASKETING


ACCESSORIES

www EMKA com

EMKA® Beschlagteile

List of contents

Quarter turns

Rod controls

Locking systems

Hinges

Gasketing

Handles

Aluminium windows

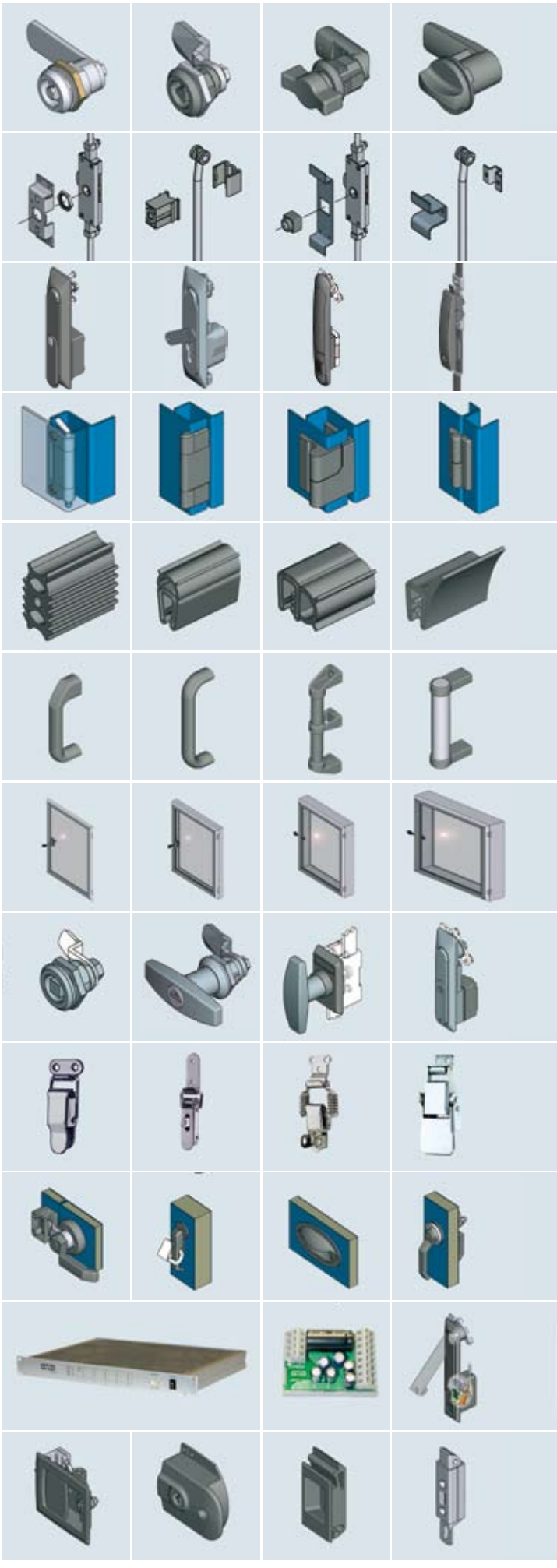
Stainless steel

Toggle latches

Air conditioning applications

ELM Electronic Locking & Monitoring Security Systems

Miscellaneous





Information General notes
Technical information

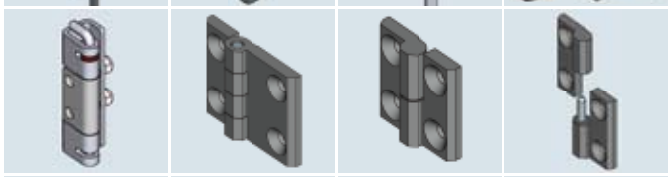
Quarter turns Overview: 1-100
1A . . . . . Quarter turns, small and medium version (Program 1012, 1022)
1B . . . . . Quarter turns, standard version (Program 1000)
1C . . . . . Accessories: cams, dust cap, rods, rod guides
1D . . . . . Quarter turn, clipfix (program 1500)
1E . . . . . Quarter turns, different versions



Rod controls
2A . . . . . Latches for heavy duty, screw-on program
2B . . . . . Latches for heavy duty, weld-on program



Locking systems Overview programs, matrix: 3-100
3A to 3N . . . . . 1107 to 3000
3XA up to 3XB . . . Locking sets: modular sets, profile half cylinders
3YA up to 3YC . . . Rod controls, bearing bush, cams
3ZA up to 3ZC . . . Rods for rod control and rod gear outside or inside the gasketing; rod guides



Hinges Overview, matrix: 4-100
4A . . . . . Hinges for prominent doors
4B . . . . . Hinges for flush doors and aluminium profiles
4C . . . . . Pin hinges



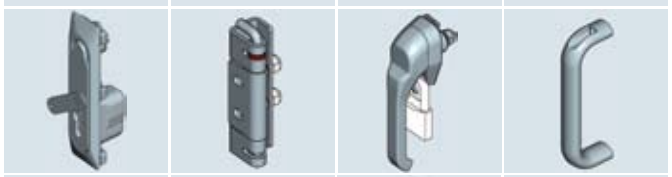
Gasketing
5A . . . . . Gasketing, closed cell sponge rubber, edge protection, window rubber profiles
5B . . . . . Gasketing according to VDI 6022
5C . . . . . EMC gasketing material



Handles
6A . . . . . Bow-type handles in different sizes, tube handles, hinged pattern handles (Program 1095)
6B . . . . . Hinged pattern handles, with leaf spring, with insert piano wire torsion spring (Program 6040)



Aluminium windows
7A . . . . . Aluminium windows with or without frame (Program 1200)
7B . . . . . EMKA PROflex: Aluminium window completely assembled or as kit for self assembly (Program 1210)
7C . . . . . Aluminium doors (Program 1300)



Stainless steel program
8A . . . . . Locks: quarter turns, escutcheons, swinghandles, rods
8B . . . . . Hinges for prominent or flush doors
8C . . . . . Miscellaneous: bow-type handles, cover stays, door stops



Toggle latches
9A . . . . . Wire toggle latch, rigid wire toggle latch, spring loaded toggle latch, special toggle latch, adjustable toggle latch, catch plates (Program 6000)



Air conditioning applications
10A . . . . . Heavy duty latches, lift and turn latch, pull, pull with quarter turn, 180° hinge (Program 1091)



ELM Electronic Locking & Monitoring Systems
11A . . . . . ELM Security System: network solutions, 19“ rack mount units, keypad, ELM combination handle with integrated keypad, sensors, accessories
11B . . . . . Stand-alone Solutions: Keypad, combination handle with integrated keypad, accessories



Miscellaneous
12A . . . . . Locks/latches: Retractable handle, door lock, slam lock, snap lock
12B . . . . . Keys
12C . . . . . Cover stays and door stops
12D . . . . . Accessories: panel mounting device, cable shunting ring, drawing pocket
12E . . . . . Fixing material

Index Part numbers / pages

The EMKA Group



EMKA Group,
Headquarters
Velbert, Germany

As a global supplier, EMKA has emerged as the world leader in the development, engineering and design of modular closing systems for industrial sheet metal and composite enclosures, cabinets, panels and switch gears.

The production engineering of approx. 18,000 components is concentrated in 8 international locations.

The international marketing organisation is formed of 43 own subsidiaries and agencies. Thus, EMKA disposes of excellent knowledge of market and product requirements.

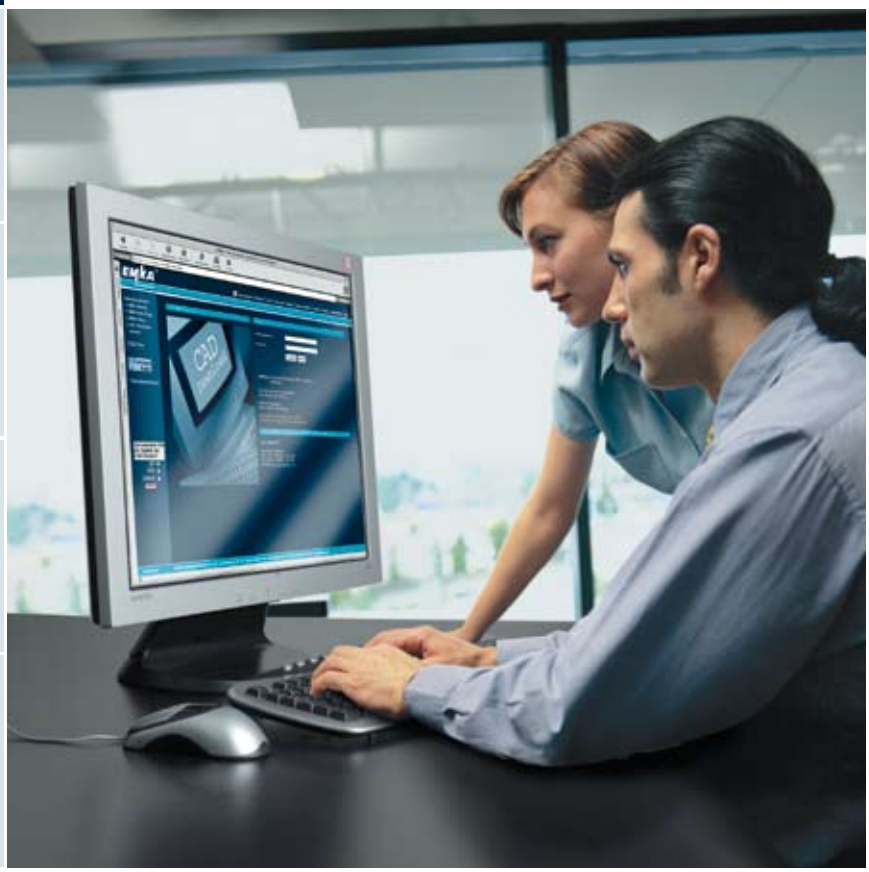
Our unique service portfolio results from our modular product program and high manufacturing expertise.

Within EMKA, an experienced team of designers and engineers provide individual solutions for customers. Solutions are developed nowadays for numerous companies: starting from development of ideas, over creation of functional prototypes and up to tool manufacture.

CAD Download

STEP

IGES



For design engineers EMKA provides a special, practice-oriented service: From the home page of any of the EMKA group's web sites solid models of EMKA parts can be easily downloaded and inserted into designs. The models are available in either STEP or IGES formats. Models can be searched either by part number or product group.

All 3D formats generated by Pro/Engineer can easily be taken over into any designer software. The EMKA Newsletter periodically informs about amendments and new products.

www.EMKA.com

Explanation of pictograms

- Inside the gasketing
- Outside the gasketing
- Concealed hinge
- Prominent hinge
- Lift-off version hinge
- Hinge limited lift-off version
- Hinge for single cabinets
- Hinge for in-line cabinets with single door
- Hinge for in-line cabinets with double door
- RH door
- LH door
- RH door or LH door
- IP-rating, such as IP 65
- PUR-foamed seal
- Compression specification of lock
- With earthing or earthing possible
- Electronic Locking & Monitoring Systems possible
- Resistance class 2 Testing acc. to DIN V ENV 1630
- 2D-nut possible
- 2D ajustable product
- 3D ajustable product
- Assembly without tool
- clip-in product
- meets hygiene requirements acc. to DIN EN 1672-2
- meets hygiene requirements acc. to DIN EN ISO 14159
- Shock and vibration test according to DIN EN 61373
- Stainless steel
  AISI 303 resp. 1.4305
  AISI 304 resp. 1.4301
  AISI 316 resp. 1.4401
  AISI 316 Ti resp. 1.4571

General notes
All drawings are shown in right-hand version.
All dimensions mentioned are in mm.
Note for cut outs: All dimensions are final dimensions, please consider for surface coating.
All drawings are not to scale.
UL50 and UL94 HB listed products see chapter 5.
Stainless steel parts made of AISI 304 material are easy to weld-on.
All cylinder locks in zinc die are supplied with one key silver steel with grip polyamide GF black.
In case of assembling by the customer, the O-rings must be lubricated with O-ring suited grease.
We reserve the right to make changes in design and drawing.

Abbreviations	
A	= Distance
B	= Width
GH	= Length of housing
H	= Height
L	= Length
Th	= Door height
Ts	= Door gauge
t	= Material gauge
SW	= Width across flat
Fst	= Spring steel
GD-Zn	= Zinc die
Ms	= Brass
St	= Mild steel
GF	= Glass fibre
GTW	= malleable cast iron, white
PA	= Polyamide

Protection categories acc. to IEC 60 529

The IP protection category is characterised by 2 numbers. Example of protection category: e.g. IP 54.

First no.	Degrees of protection against contact and foreign bodies	Sec. no.	Degrees of protection against water
1	Protected against solid foreign objects Ø 50 mm and greater	1	Protected against vertically falling water drops
2	Protected against solid foreign objects Ø 12.5 mm and greater	2	Protected against vertically falling water drops when the enclosure is tilted up to 15
3	Protected against solid foreign objects Ø 2.5 mm and greater	3	Protected against spraying water
4	Protected against solid foreign objects Ø 1.0 mm and greater	4	Protected against splashing water
5	Dust-protected	5	Protected against water jets
6	Dust-tight	6	Protected against powerful water jets
		7	Protected against the effects of temporary immersion in water
		8	Protected against the effects of continuous immersion in water
		9K	Protected against high pressure and steam jet cleaning

Explanation of IP 69K

The protection class IP 69K is designed to address high pressure, high pressure cleaning process.
The number “6” applies for external protection from dust, the “9” for the protection from high pressure cleaning from short distance, and the “K” applies to the high temperature of the water used (hot water).

The protection class IP 69K was introduced in 1993 and is based on the standard DIN 40050-9.

It was originally intended to be a standard for road vehicles that would provide protection against foreign objects such as dust, dirt and hot water jets.
The test conditions of the IP69K standard require a water pressure of 100 bar at a rate of about 15 l/min, and at a temperature of 80 ºC. The water nozzle is situated at a distance of 10 cm from the device under test.
The water jet is applied on the device under test at the angles of 0º, 30º, 60º, and 90º, for a duration of 30 seconds at each angle, while the device under test is rotated with 5 U/min on its own axis.

The paper of this catalogue is produced without chlorine bleaching.

Protection classes acc. to National Electrical Manufacturers Association (NEMA) The UL classifications are not directly comparable with IP protection classes, since both the test conditions and the evaluation of the test results are different.	
UL/NEMA	Description
1	Protection against the penetration of solid bodies.
3, 3R	Protection against the penetration of solid bodies, protection against the ingress of rain and dust and damage caused by icing.
3S	Protection against rain, snow and foreign bodies. External mechanisms remain usable despite being coated in ice.
4, 4X	Protection against rain, foreign bodies, splash water and hosed water and against damage caused by icing on the exterior of the enclosure.
12, 12K	Protection against dust deposits, foreign bodies and non-corrosive dripping liquids.
13	Protection against dust deposits, spray, oil, and non-corrosive coolants.

Stainless steel material specifications				
Germany		USA	Japan	Unified Numbering System
W.-Nr.	DIN	AISI	JIS	UNS
1.4301	X5CrNi18-10	304	SUS 304	S 30400
1.4305	X8CrNiS18-9	303	SUS 303	S 30300
1.4310	X10CrNi18-8	301	SUS 301	S 30100
1.4401	X5CrNiMo17-12-2	316	SUS 316	S 31600
1.4571	X6CrNiMoTi17-12-2	316 Ti	SUS 316 Ti	S 31635

Statement regarding RoHS-Compliance

Background and Requirements

As of July 1, 2006, the EU-Directive 2002/95/EG, abbr. RoHS (Restrictions of Hazardous Substances), for a restriction of the use of certain materials within electrical and electronic equipment, governs material concentrations of lead, mercury, cadmium, chromium VI (hexavalent chromium) and brominated flame retardants for electrical and electronic equipment newly put in circulation.

Statement

For the EMKA Group with global business the protection of the environment and natural resources has always been considered as an entrepreneurial commitment and, as a consequence, the Company EMKA Beschlagteile GmbH & Co. KG very early on decided to gradually adopt RoHS for the whole product range.

Since July 1st, 2006, the date fixed by law, the whole range of products from the EMKA standard program are in compliance with RoHS.

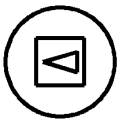
Tolerances of gasketing from chapter 5

As the following product descriptions do not contain any reference to measurement tolerances, deviations are covered by the applicable DIN Standard ISO 3302-1 E 2 from which the following examples have been taken.

Nominal dimension	to 2,5	over 2,5 to 4	over 4 to 6,3	over 6,3 to 10	over 10 to 16	over 16 to 40	over 25 to 40	over 40 to 63	over 63 to 100
Tolerance ±	0,35	0,40	0,50	0,70	0,80	1,00	1,30	1,60	2,00

Note:
In unfavourable storage conditions or when incorrectly handled, most rubber products will change their physical properties and be of no further use due to excessive hardening, softening, permanent set, flaking, cracking, and other surface defects. Such changes can for example be caused by the effects of oxygen, ozone, heat, light, damp, solvents, or storage under tension.

Overview of inserts for quarter turns, escutcheons, swinghandles and further articles.

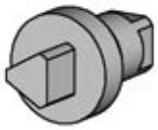
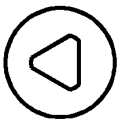
– Square




– Square with slot




– Triangular CNOMO

– Triangular



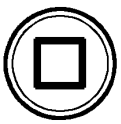

– Double bit




– Hexagon male



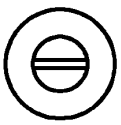

– Hexagon female

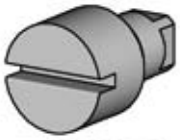
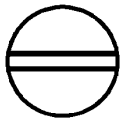
– Square female




– Daimler Benz

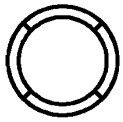
– Slot 1,2 x 3

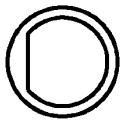
– Slot 2 x 4



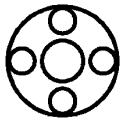

– Slot 2 x 4
coinproof

– Crown type

– Eastern Europe
Ø 13 half round

– FIAT




– Railroad




– Hexagon female
with pin




– Ø 8,6 with slot




– Tube

Further inserts on request!



ZERTIFIKAT

Die Germanischer Lloyd Certification GmbH, 20459 Hamburg,
bescheinigt hiermit, dass das Unternehmen

EMKA Beschlagteile GmbH & Co. KG
Langenberger Straße 32, 42551 Velbert

für den Geltungsbereich

Entwicklung, Herstellung und Vertrieb von mechanischen/elektronischen Verschluss-Systemen; Scharnieren; Dichtungen; Druckguss-, Kunststoffspritz-, Automatendrehteilen und Sonderanfertigungen

ein integriertes Managementsystem eingeführt hat und anwendet.

Durch ein Audit der Germanischer Lloyd Certification GmbH wurde der Nachweis erbracht, dass das integrierte Managementsystem die Forderungen der folgenden Standards erfüllt:

ISO 9001:2008 und ISO 14001:2004

Dieses Zertifikat setzt voraus, dass das Unternehmen sein integriertes Managementsystem nach den angegebenen Standards anwendet und aufrechterhält. Dies wird von der Germanischer Lloyd Certification GmbH überwacht.

Dieses Zertifikat gilt bis zum 15.02.2013

Hamburg, den 12.03.2010

Zertifikat Nr. **QS-159 HH und EM-2530 HH**

Wilhelm Loskot Thore Dabels

TGA-ZM-07-91



CERTIFICATE

The Germanischer Lloyd Certification GmbH, 20459 Hamburg,
herewith certifies that the company

EMKA Beschlagteile GmbH & Co. KG
Langenberger Straße 32, 42551 Velbert, GERMANY

has established and maintains a integrated Management System relevant for:

Development, manufacturing and sales of mechanical / electronic locking systems; hinges; gaskets; die casting products, injection moulded parts, robot turned parts, specially manufactured products.

Germanischer Lloyd Certification GmbH has audited the company. Evidence was provided that the Integrated Management System fulfills the requirements of the following standards:

ISO 9001:2008 and ISO 14001:2004

The validity of this certificate is subject to the company applying and maintaining its integrated Management System in accordance with the standards indicated. This will be monitored by Germanischer Lloyd Certification GmbH.

The certificate is valid until February 15, 2013

Hamburg, March 12, 2010

Certificate No. **QS-159 HH and EM-2530 HH**

Wilhelm Loskot Thore Dabels

TGA-ZM-07-91

Explanation of the terms left hand/right hand door and locking direction



LH door
=
Hinges are on the LH side



LH door with swinghandle
=
Opening direction is clockwise



LH door with escutcheon
=
Opening direction is anti-clockwise

Illustration with closed door



RH door
=
Hinges are on the RH side



RH door with swinghandle
=
Opening direction is anti-clockwise



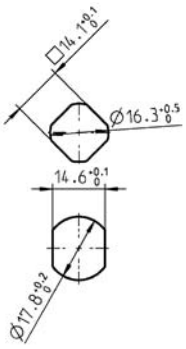
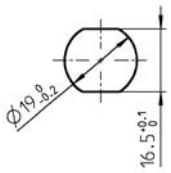
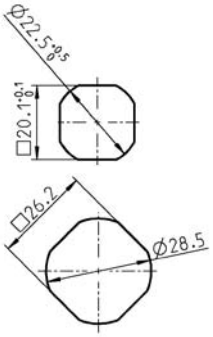
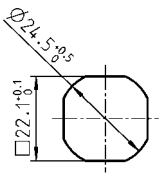
RH door with escutcheon
=
Opening direction is clockwise

EMKA®

Beschlagteile

Notes:

Quarter turns

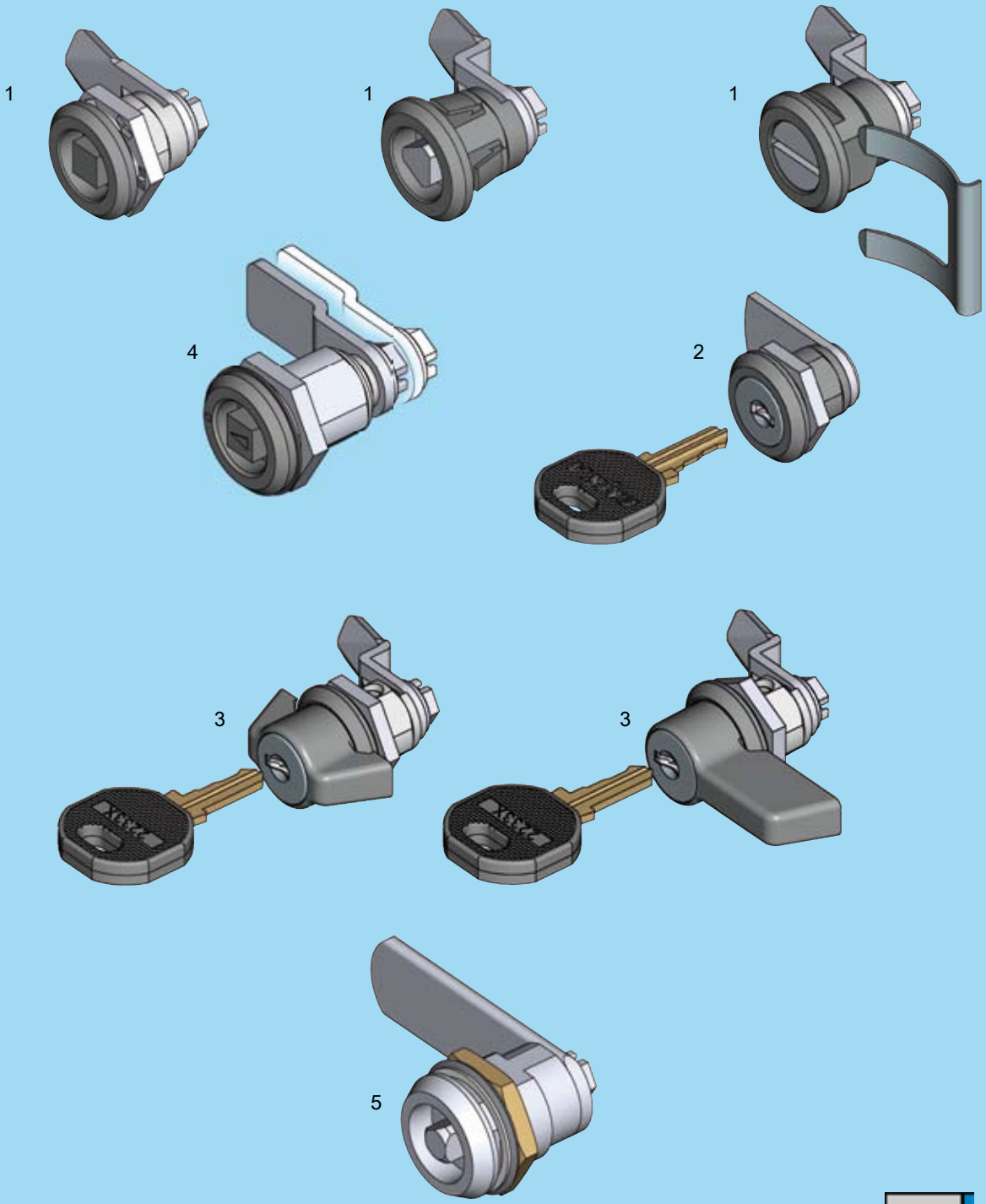
1022	1012	1000	1500	
Quarter turn small version	Quarter turn medium version	Quarter turn standard version	Quarter turn Version	
1A-100	1A-100	1B-100, 1C-100	1D-100	see page
				
●	●	●	●	Screw-in
●		●		Clip-in
●		●		With spring fixing
		●		Weld-on
IP 65	IP 65	IP 65 / IP 66 / IP 69K	IP 65	Protection: IP
20 / 22	22	28 / 30 / 32 / □28	30	Head diameter
3	4	4 / 5 / 6 / 24	4 / 6	Head height
13,5	20	18-60	15 / 18	Housing length
●		●	●	Polyamide
●	●	●		Zinc die
		●		Mild steel
●		●		Stainless steel
●		●		Sealing seperate
		●	●	Foamed sealing
		●	●	Cam polyamide
●	●	●	●	Cam m.s.
		●	●	Cam stainless steel
●	●	●	●	Insert
●		●	●	Round cylinder
●		●	●	Wing knob
		●	●	T-Handle
		●	●	L-Handle
		●		Radial cylinder
		●		Padlock
		●		Safety quarter turn
●		●		Compression latch
		●		Locking for fire brigade
		●		Railroad
		●		FIAT
		●		Quarter turn for Swedish power companies
		●		Slam cam
		●		Hooked lever assembly
●	●	●		Dust cap
		●		Finger pull
		●		Inside handle

EMKA®

Beschlagteile

Notes:

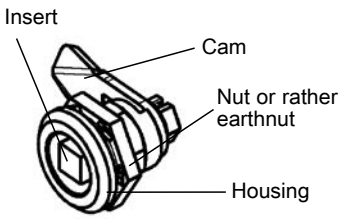
Quarter turns small and medium version, Program 1012, 1022

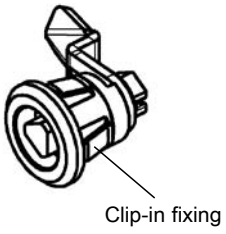


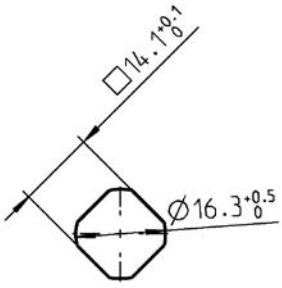
1	Quarter turns with insert	1A-120
2	Cylinder quarter turns	1A-160
3	Wing knobs	1A-140
4	Compression latches	1A-220
5	Quarter turns with insert	1A-420

Quarter turn, small version

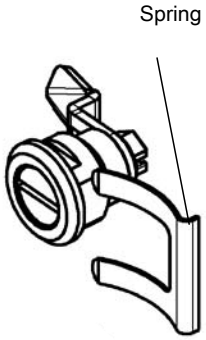
PROGRAM 1022

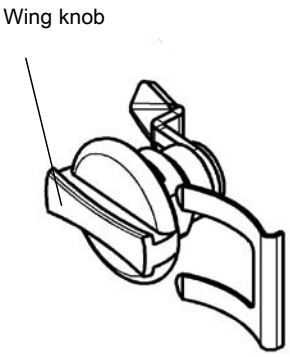


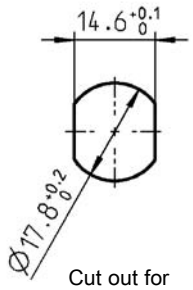




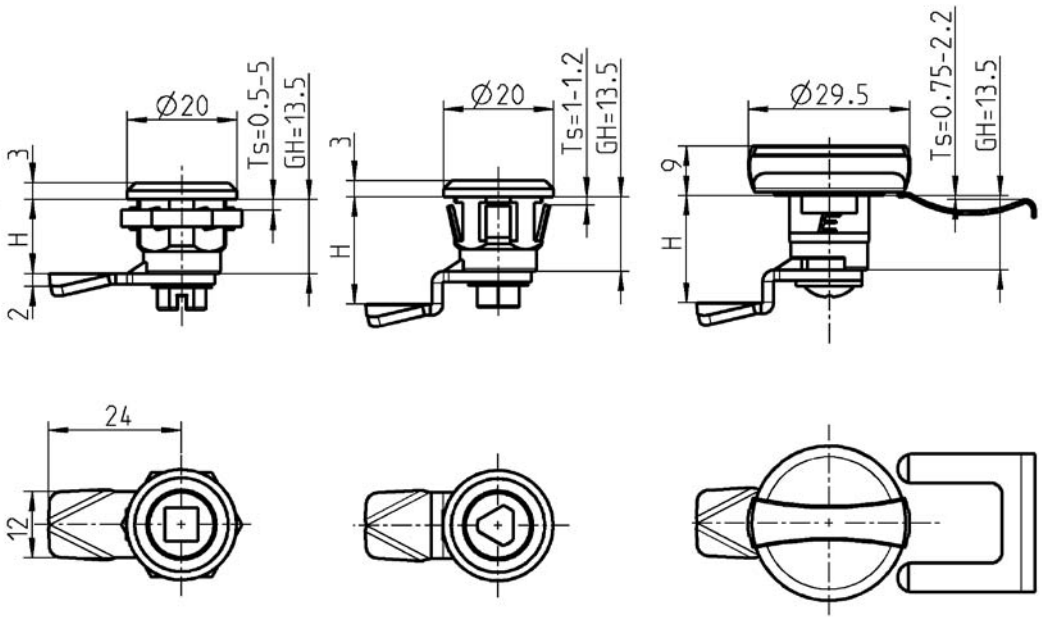
Cut out for nut and clip-in fixing







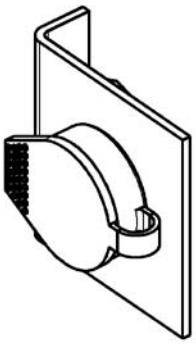
Cut out for spring fixing

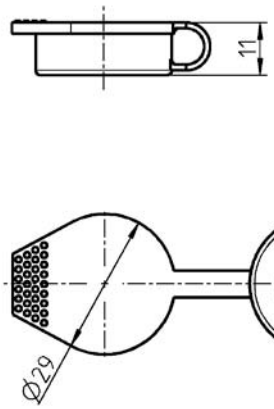


Housing zinc die, PA or stainless steel with nut or spring fixing m.s. zinc plated or stainless steel					
	Zinc die chrome plated	**Zinc die black powder coated**	**Stainless steel AISI 303**	**Polyamide black**	
with nut [1] m.s. [2] AISI 303	1022-U8[1]	1022-U46[1]	1022-U60[2]	1022-U71[1]	
with earthnut m.s.	1022-U9	1022-U47	–	–	
Clip-in fixing	–	–	–	1022-01-02	
with spring fixing	1022-U76	1022-U77	–	1022-U78	
Insert zinc die, PA or stainless steel, fixing material m.s. zinc plated					**Key zinc die black**
Square 6	1022-U2	1022-U44	1022-U61	1022-U72	1004-20
Triangular 6,5	1022-U1	1022-U43	1022-U62	1022-U73	1004-21
Slot 1,5	1022-U3	1022-U45	1022-U63	1022-U74	–
Blank	1022-U4	–	1022-U64	1022-U75	–
Wing knob	–	–	–	1022-U82	–

EDELSTAHL Rost frei STAINLESS STEEL

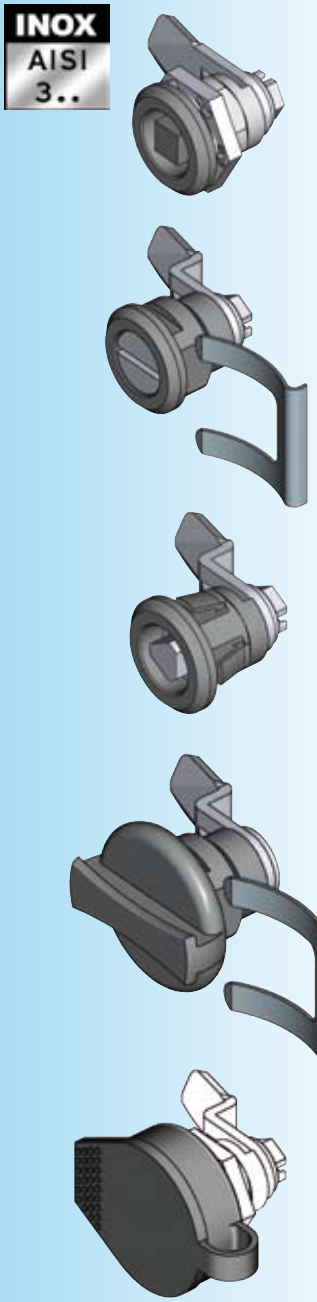
Accessories





Attention:
Not suitable for housings with spring or clip-in fixing.





Cam m.s. zinc plated, t = 2	
H = 7,5	1022-20
13,5	1022-07
19,5	1022-08
IP 65 with:	
– O-ring	1022-09
- Flat seal (only for nut fixing)	1022-10
Assembly request	
without O-ring	1022-990
with O-ring	1022-991
Accessories	
Dust cap polyethylene black	1022-23-01

Attention:
By using the dust cap 1022-23-01 dimension H will be reduced by 2 mm
Not suitable for housings with spring or clip-in fixing

Application area:
Small doors and panels

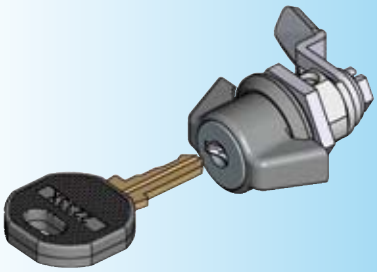
EMKA®

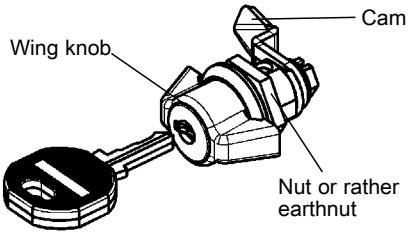
Beschlagteile

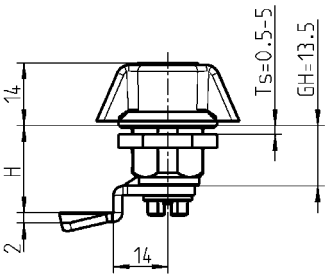
Wing knob, small version

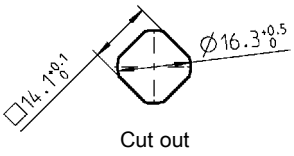
PROGRAM 1022

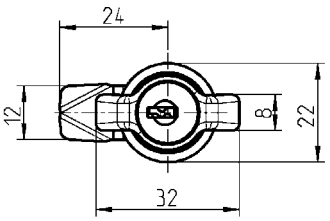






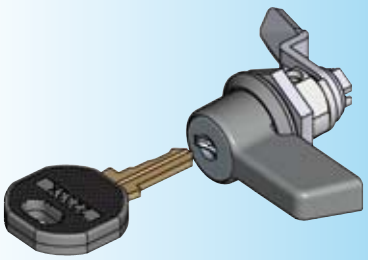


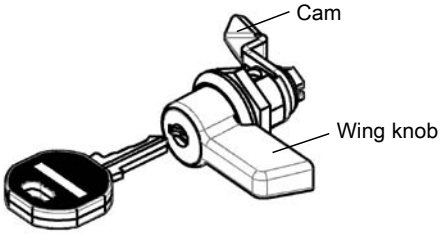


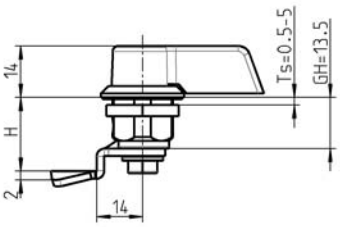


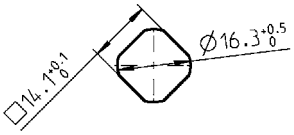
Wing knob with housing zinc die, round cylinder zinc die with stainless steel cap, nut or earthnut and screw m.s. zinc plated.
Each round cylinder has one silver steel key with polyamide grip GF black.

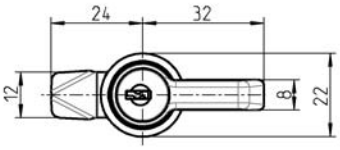
non locking*	keyed 2233X	keyed different		non locking*	keyed 2233X	keyed different
chrome plated				black powder coated		
1022-U29	1022-U31	1022-U33	**Nut**	1022-U37	1022-U39	1022-U41
1022-U30	1022-U32	1022-U34	**Earthnut**	1022-U38	1022-U40	1022-U42
Cam m.s. zinc plated, t = 2						
H = 7,5	1022-20	H = 13,5	1022-07	H = 19,5	1022-08	











Wing knob with housing zinc die, round cylinder zinc die with stainless steel cap, nut or earthnut and screw m.s. zinc plated.
Each round cylinder has one silver steel key with polyamide grip GF black.

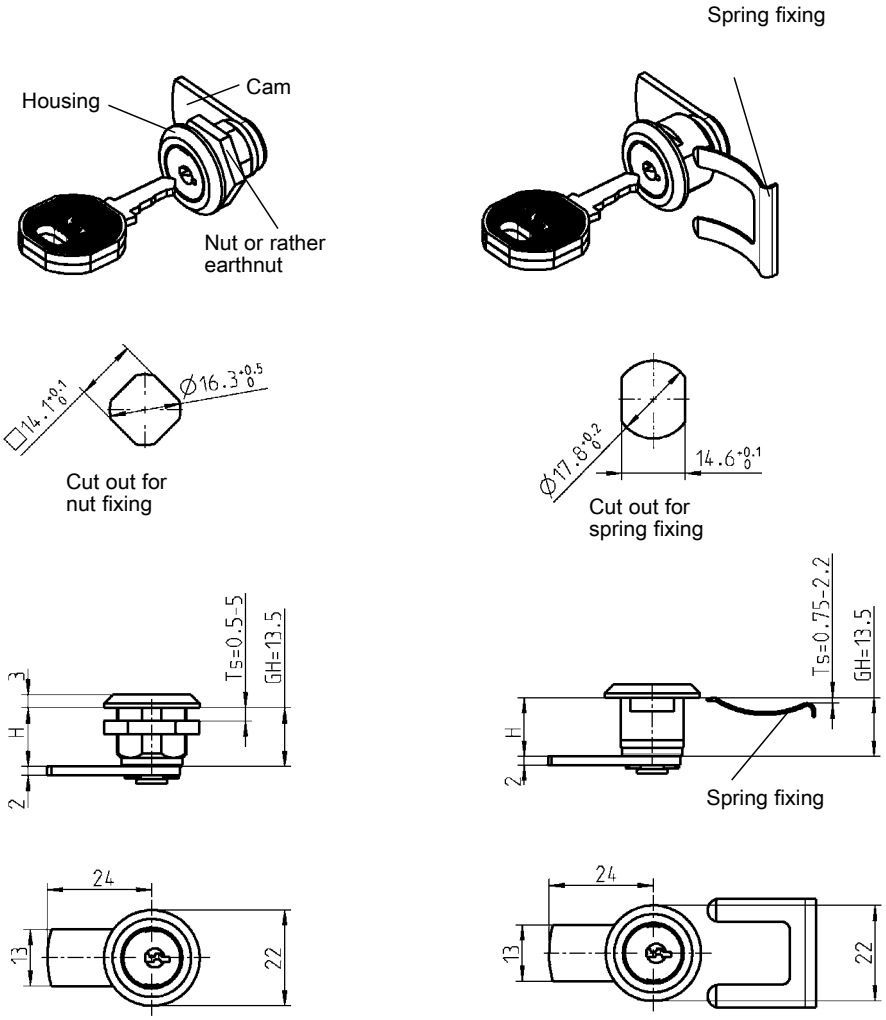
non locking*	keyed 2233X	keyed different		non locking*	keyed 2233X	keyed different
chrome plated				black powder coated		
1022-U48	1022-U50	1022-U52	**nut**	1022-U54	1022-U56	1022-U58
1022-U49	1022-U51	1022-U53	**earthnut**	1022-U55	1022-U57	1022-U59
Cam m.s. zinc plated, t = 2						
H = 7,5	1022-20	H = 13,5	1022-07	H = 19,5	1022-08	

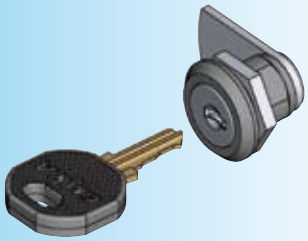
*** = IP 65**

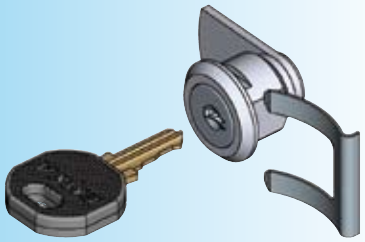
Operating area:
Small doors and panels

Cylinder quarter turn, small version

PROGRAM 1022







Cylinder quarter turn material on choice, zinc die chrome plated or polyamide GF black, round cylinder zinc die with stainless steel cap, nut or earthnut and safety washer m.s. zinc plated
1) with one key silver steel and polyamide GF grip black
2) with one key m.s. nickel plated

	H	Zinc die with nut 1)	Zind die with earthnut 1)	Polyamide with nut 2)
keyed 2233X	7,5	1022-U16	1022-U22	1022-U65
	13,5	1022-U17	1022-U23	1022-U66
	19,5	1022-U18	1022-U24	1022-U67
keyed different	7,5	1022-U19	1022-U25	1022-U68
	13,5	1022-U20	1022-U26	1022-U69
	19,5	1022-U21	1022-U27	1022-U70

	H	Zinc die with spring fixing 1)
keyed 2233X	7,5	1022-U10
	13,5	1022-U11
	19,5	1022-U12
keyed different	7,5	1022-U13
	13,5	1022-U14
	19,5	1022-U15

Application area:
Small doors and panels

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Beschlagteile

Compression latch

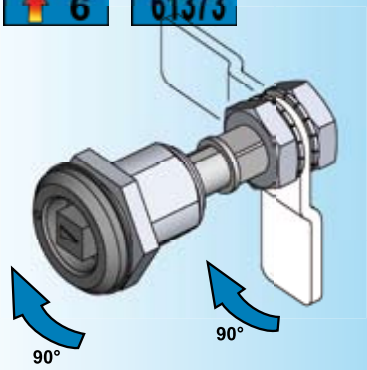
PROGRAM 1022

RL

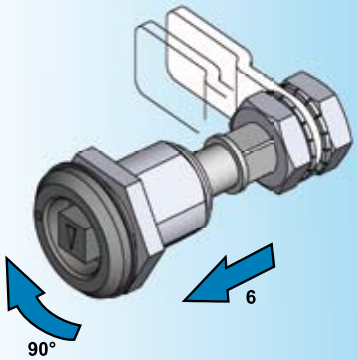
IP 65

6

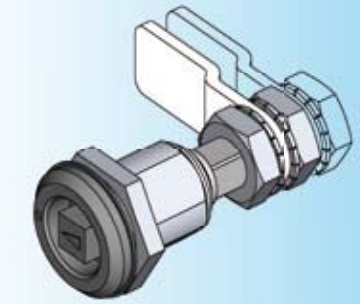
DIN EN 61373



Open condition
The first 90° of rotation of the insert also turns the cam 90°.



Closed position
The second 90° of rotation of the insert draws the cam toward the door 6 mm axially.

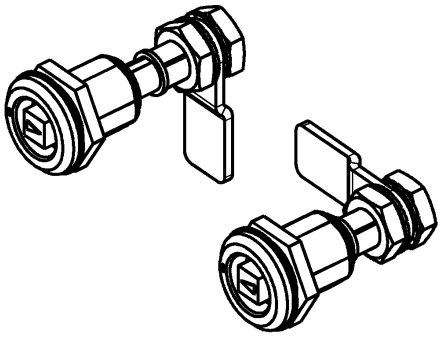


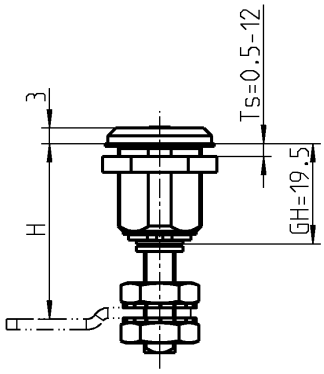
Compressed condition

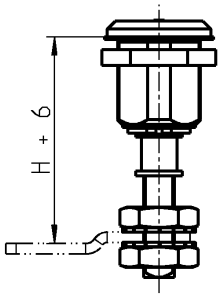
Unlock:
Reversed rotation

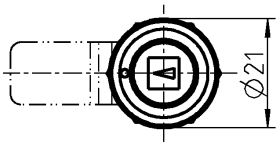
Vibration proof

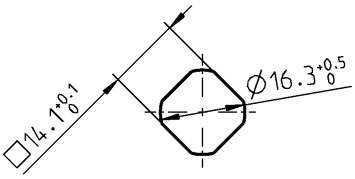
The compression latch is of a vibration-proof design.
Depending on the installation location and operational conditions specific checks are necessary and/or supplementary measures of fastening required.











Cut out

max. torque 2.5 Nm

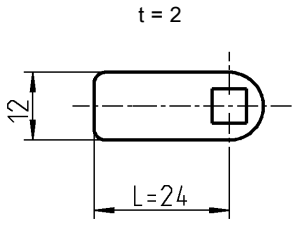
Further parts see page

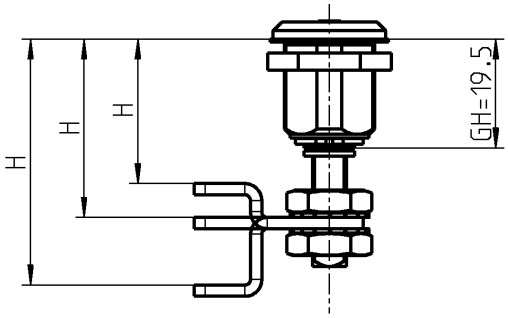
– Dust cap 1A-120
– Cam 1A-240
– Key 12B-120

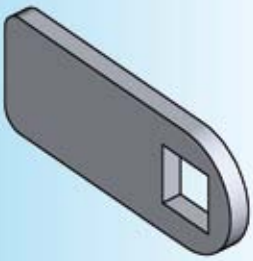
Housing and insert zinc die, nut and screw m.s. zinc plated, with spring and seal		
	black powder coated	chrome plated
Square 6	1022-U83	1022-U83-IA
Triangular 6,5	1022-U85	1022-U85-IA
Slot 1,5 x 3	1022-U84	1022-U84-IA

Cam m.s. zinc plated for compression latch

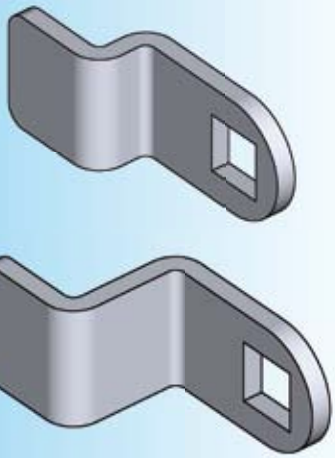
PROGRAM 1022







straight cam



bended cam

Cam m.s. zinc plated		
for GH = 19,5	**H**	**GH = 19,5**
straight	25,5 - 32,5	1022-49
bended 6 mm	19,5 - 26,5; 31,5 - 38,5	1022-50
bended 12 mm	13,5 - 20,5; 37,5 - 44,5	1022-51

Note:
Bended cams are reversible

Further parts see page
– Compression latch 1A-220

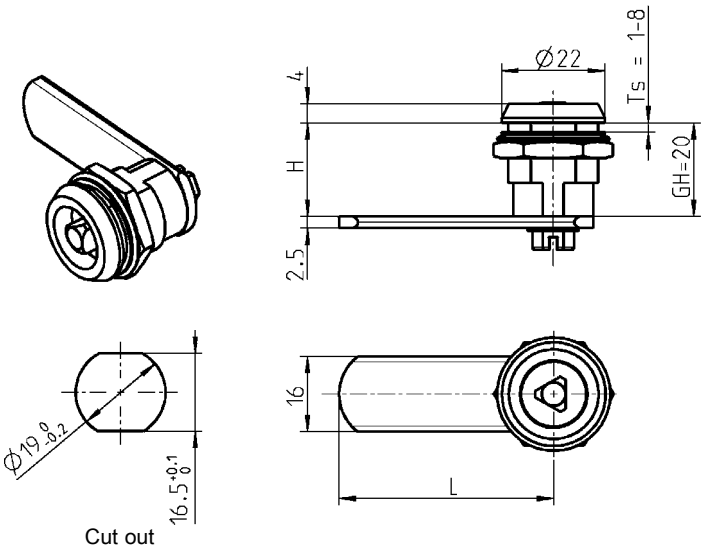
EMKA®

Beschlagteile

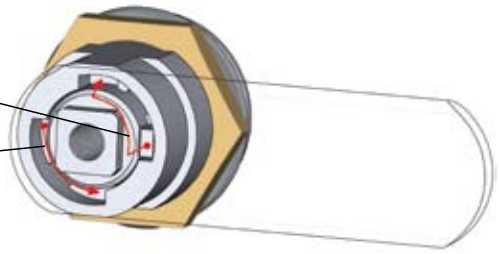
Notes:

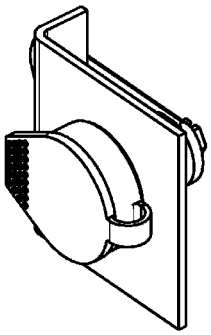
Quarter turn with built-in options, medium version

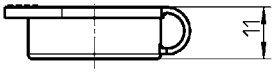
PROGRAM 1012

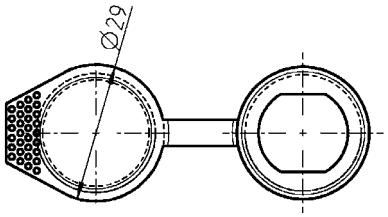


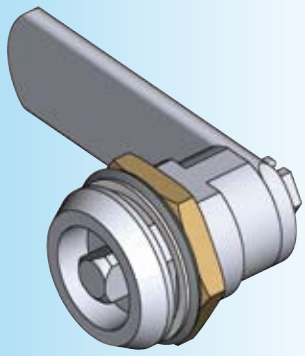
2 in 1









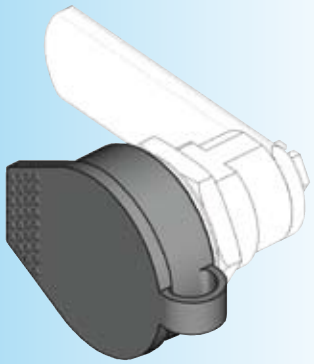


This Quarter turn has two options.

Version A:
Press down insert turn quarter turn.
Cam snaps into place.
Vibration proof op.

Version B:
Turn insert for standard quarter turn operation.

Note:
The quarter is of a vibration-proof design. This depends on the installation location and operational conditions. Specific checks are necessary and/or supplementary measures of fastening required.

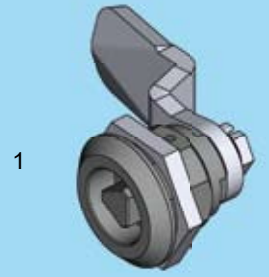


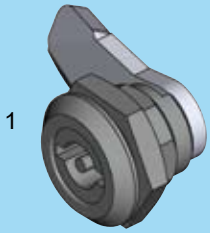
Complete quarter turn: Housing with insert zinc die nickel plated, Nut brass, screw m.s.zinc plated with spring and seal		Key
Square 7	1012-U2	1004-36
Triangular 6,5	1012-U1	1004-21
Double bit 3	1012-U3	1004-34
Slot 2 x 2,5 coinproof	1012-U4	–
Cam m.s. zinc plated		
H = 20 ; L = 46	1012-05	
Lock washer Fst zinc plated		
	1012-06-JG	
Dust cap polyethylene black		
	1012-08	

Other inserts on request

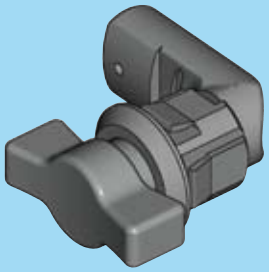
Cams with other dimensions (H and L) on request.

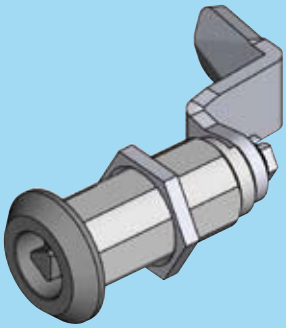
Quarter turns standard version, Program 1000

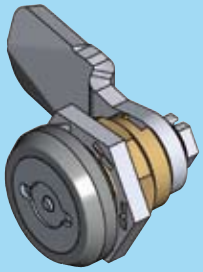

1


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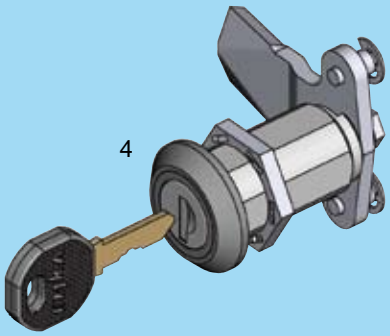

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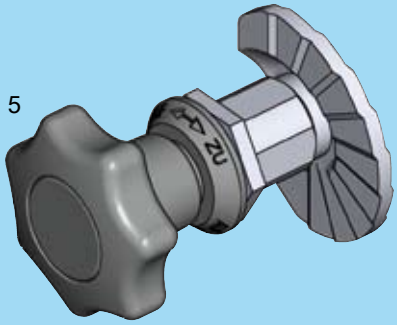

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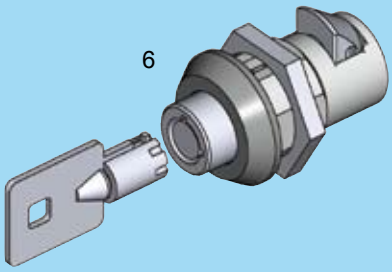

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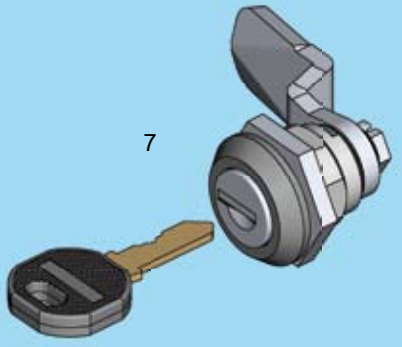

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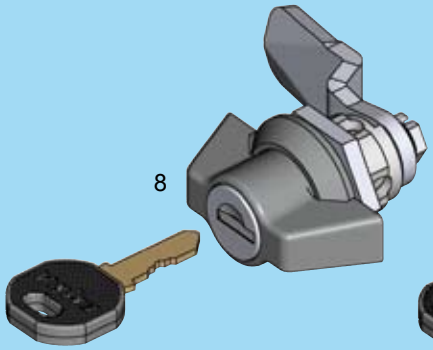

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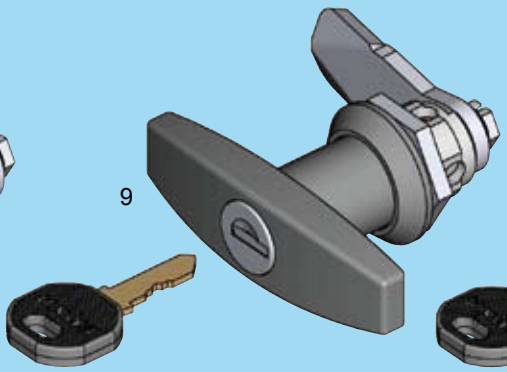

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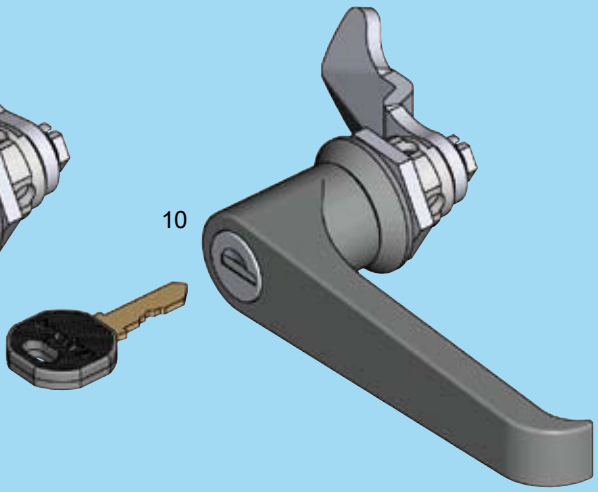

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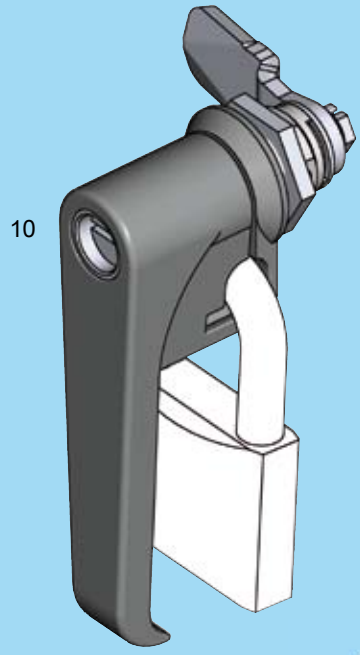

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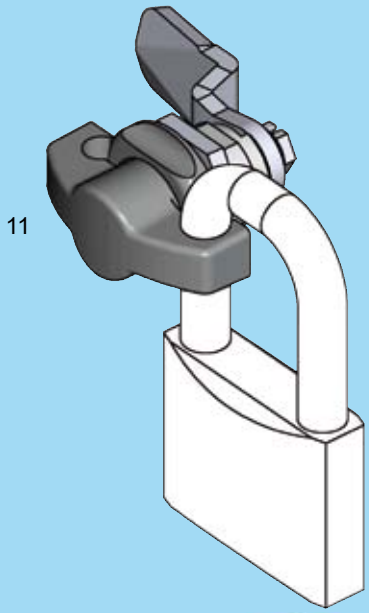

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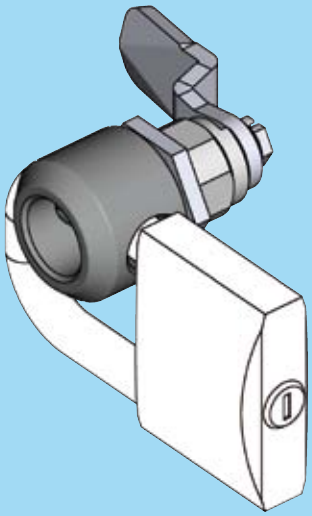

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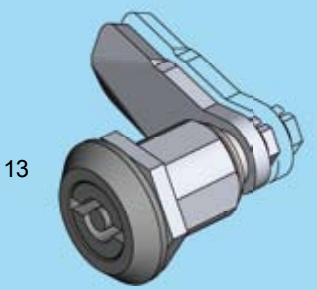

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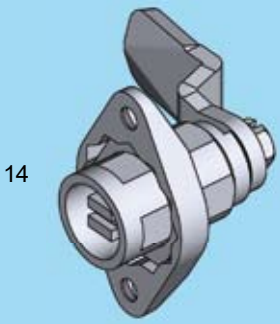

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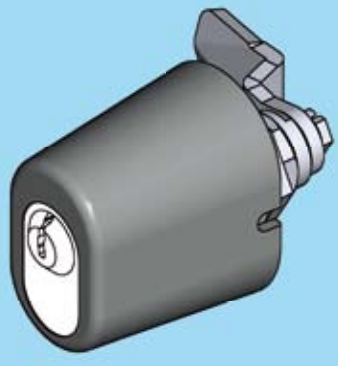


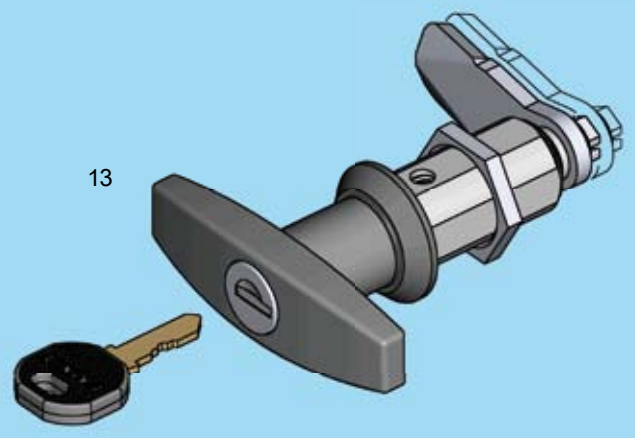




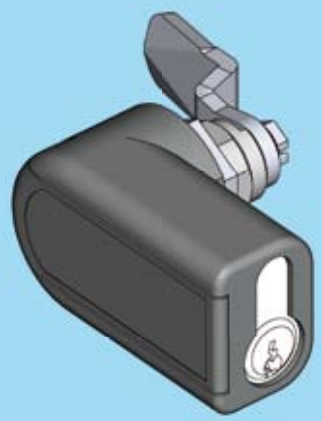












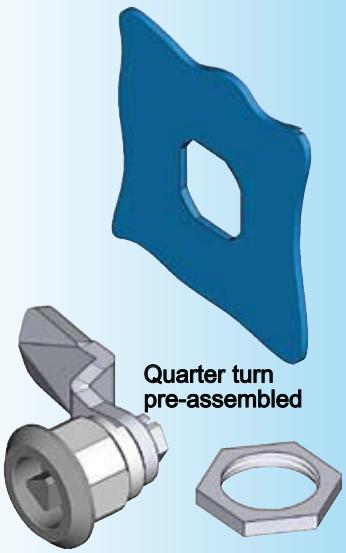
1	Quarter turn screw-on e.g. with insert	1B-120 up to 1B-360, 1B-680 up to 1B-860
2	Quarter turn with spring fixing e.g. with insert	1B-160
3	Clip-in quarter turn e.g. with wing knob	1B-160, 1B-760
4	Safety quarter turn	1B-320 up to 1B-360
5	Quarter turn with stepped cam	1B-240
6	Radial pin-push cylinder	1B-380
7	Quarter turn with cylinder	1B-420
8	Wing knob	1B-540
9	T-Handle	1B-520, 1B-560
10	L-Handle	1B-580 up to 1B-640
11	Quarter turn for padlock	1B-680
12	Quarter turn with padlockable housing	1B-680
13	Compression latch	1B-220 up to 1B-235
14	Quarter turn screw-on or weld-on	1B-820, 1B-830
15	Wing knob for ASSA-cylinder	1B-840
16	Quarter turn for hygienic areas	1B-835
17	Quarter turn for profile half cylinder	1B-850

EMKA®

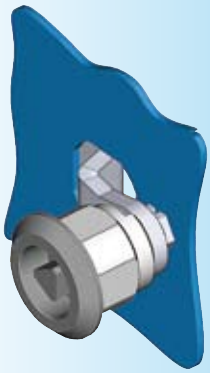
Beschlagteile

Quarter turn assembling

PROGRAM 1000



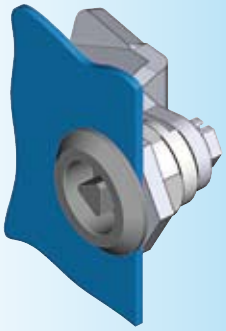
Quarter turn pre-assembled



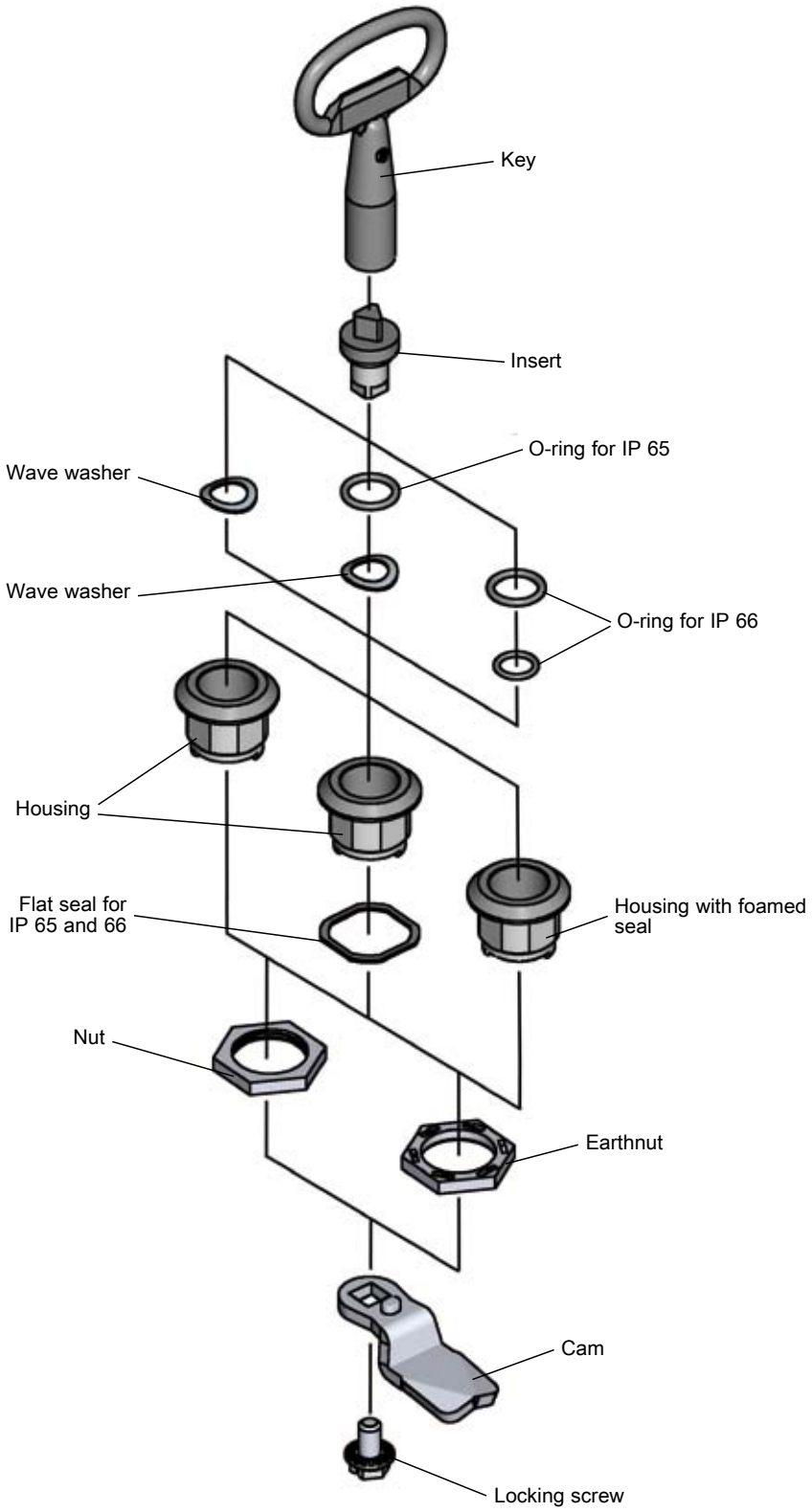
Pass through cut out



Assemble the nut



Ready for operating



Screw-in safety earthing quarter turn program

By use of the afore mentioned earthnut our screw-in quarter turn is in accordance to the standard VDE-regulation 0660/part 5.

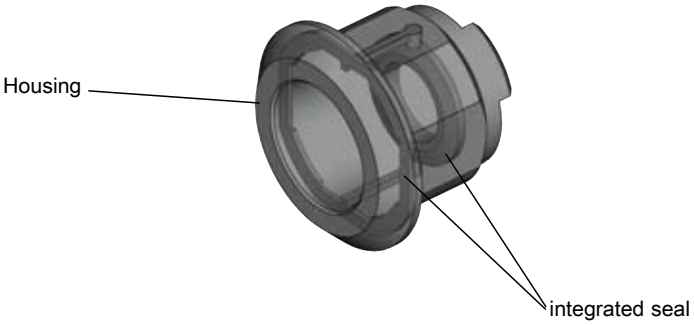
The earthnut is produced with teeth, which under pressure removes the enamel in a limited way and ensure metallic continuity (earthing).

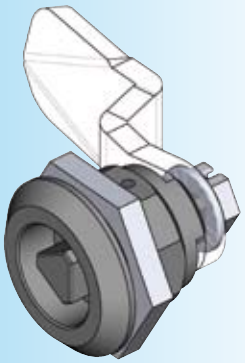
Standard nuts do not meet this requirement due to the high quality of the enamel.

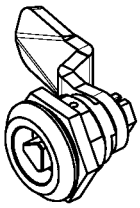
Quarter turn with integrated IP 65 seals

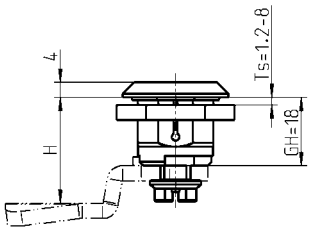
PROGRAM 1000

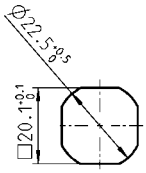
RL IP 65



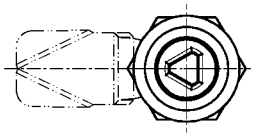








Cut out



Housing polyamide 6 GF 30 black with integrated TPE seal* with nut m.s. zinc plated		
Head diameter	**28**	**32**
Head height	**4**	**6**
	1000-U155-D	1000-U46-D
Insert polyamide 66 GF 50 black with screw m.s. zinc plated		
Square 7	1000-U184-N2	
Square 8	1000-U185-N2	
Triangular 8	1000-U186-N2	
Double bit 3	1000-U187-N2	
Double bit 5	1000-U188-N2	
Slot 2 x 4	1000-U196-N2	
Assembling on request		
	1000-990	

*The TPE seal provides protection against penetration of water, aqueous solution, alcohol, antifreeze, saline solution (15 %), sulphuric acid (98 %), hydrochloric acid and caustic soda. A very good resistance against hydrolysis is provided.
In case of prolonged contact with oil and fuel then the problem of swelling or hardening could arise. Occasional lubrication will help to prevent these problems.

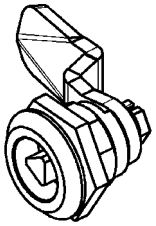
Attention:
In case of assembling by the customers the insert must be lubricated (Vaseline).

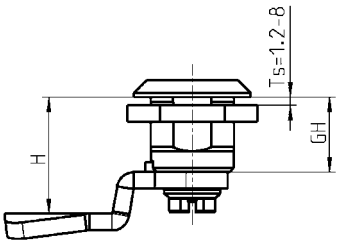
Further parts see page

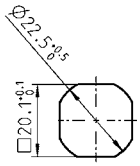
– Cam		1C-120
	up to	1C-220
– Accessories	from	1C-220
– Escutcheon		3B-140
– Key		12B-120

Quarter turn; Housing GH = 18 and 30 - 60; Insert; Seal

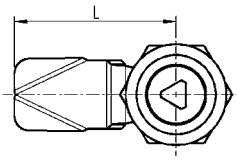
PROGRAM 1000



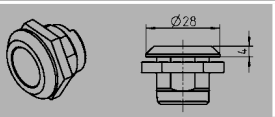
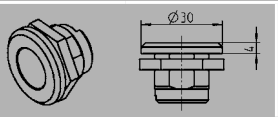
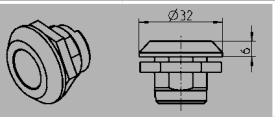
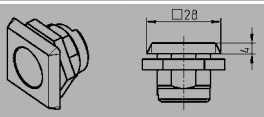


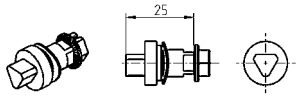


Cut out



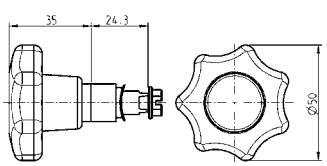
Housing with nut or earthnut m.s.zinc plated

Head diameter GH = 18 mm Head height	 4		 4		 6		 4	
	Nut	Earthnut	Nut	Earthnut	Nut	Earthnut	Nut	Earthnut
zinc die chrome pl.	1000-U45	1000-U56	1000-U47	1000-U55	1000-U7	1000-U54	1000-U330	1000-U332
Zinc die chrome plated (with foamed seal)	1000-U45-G	1000-U56-G	1000-U47-G	1000-U55-G	1000-U7-G	1000-U54-G	–	–
Zinc die black powder coated	1000-U223	1000-U224	1000-U221	1000-U222	1000-U219	1000-U220	1000-U331	1000-U333
Zinc die black powder coated (with foamed seal)	1000-U223-G	1000-U224-G	1000-U221-G	1000-U222-G	1000-U219-G	1000-U220-G	–	–
Polyamide GF black	1000-U155	–	–	–	1000-U46	–	–	–
Polyamide GF black (with foamed seal)	1000-U155-G	–	–	–	1000-U46-G	–	–	–
Stainless steel AISI 304 (with foamed seal)	1000-U134	–	–	–	–	–	–	–
Stainless steel AISI 316 (with foamed seal)	1000-U530	–	–	–	–	–	–	–

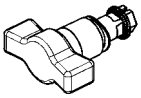


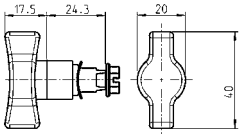
Insert





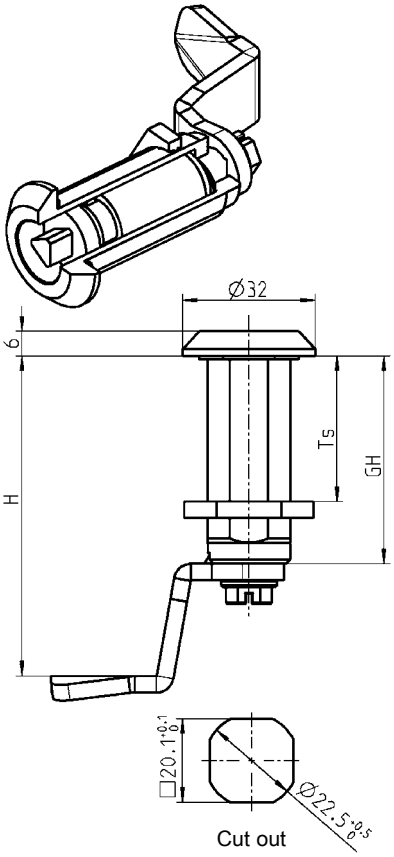
Star handle



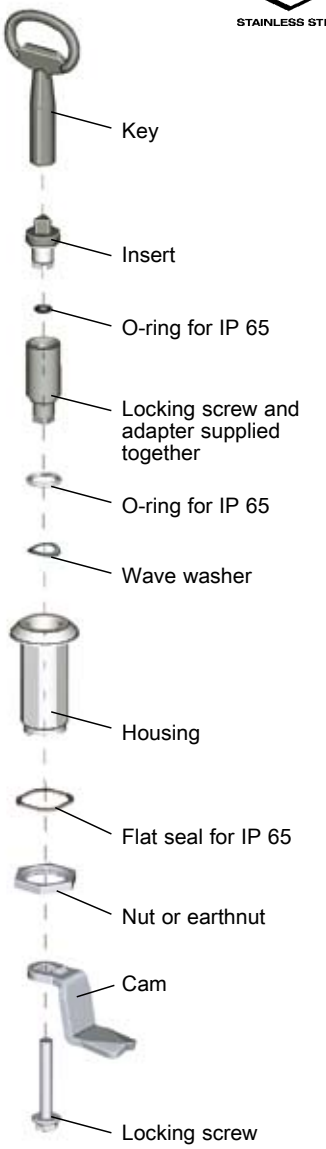


Wing knob

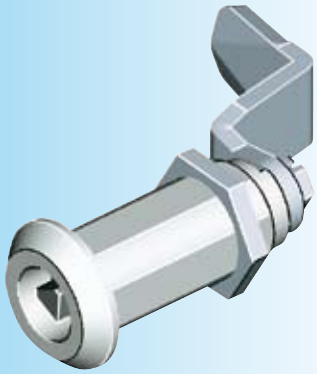
Insert zinc die, polyamide or stainless steel, fixing material m.s. zinc plated or stainless steel	Zinc die chrome plated	Zinc die black	Polyamide 66 GF 50 black	Stainl.steel AISI 304	Stainl.steel AISI 316
Square 6	1000-U17	1000-U322	–	1000-U351	–
Square 7	1000-U1	1000-U323	1000-U184-N	1000-U135	1000-U531
Square 8	1000-U2	1000-U324	1000-U185-N	1000-U136	1000-U532
Square 8 slotted	1000-U18	–	–	1000-U352	–
Triangular 6,5 CNOMO	1000-U197	–	–	–	–
Triangular 7	1000-U3	1000-U325	–	1000-U334	1000-U536
Triangular 8	1000-U4	1000-U326	1000-U186-N	1000-U335	1000-U537
Triangular 9	1000-U194	–	–	–	–
Triangular 10	1000-U249	–	–	–	–
Double bit 3	1000-U5	1000-U327	1000-U187-N	1000-U183	1000-U533
Double bit 5	1000-U6	1000-U328	1000-U188-N	1000-U137	1000-U534
Hexagon female 10	1000-U96	–	–	–	–
Square female 6	1000-U168	–	–	–	–
Square female 7	1000-U182	–	–	–	–
Square female 8	1000-U169	–	–	–	–
Daimler Benz	1000-U20	–	–	–	–
Slot 1,2 x 3	1000-U195	–	–	–	–
Slot 2 x 4	1000-U142	1000-U329	1000-U196-N	1000-U630	1000-U631
Slot 2 x 4 coinproof	1000-U738	1000-U739	–	–	–
Crown type	1000-U336	–	–	–	–
Eastern Europe Ø 13	1000-U509	–	–	1000-U729	–
Hexagon female with pin	1000-U757	–	–	1000-U757-01	–
			Polyamide GF / Zinc die black	Polyamide GF black / AISI 304	
Star handle	–	–	1000-U13	1000-U138	–
Wing knob	–	–	1000-U78	1000-U510	–



Assembling instruction







IP 65 with:	
Flat seal	1000-23
O-ring	1000-24
IP 66 with:	
Seal-set	1000-U769
IP 69K with:	
* Seal-set	1000-U841
Assembly on request:	
without O-ring	1000-990
with O-ring	1000-991

Housing material on choice nut or earthnut m.s. zinc plated

GH	Ts	Zinc die chrome plated		Zinc die black powder coated		polyamide black
	1,5 –	Nut	Earthnut	Nut	Earthnut	Nut
30 mm	20 mm	1000-U51	1000-U65	1000-U225	1000-U226	–
– adapter				1000-U164		
36 mm	26 mm	1000-U246	1000-U248	1000-U317	1000-U318	–
– adapter				1000-U198		
40 mm	30 mm	1000-U66	1000-U67	1000-U227	1000-U228	1000-U737
– adapter				1000-U165		
50 mm	40 mm	1000-U68	1000-U69	1000-U229	1000-U230	1000-U736
– adapter				1000-U166		
60 mm	50 mm	1000-U504	1000-U505	1000-U506	1000-U507	–
– adapter				1000-U535		

* Seal-set only complete assembled with housing, insert and cam available

Note:
Quarter turn assembling 1B-105

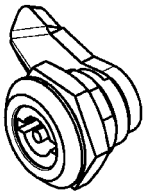
Further parts see page

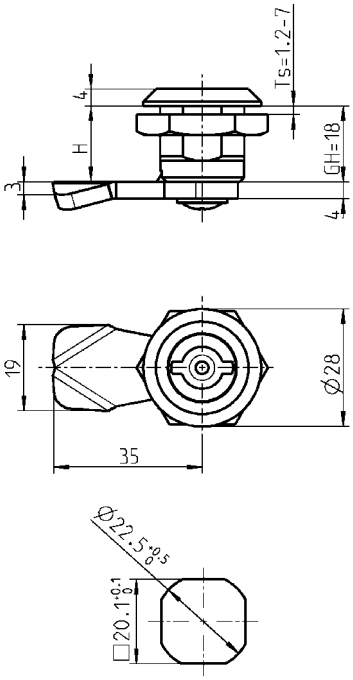
– Housing 1B-760, 1B-680, 1B-820
– Quarter turn with stepped cam 1B-240
– Cam 1C-120 up to 1C-220
– Accessories from 1C-220
– Insert with wing knob 1B-720
– Escutcheon 3B-140
– Door lock prominent 12A-220
– Key 12B-120

Plastic quarter turn

PROGRAM 1000

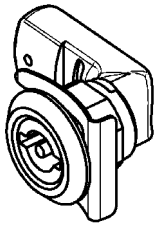
Nut fixing

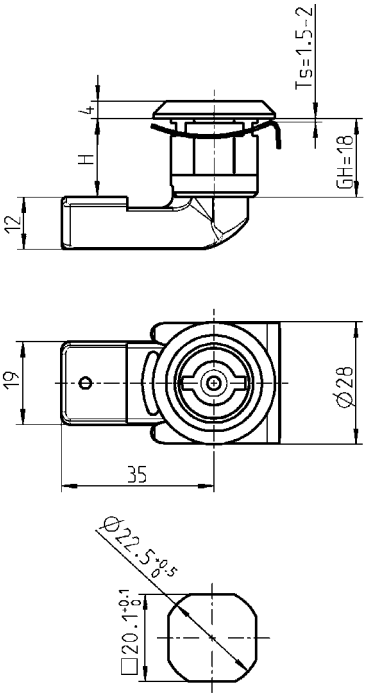




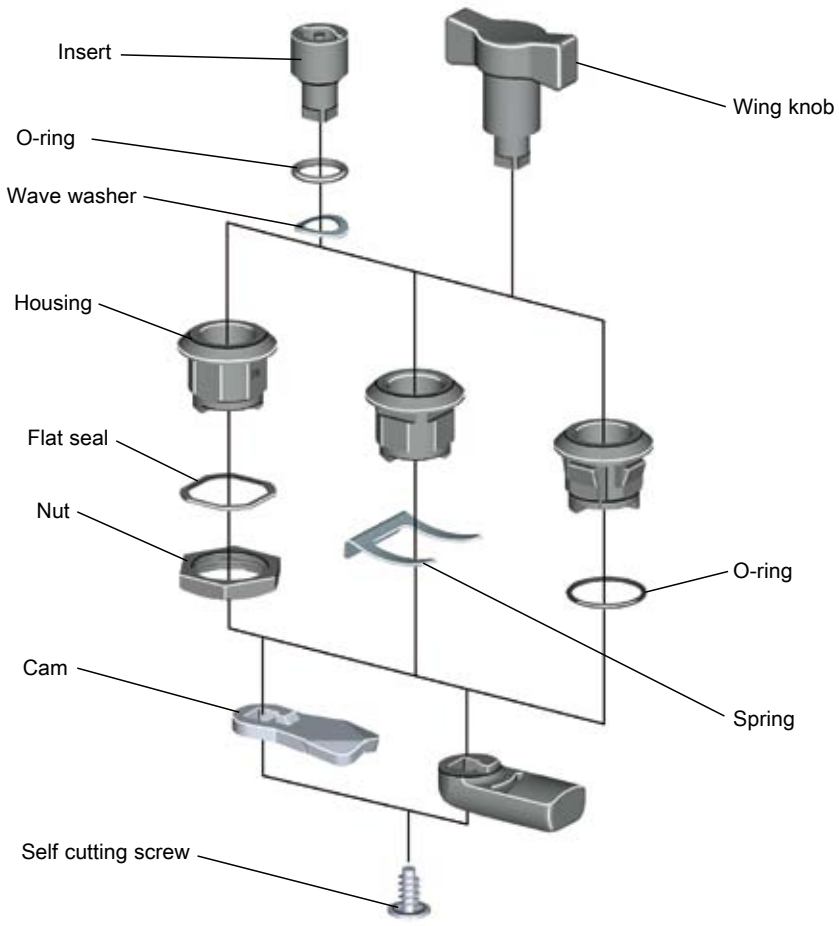
Cut out

Spring fixing



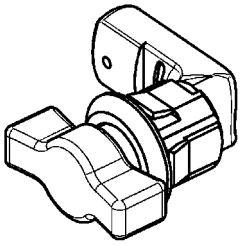


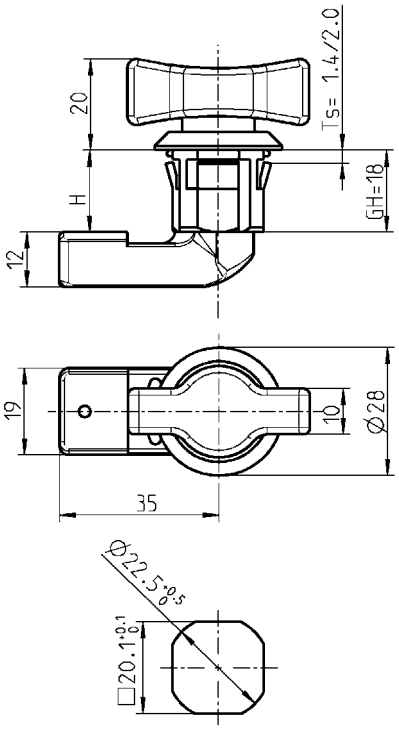
Cut out





Clip-in fixing



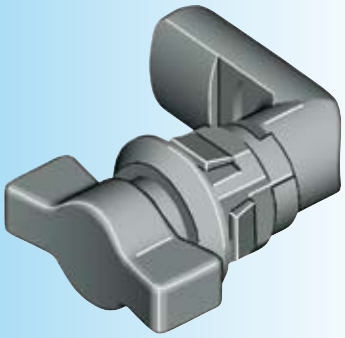


Cut out

Housing polyamide GF black with nut or spring fixing AISI 301		Housing polyamide black with O-ring	
*nut fixing	Spring fixing	Ts	clip-in
1000-U675	1000-U709	1,4**	1000-U695
		2,0	1000-U696
Insert polyamide black, wave washer and self cutting screw m.s. zinc plated			
Square 7		1000-U666	
Square 8		1000-U676	
Triangular 8		1000-U667	
Double bit 3		1000-U677	
Double bit 5		1000-U678	
Slot 2 x 4		1000-U679	
Eastern Europe Ø 13		1000-U680	
Wing knob (IP 50), IP 65 upon request		1000-U711	
Cam on choice			
H		**m.s. zinc plate, t=4**	**polyamide black**
18		1000-5046	1000-386-18
20		1000-5161	1000-386-20
22		1000-5119	1000-386-22
24		-	1000-386-24
28		1000-5164	1000-386-28
30		-	1000-386-30
IP 65 (see housing) with:			
Flat seal (nut fixing only)			1000-23
O-ring			1000-24







Note:
Quarter turn assembling 1B-105

Further parts see page
- Insert with wing knob 1B-720
- Handle (only nut fixing) 1C-320
- Dust cap (only nut fixing) 1C-320
- Key 12B-120

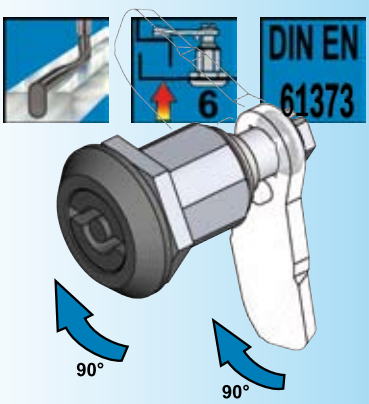
EMKA®

Beschlagteile

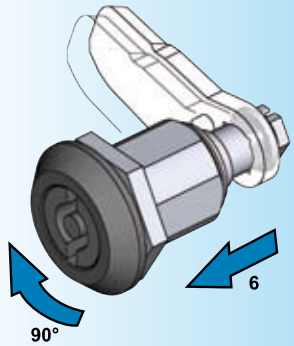
Compression latch

PROGRAM 1000

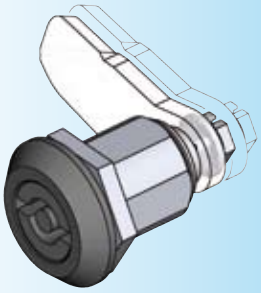
RL IP 65 DIN EN 61373



Open condition
The first 90° of rotation of the insert also turns the cam 90°.



Closed position
The second 90° of rotation of the insert draws the cam toward the door 6 mm axially.

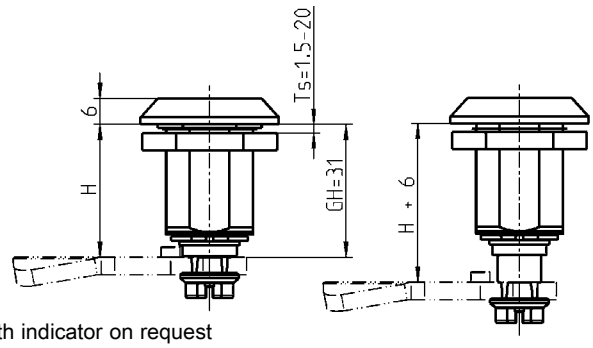


Compressed condition

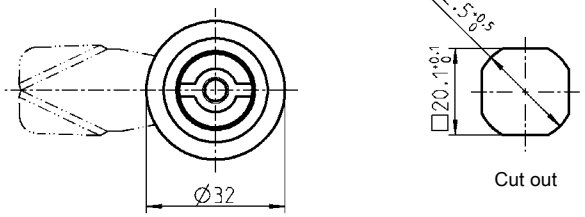
Unlock:
Reversed rotation

Vibration proof

The compression latch is of a vibration-proof design.
Depending on the installation location and operational conditions specific checks are necessary and/or supplementary measures of fastening required.



Housing with indicator on request



Cut out

Housing and insert black powder coated zinc alloy, nut and screw zinc plated m.s.		
	black powder coated	chrome plated
Square 6	on request	on request
Square 7	1000-U796	on request
Square 8	1000-U755	on request
Square 8mm with arrow	1000-U798	on request
Square 8mm with M6 thread and wing knob	1000-U800	on request
Triangular 6,5 CNOMO	on request	on request
Triangular 7	1000-U795	on request
Triangular 8	1000-U783	on request
Triangular 9	on request	on request
Triangular 10	on request	on request
Double bit 3	1000-U749	on request
Double bit 5	1000-U748	on request
Male hexagon 11mm with indicator	on request	on request
Hexagon female 8mm	1000-U807	on request
Hexagon female 8mm with pin	1000-U805	on request
Hexagon female 10mm	1000-U809	on request
Square female 6mm	on request	on request
Square female 7	on request	on request
Square female 8	1000-U811	on request
Daimler Benz	on request	on request
Slot 1,2 x 3	1000-U750	on request
Slot 2 x 4	1000-U777	on request
Slot 2 x 4 coinproof	on request	on request
Crown type	on request	on request
Railway	1000-U831	1000-U831-IA
Tube with indicator	1000-U833	on request

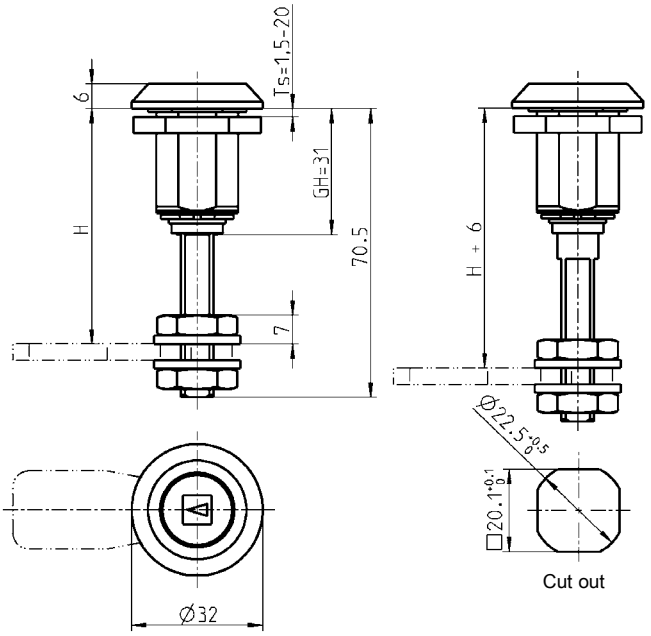
Further parts see page
– Stainless version 1B-235
– Cam (GH = 31) from 1C-130
– Accessories from 1C-320
– Escutcheon 3B-140
– Key 12B-120

Compression latch with adjustable cam

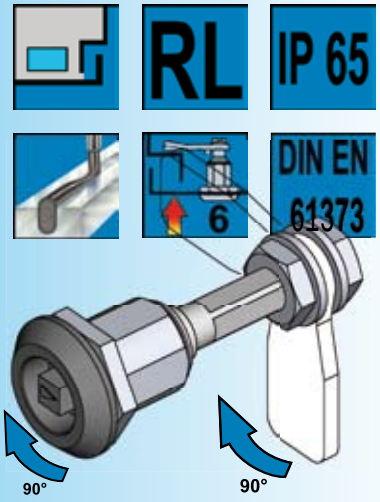
PROGRAM 1000

Vibration proof

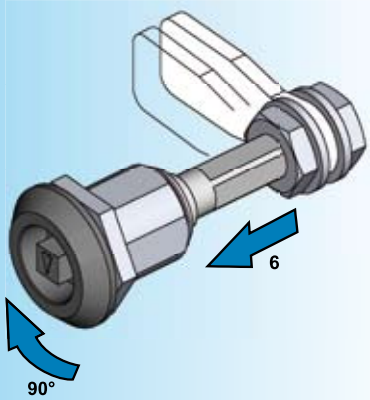
The compression latch is of a vibration-proof design.
Depending on the installation location and operational conditions specific checks are necessary and/or supplementary measures of fastening required.



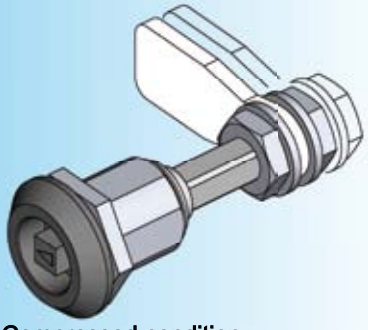
Housing and insert black powder coated zinc alloy, nut and screw zinc plated m.s.		
	black powder coated	chrome plated
Square 6	on request	on request
Square 7	1000-U786	on request
Square 8	1000-U797	on request
Square 8mm with arrow	1000-U799	on request
Square 8mm with M6 thread and wing knob	1000-U801	on request
Triangular 6,5 CNOMO	on request	on request
Triangular 7	1000-U794	on request
Triangular 8	1000-U802	on request
Triangular 9	on request	on request
Triangular 10	on request	on request
Double bit 3	1000-U803	on request
Double bit 5	1000-U804	on request
Male hexagon 11mm with indicator	1000-U816	on request
Hexagon female 8mm	1000-U808	on request
Hexagon female 8mm with pin	1000-U806	on request
Hexagon female 10mm	1000-U810	on request
Square female 6mm	on request	on request
Square female 7	on request	on request
Square female 8	1000-U812	on request
Daimler Benz	on request	on request
Slot 1,2 x 3	1000-U814	on request
Slot 2 x 4	1000-U813	on request
Slot 2 x 4 coinproof	on request	on request
Crown type	on request	on request
Railway	1000-U832	1000-U832-IA
Tube with indicator	1000-U830	on request



Open condition
The first 90° of rotation of the insert also turns the cam 90°.



Closed position
The second 90° of rotation of the insert draws the cam toward the door 6 mm axially.



Compressed condition

Unlock:
Reversed rotation

Stainless steel version on request.

Note:
Only cams without a stopper can be used.

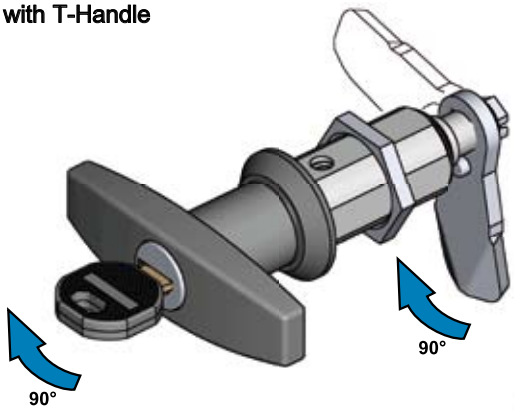
Further parts see page

– Cam 1C-137
– Accessories from 1C-320
– Escutcheon 3B-140
– Key 12B-120

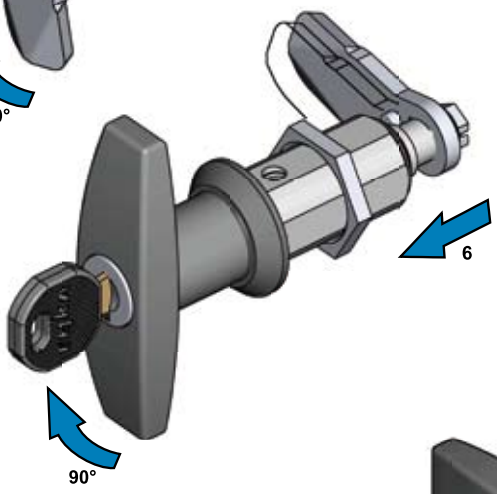
Compression latch with handle

PROGRAM 1000

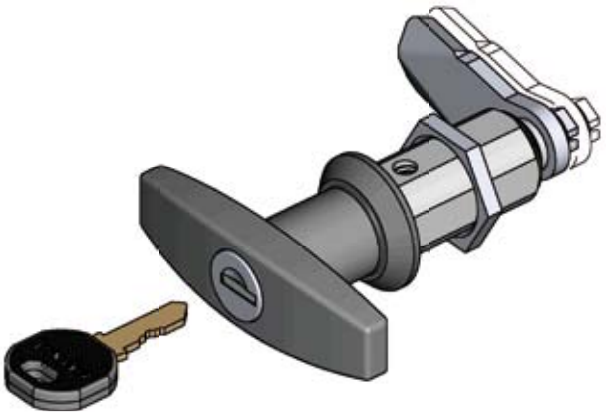
Attention:
Compression latch with T-Handle



Open condition
The first 90° of rotation of the handle turns the cam 90°.



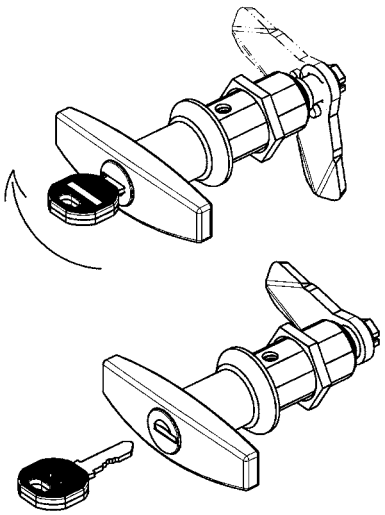
Closed position
If you continue with rotating the insert by another 90° the cam is moved by 6 mm in an axial direction.

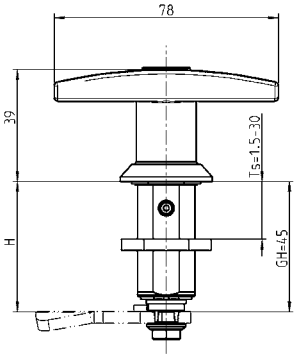


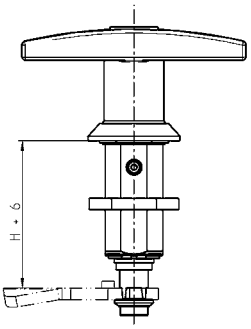
Compressed condition
Key removable

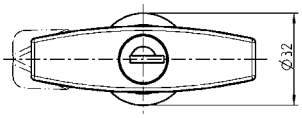
Unlock:
Reversed rotation

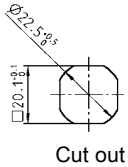
Compression latch with T-Handle





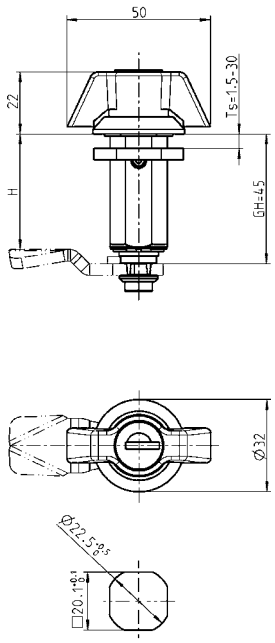






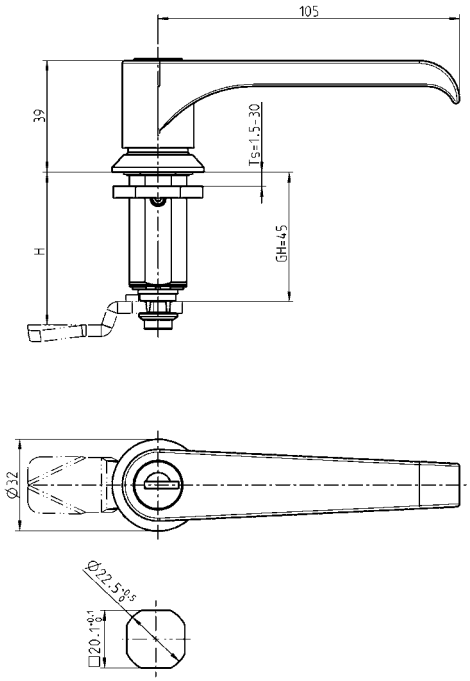
Cut out

Compression latch with wing knob



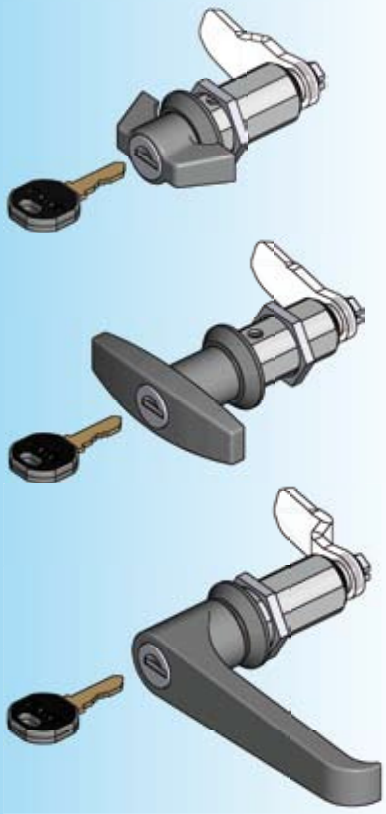
Cut out

Compression latch with L-Handle



Cut out





Shake and vibration proof

The compression latch is of a vibration-proof design.
This depends on the installation location and operational conditions.
Specific checks are necessary and/or supplementary measures of fastening may be required.

Stainless steel version on request.

Handle and housing zinc die, black powder coated, cylinder zinc die, with stainless steel cap and shutter, nut and screw zinc plated m.s. with spring and seal
Each cylinder has one silver steel key with polyamide grip.
Key removable in both positions.

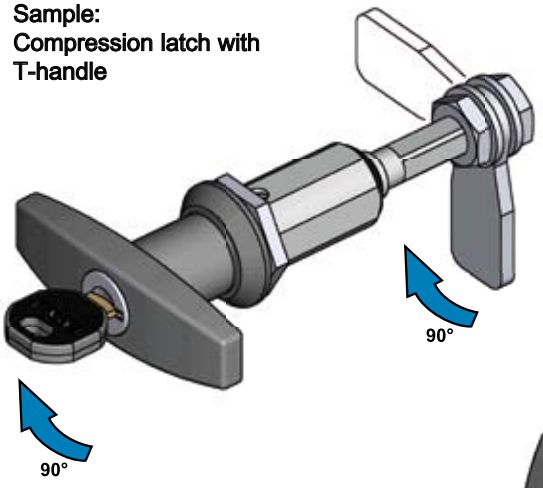
	non locking	keyed EK 333	keyed different
Wing knob	1000-U826	1000-U827	1000-U828
T-Handle	1000-U820	1000-U821	1000-U822
L-Handle	1000-U823	1000-U824	1000-U825

Further parts see page
– Cam 1C-130
– Dust cap for T-Handle 1C-340
– Spare key 12B-140

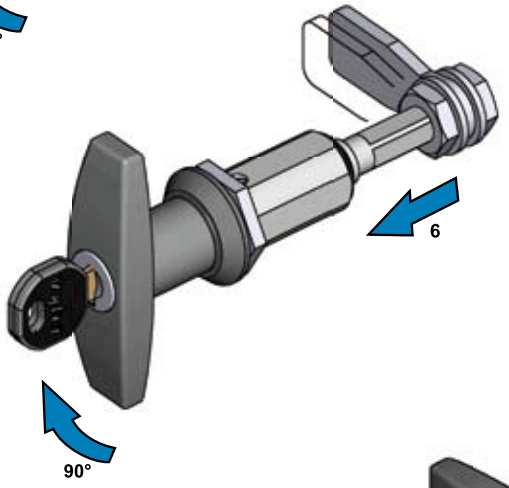
Compression latch with handle and adjustable cam

PROGRAM 1000

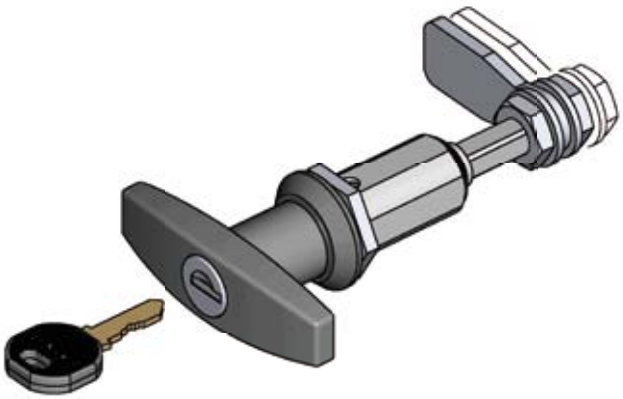
Sample:
Compression latch with T-handle



Open condition
The cam is rotated as soon as you turn the handle by 90°



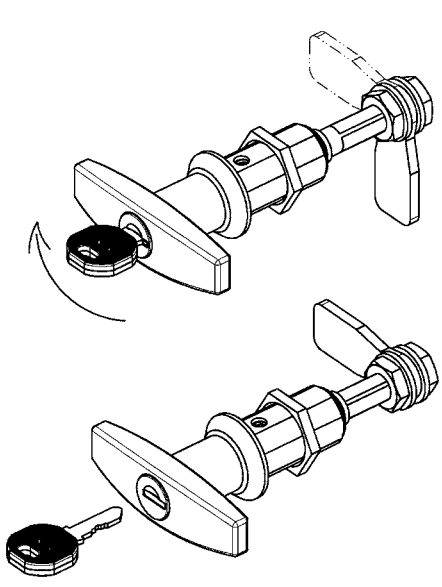
Closed position
If you continue with rotating the insert by another 90° the cam is moved by 6 mm in an axial direction.

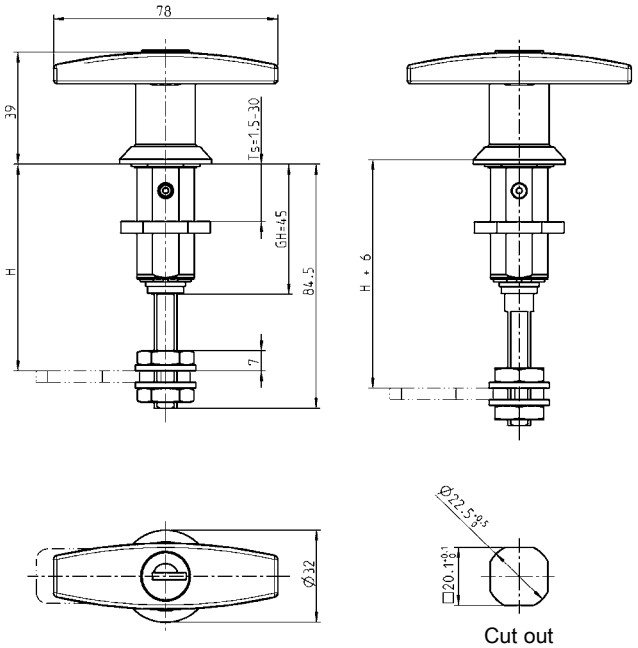


Compressed condition
Key removable

Unlock:
Reversed rotation

Compression latch with T-Handle





Cut out



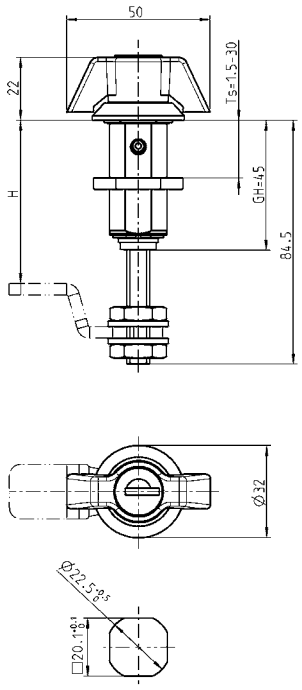






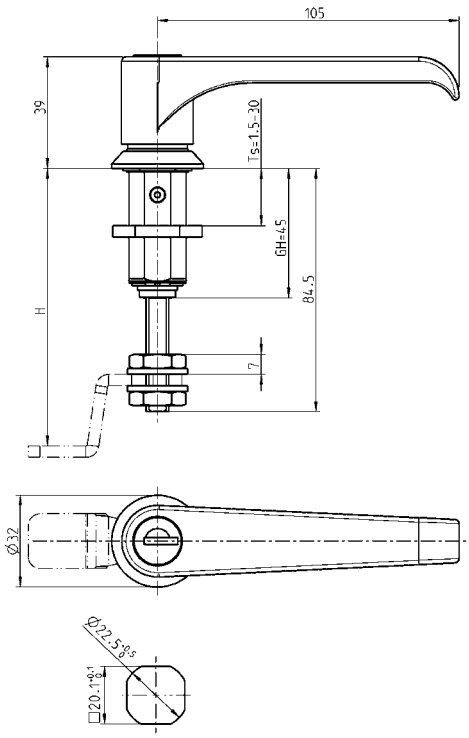


Compression latch with wing knob

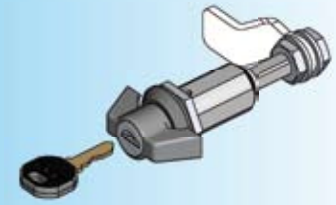


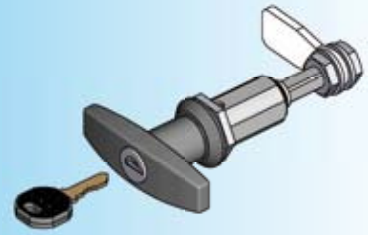
Cut out

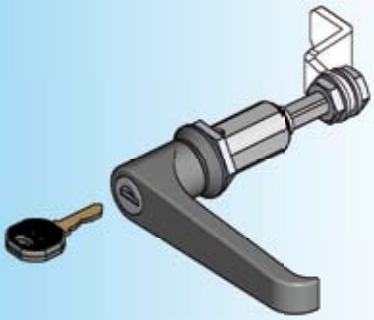
Compression latch with L-Handle



Cut out







Shake and vibration proof

This Compression latch is of a vibration-proof design.
This depends on the installation location and operational conditions.
Specific checks are necessary and/or supplementary measures of fastening required.

Stainless steel version on request.

Handle and housing zinc die black powder coated,
cylinder zinc die with stainless steel cap and shutter,
nut and screw zinc plated with spring and seal
Each cylinder has one silver steel key with polyamide GF grip black.
Key removable in both positions

	non locking	keyed EK 333	keyed different
Wing knob	1000-U790	1000-U789	1000-U791
T-Handle	1000-U785	1000-U784	1000-U792
L-Handle	1000-U788	1000-U787	1000-U793

Note:
Only cams without a stopper can be used

Further parts see page
– Cam 1C-137
– Dust cap for T-Handle 1C-340
– Spare key 12B-140

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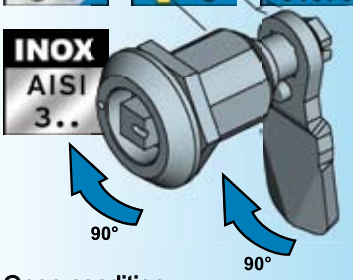
Beschlagteile

Compression latch stainless steel

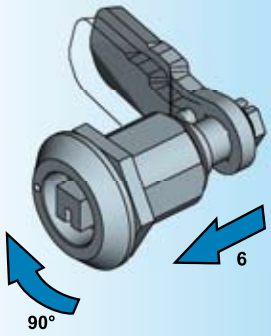
PROGRAM 1000

RL IP 65 DIN EN 61373

INOX AISI 3..



Open condition
The first 90° of rotation of the insert also turns the cam 90°.



Closed position
The second 90° of rotation of the insert draws the cam toward the door 6 mm axially.



Compressed condition

Unlock:
Reversed rotation

Note:
Further inserts on request

Further parts see page

– Accessories	1C-320
– Escutcheon	3B-140
– Key	12B-120

EDELSTAHL Rostfrei STAINLESS STEEL

vibration proof

The compression latch is of a vibration-proof design.
Depending on the installation location and operational conditions specific checks are necessary and/or supplementary measures of fastening required.

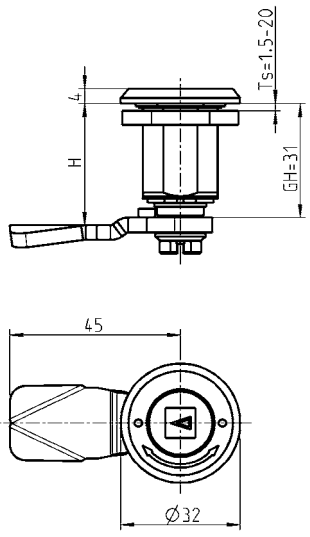


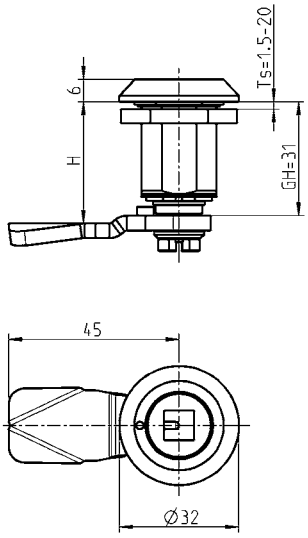
with arrow and red - green mark

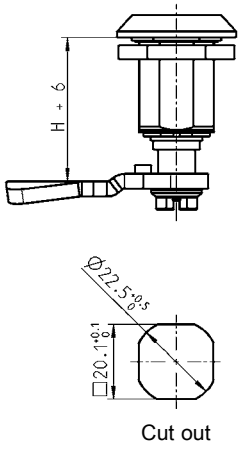


with mark

Note:
The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)







Cut out

Compression latch with arrow and red - green mark AISI 316, with spring and flat seal	
Square 8 right-hand version	1000-U834-REPH
Square 8 left-hand version	1000-U834-LIPH
Compression latch AISI 316, with spring and gasket	
Square 8 with mark	1000-U755-01
Double bit 3	1000-U749-01
Double bit 5	1000-U748-01
Slot 2 x 4	1000-U777-01
Cam AISI 304	
H	**GH = 31**
19	1000-221
23	1000-223
27	1000-225
31	1000-227
33	1000-228
35	1000-179
37	1000-229
39	1000-230
41	1000-180

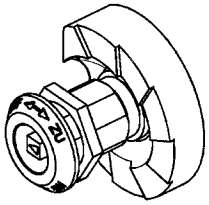
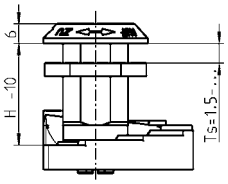
Quarter turn with stepped cam

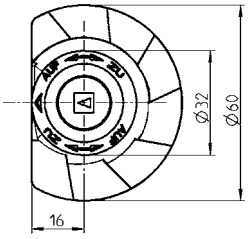
PROGRAM 1000



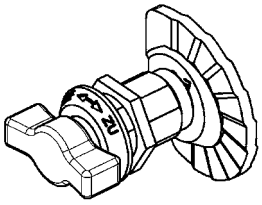
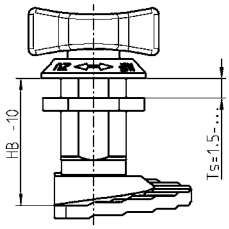


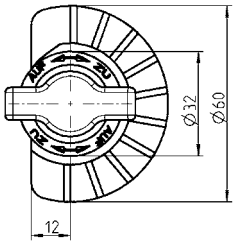

Version A

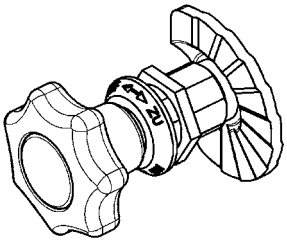
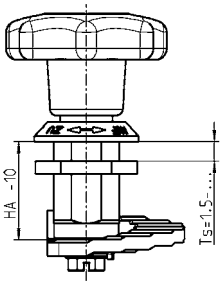


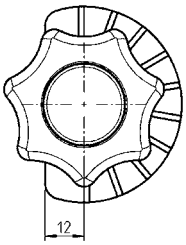
Version B

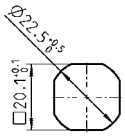





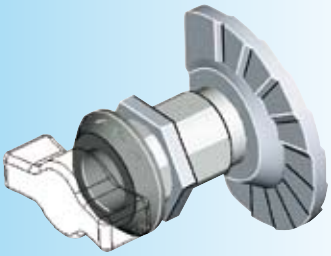
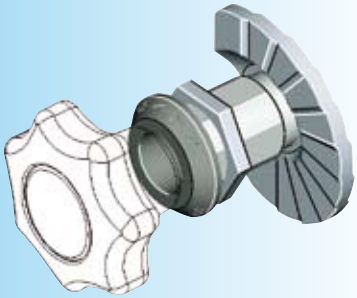
Version B





Cut out

Housing with 270° stop

Stepped cam			
Version A		zinc plated m.s., no stop	1000-127
		zinc plated m.s., with stop	1000-244
Version B		zinc alloy, with stop	1000-387

Housing zinc die with screw and nut, m.s. zinc plated

Ts	H	HA	HB	Zinc alloy housing		with zinc adapter	Spacer, zinc alloy
1.5 –				chrome plated	black powder coated	(Flush mounted insert)	for 5 mm tolerance and screw zinc plated
8	19	19	27	1000-U157	1000-U231	no need	1000-U539
20	31	31	39	1000-U158	1000-U232	1000-U164	1000-U540
26	37	37	45	1000-U247	1000-U250	1000-U198	1000-U541
30	41	41	49	1000-U159	1000-U233	1000-U165	1000-U542
40	51	51	59	1000-U160	1000-U234	1000-U166	1000-U543

Advice:
Quarter turn assembling 1B-105

Further parts see page
– Insert 1B-140
– IP 65 or IP 66 1B-140
– Accessories from 1C-320
– Escutcheon 3B-140
– Key 12B-120

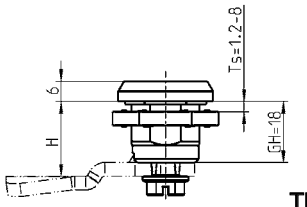
EMKA®

Beschlagteile

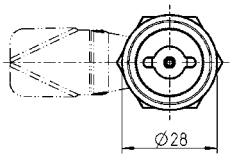
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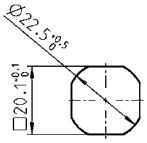
Safety quarter turn

PROGRAM 1000



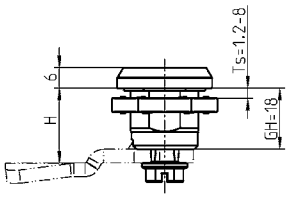
Right-hand version

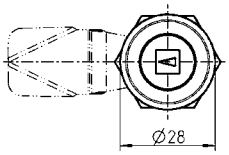




Cut out

This lock is of a vibration-proof design. This depends on the installation location and operational conditions. Specific checks are necessary and/or supplementary measures of fastening may be required.





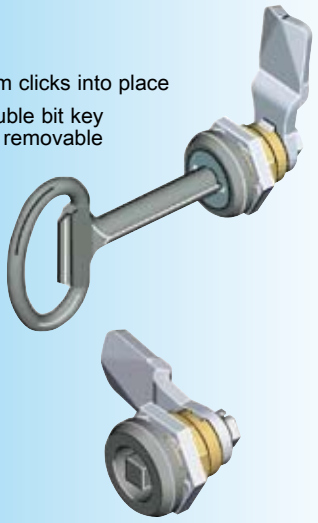
EDELSTAHL Rostfrei STAINLESS STEEL

R L RL IP 65

INOX AISI 3..



By pressing down the insert, the cam can be turned



Cam clicks into place

Double bit key not removable

Housing brass, insert zinc die, nut and earthnut m.s. zinc plated, with seal	black powder coated		chrome plated	
	without shutter	with shutter	without shutter	with shutter
Double bit 3 mm RH version	1000-U252-01	1000-U687	1000-U202-01	1000-U691
Double bit 3 mm LH version	1000-U254-01	1000-U688	1000-U204-01	1000-U692
Double bit 5 mm RH version	1000-U256-01	1000-U689	1000-U206-01	1000-U693
Double bit 5 mm LH version	1000-U258-01	1000-U690	1000-U208-01	1000-U694
Square 6 mm RH/LH version	1000-U260-01	–	1000-U210-01	–
Square 7 mm RH/LH version	1000-U262-01	–	1000-U212-01	–
Square 8 mm RH/LH version	1000-U264-01	–	1000-U214-01	–
Triangular 7 mm RH/LH version	1000-U266-01	–	1000-U216-01	–
Triangular 8 mm RH/LH version	1000-U268-01	–	1000-U218-01	–
Slot 2x4 mm RH/LH version	1000-U652-01	–	1000-U655-01	–
Eastern Europe Ø 13 halfround, 90° and 180° stop, RH/LH version	1000-U713-01	–	–	–
Railroad, insert AISI 303 RH/LH	1000-U732-01	–	1000-U733-01	–

Housing with insert, screw and nut AISI 303, with seal	non Dust cap	with Dust cap
Double bit 3 mm RH version	1000-U714-01	1000-U725
Double bit 3 mm LH version	1000-U715-01	1000-U726
Double bit 5 mm RH version	1000-U716-01	1000-U727
Double bit 5 mm LH version	1000-U717-01	1000-U728
Square 6 mm RH/LH version	1000-U718-01	–
Square 7 mm RH/LH version	1000-U719-01	–
Square 8 mm RH/LH version	1000-U720-01	–
Triangular 7 mm RH/LH version	1000-U721-01	–
Triangular 8 mm RH/LH version	1000-U722-01	–
Slot 2x4 mm RH/LH version	1000-U723-01	–
Eastern Europe Ø 13 halfround, 90° and 180° stop, RH/LH version	1000-U724-01	–
Railroad RH/LH	1000-U710-01	–
Ø 8,6 with slot RH/LH	1000-U712-01	–

Safety quarter turn
Tamper and vibration-proof. With the double bit version the key is captive in the open position.

Hole for the double bit to DIN 43668.
Sealed about water and dust like IP 65 DIN 40050.

Available with pre-assembled cam.

Further parts see page

– Cam 1C-120, 1C-140
– Accessories 1C-320, 1C-360, 1C-380
– Escutcheon 3B-140
– Key 12B-120

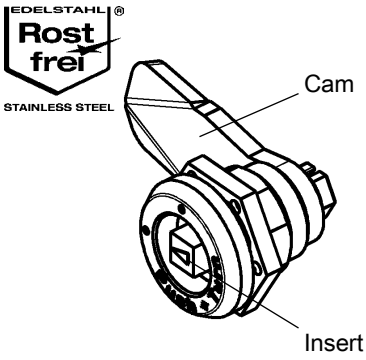
EMKA®

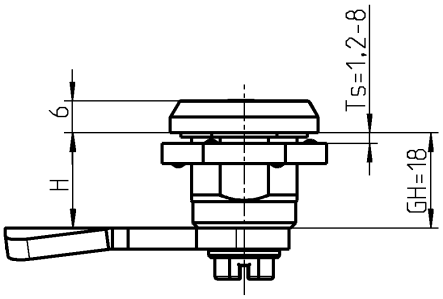
Beschlagteile

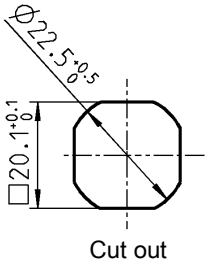
Safety quarter turn without mask

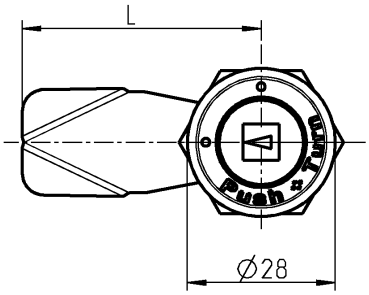
PROGRAM 1000













Press down insert turn quarter turn!

Housing and insert material on choice, mask zinc die raw, screw and earthnut m.s. zinc plated and/or screw and nut stainless steel, with spring and seal		
	zinc die chrome pl.	**AISI 316**
Square 6	on request	1000-U817-01PH
Square 7	1000-U817-02IA	on request
Square 8	1000-U817-03IA	1000-U817-03PH
Square 8 slotted	on request	on request
Triangular 6,5 CNOMO	on request	on request
Triangular 7	1000-U817-04IA	on request
Triangular 8	1000-U817-05IA	1000-U817-05PH
Triangular 9	on request	on request
Triangular 10	on request	1000-U817-07PH
Double bit 3	on request	on request
Double bit 5	on request	on request
Hexagon female 8mm	on request	1000-U817-24PH
Hexagon female 10mm	on request	on request
Square female 6mm	on request	on request
Square female 7	on request	on request
Square female 8	on request	on request
Daimler Benz	on request	on request
Slot 1,2 x 3	1000-U817-16IA	on request
Slot 2 x 4	1000-U817-17IA	on request
Slot 2 x 4 coinproof	on request	on request
Crown type	on request	on request
Eastern Europe Ø 13	on request	on request
Hexagon female 8mm with pin	on request	on request
Railway version	1000-U817-23IA	on request
Cam (without stopper)		
	m.s. zinc plated	**AISI 304**
H = 8 ; L = 45	1000-392	on request
H = 18 ; L = 45	1000-203	on request
Cam with different H- and L dimensions on request		

Safety quarter turn:
This lock is of a vibration proof design. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

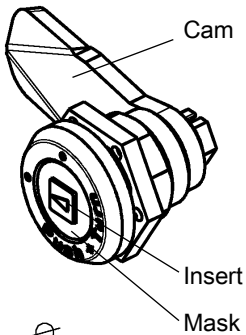
Note:
Only cams without a stopper can be used!
The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)

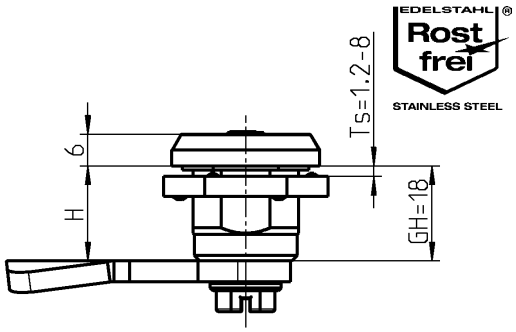
Further parts see page

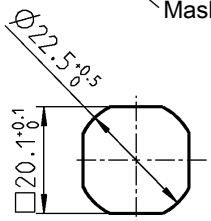
– Accessories 1C-320 up to 1C-380
– Key 12B-120

Safety quarter turn with mask

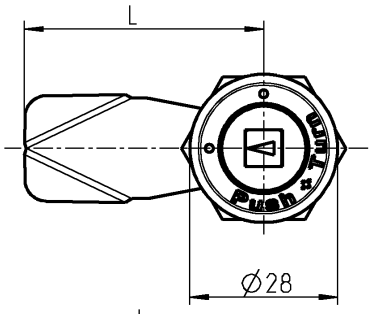
PROGRAM 1000

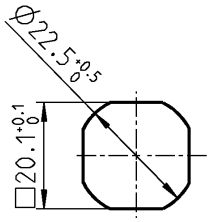




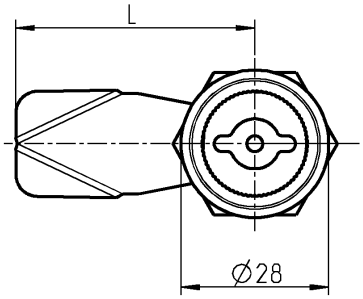


Cut out





Cut out







Insert square or triangular



Insert double bit

Press down insert and turn!

Housing and insert material on choice, mask zinc die raw, screw and earthnut m.s. zinc plated and/or scew and nut stainless steel, with spring and seal		
	zinc die chrome pl.	AISI 316
Square female 6mm	on request	on request
Square female 7mm	1000-U818-02IA	on request
Square female 8mm	1000-U818-03IA	on request
Square female 8mm slotted	on request	on request
Triangular 6,5 CNOMO	on request	on request
Triangular 7	1000-U818-04IA	on request
Triangular 8	1000-U818-05IA	on request
Triangular 9	on request	on request
Triangular 10	on request	on request
Housing and insert material on choice, mask zinc die raw, screw and earthnut m.s. zinc plated and/or screw and nut stainless steel, with spring and seal		
	zinc die chrome pl.	AISI 316
Double bit 3 mm RH version	1000-U819-01IA	on request
Double bit 3 mm LH version	1000-U819-03IA	on request
Double bit 5 mm RH version	1000-U819-02IA	on request
Double bit 5 mm LH version	1000-U819-04IA	on request
Cam (without stopper)		
	m.s. zinc plated	AISI 304
H = 8 ; L = 45	1000-392	on request
H = 18 ; L = 45	1000-203	on request
Cams with different H- and L dimensions on request		

Safety quarter turn:
This lock is of a vibration proof design. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

Version double bit: Key only removable in locked position

Keyhole for double bit according to key DIN 43668.

Note:
Only cams without a stopper can be used!
The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)

Further parts see page
– Accessories up to 1C-320 1C-380
– Key 12B-120

EMKA®
Beschlagteile

Safety quarter turn
PROGRAM 1000

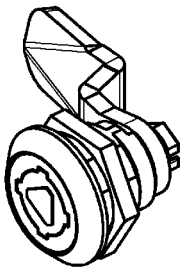


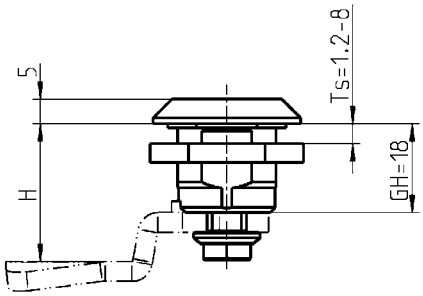


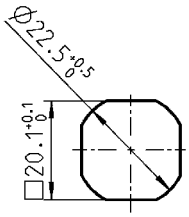




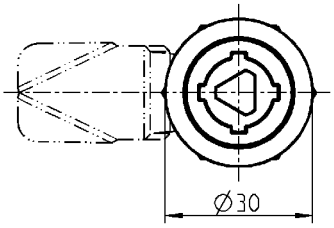

press mask inwards







Cut out



Safety quarter turn:
This lock is of a vibration proof design. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)

Further parts see page

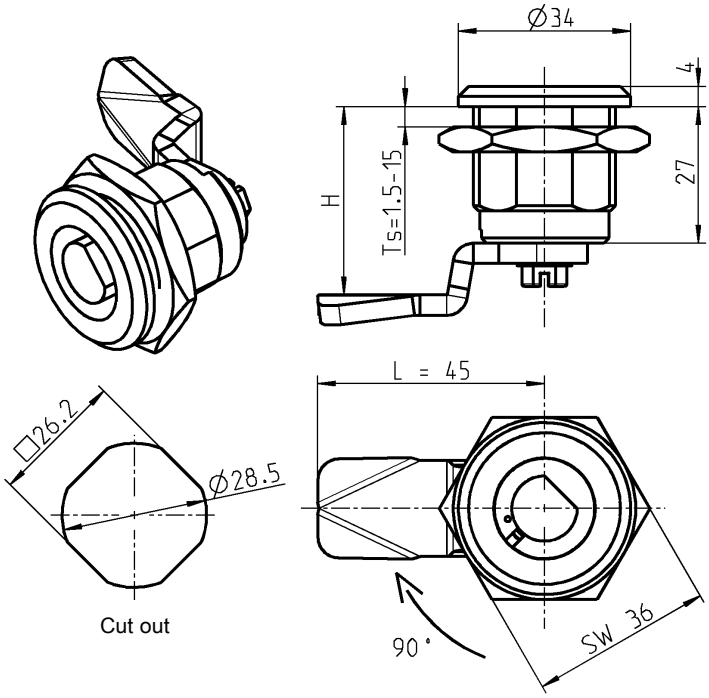
– Cam (GH=18)	1C-120 1C-140 1C-160
– Accessories	1C-320 up to 1C-380
– Key	12B-120

Quarter turn zinc die black powder coated, screw and earthnut m.s. zinc plated, with seal
Key removable in both positions.

Triangular 8 mm RH/LH version	1000-U835

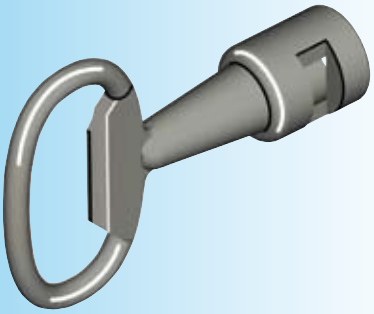
Safety quarter turn Eastern Europe half-round

PROGRAM 1000



Cut out





Attention:
Cut-out differs from standard

The spring loaded insert in the direction of arrow (type: Eastern Europe – Ø 13) can only be operated with a special key. Key only removable in the closed position.

Housing zinc die or PA and insert zinc die zinc plated, nut and fixing material m.s. zinc plated			
Zinc die black powder coated			1000-U746-01
Polyamide black			1000-U747
Key zinc die, raw			
			1004-45
Cam m.s. zinc plated			
Dim.H in mm	**Part-No.:**	**Dim.H in mm**	**Part-No.:**
13	1000-112	29	1000-16
15	1000-22	31	1000-15
17	1000-113	33	1000-14
19	1000-21	34	1000-27
22	1000-20	35	1000-50
23	1000-19	37	1000-13
25	1000-18	39	1000-28
27	1000-17		
Further cams on request			

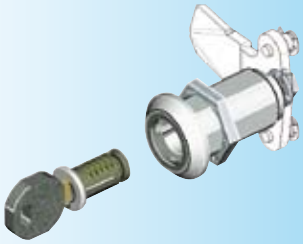
Application area:
Electric power companies in Eastern Europe

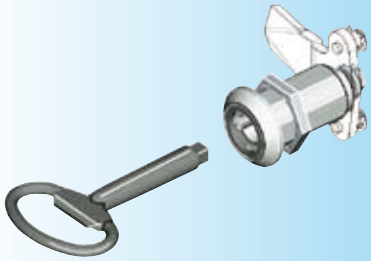
EMKA®
Beschlagteile

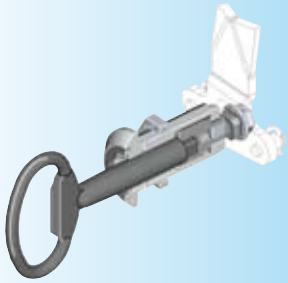
Safety quarter turn
PROGRAM 1000

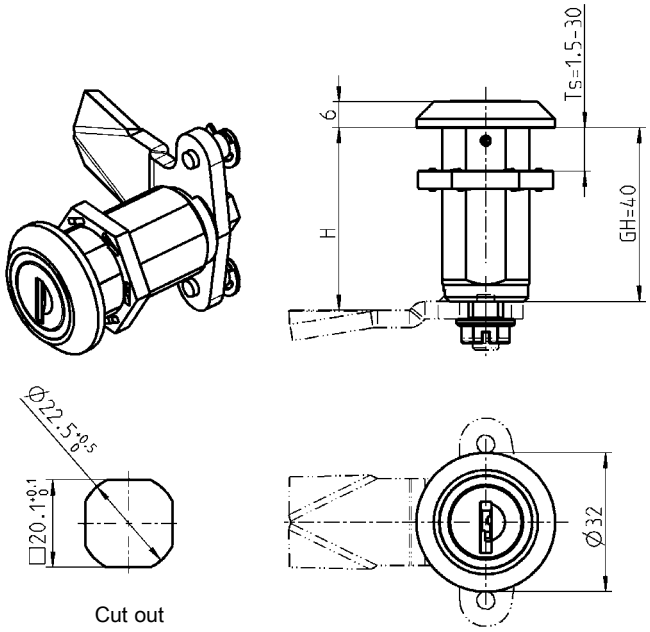
RL IP 65 IP 66











Cut out

Safety quarter turn:
Removable cylinder, covered square insert, enables higher torque with square key.

Combination of quarter turn and cylinder for 1- and 3-point latch system.

Note:
IP 65 and IP 66 only available factory pre-assembled

Further parts see page

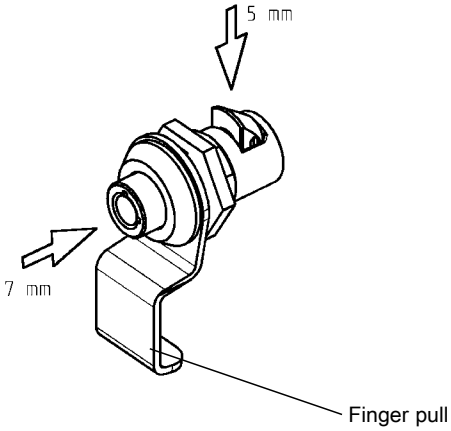
– Cam (GH = 40)		1C-120
	up to	1C-220
– Accessories	from	1C-220
– Escutcheon		3B-140
– Key		12B-120

Safety quarter turn housing zinc die black powder coated, cylinder with stainless steel cap and shutter, insert square female 6mm zinc die chrome plated, earthnut and fixing material m.s. zinc plated Each cylinder has one silver steel key with polyamide GF grip black.	
keyed EK 333	1048-U22
keyed different	1048-U23
Key square 6 mm male	1004-29-01
IP 65 with:	
Flat seal	1000-23
O-ring	1000-24
IP 66 with:	
Seal-set	1000-U769

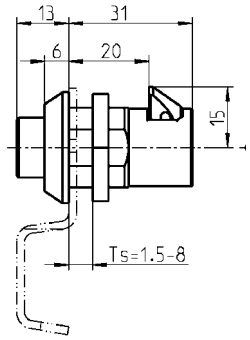
Radial pin-push cylinder

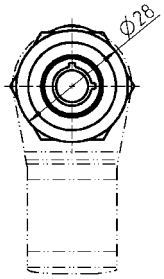
PROGRAM 1000

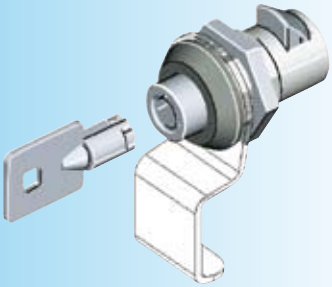
RL IP 40

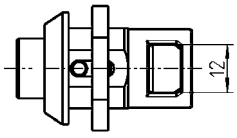


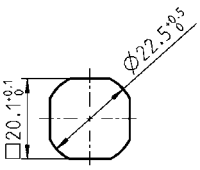












Cut out

Radial pin-push cylinder:
By turning the key 90° the push button is unlocked and can be operated.
The key is removable in both positions.

Application area:
Computer housings for German Railroad Company

Attention:
In case of using a finger pull the dimension will be changed from 20 to 18 mm and TSmax will be 6 mm

Housing zinc die, pin cylinder brass/zinc die nickel plated, locking bolt zinc die plated, nut m.s. zinc plated		
	chrome plated	black powder coated
keyed 20001	1000-U742	1000-U751
keyed different	1000-U743	1000-U752

Further parts see page
– Finger pull 1C-320
– Escutcheon 3B-140

EMKA®

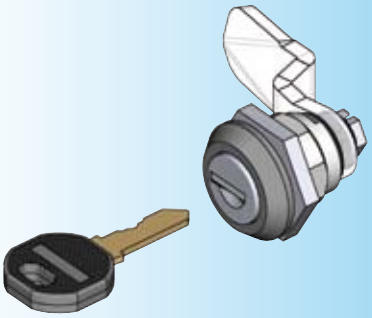
Beschlagteile

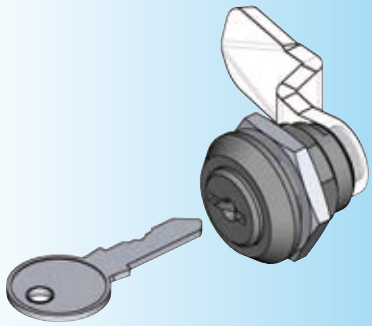
Quarter turn with cylinder

PROGRAM 1000

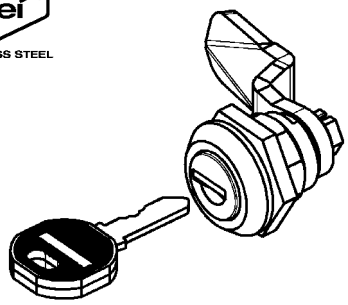


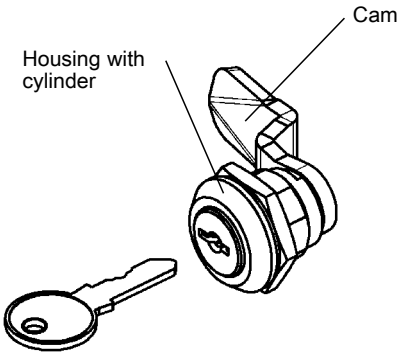


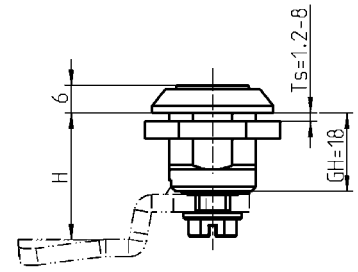


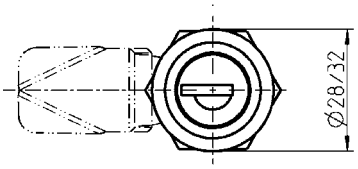


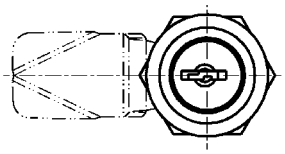


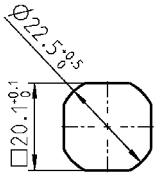












Cut out

Cylinder-turnbuckle housing zinc die-cast zinc surface with your choice of round cylinder die-cast zinc, stainless steel dust cover and slide, screw and nut ms. Each cylinder has one silver steel key with polyamide GF grip black.				
	Nut chrome plated	Earthnut chrome plated	Nut black powder coated	Earthnut black powder coated
D = 28 mm				
keyed EK 333	1048-U6	1048-U8	1048-U14	1048-U16
keyed different	1048-U7	1048-U9	1048-U15	1048-U17
D = 32 mm				
keyed EK 333	1048-U1	1048-U3	1048-U10	1048-U12
keyed different	1048-U2	1048-U4	1048-U11	1048-U13
Quarter turn with cylinder AISI 316, round cylinder, screw and serrated lock washer stainless steel. Each cylinder has one silver steel key with polyamide GF grip black.				
keyed EK 333 ; D = 28 mm			1048-U6-PH	–
keyed different ; D = 28 mm			on request	–
Quarter turn with cylinder, housing with cylinder polyamide GF black. Screw m.s. zinc plated, nut m.s. zinc plated or polyamide black. Each cylinder has one m.s. nickel plated key.				
	Nut Nut zinc die c.p.	Earthnut Nut zinc die c.p.	Nut Nut polyamide black	Earthnut Nut polyamide black
D = 28 mm				
keyed EK 333	1048-U18	–	1048-U27	–
keyed different	1048-U19	–	1048-U28	–
D = 32 mm				
keyed EK 333	1048-U20	–	1048-U25	–
keyed different	1048-U21	–	1048-U26	–

Key removable in both positions

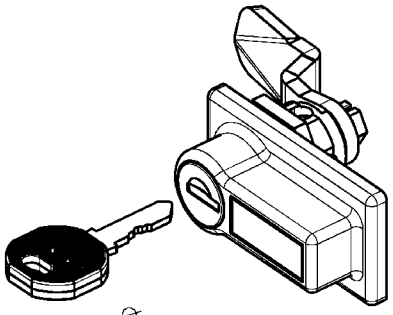
Further parts see page

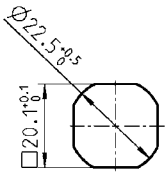
– Cam	1C-120 1C-140
(without 2-point rod control)	1C-160
– Slam cam	1C-180
– Accessories	1C-320 1C-360 1C-380
– Escutcheon	3B-140
– Spare key	12B-140

Panel handle quarter turn, T-handle quarter turn, small

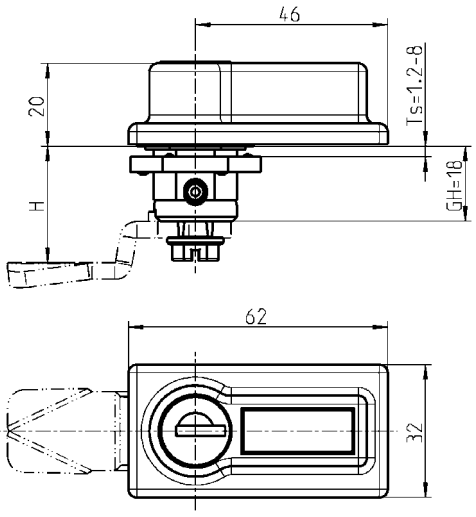
PROGRAM 1000

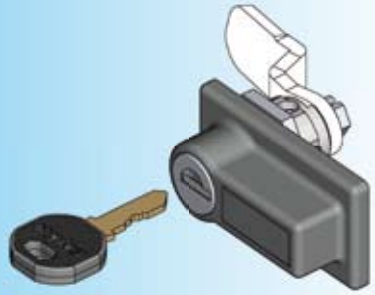
Cylinder locking handle (quarterturn)





Cut out

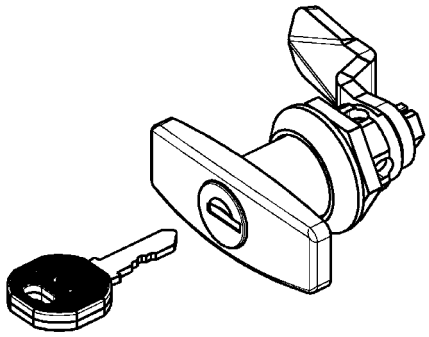


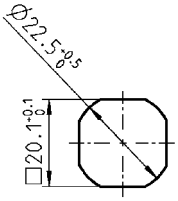


Handle polyamide GF black, housing black powder coated zinc die, round cylinder zinc die with stainless steel cap and shutter, nut, earthnut and fixing material ms zinc die, with seal.
Each cylinder has one silver steel key with polyamid grip.
Key removable in both positions.

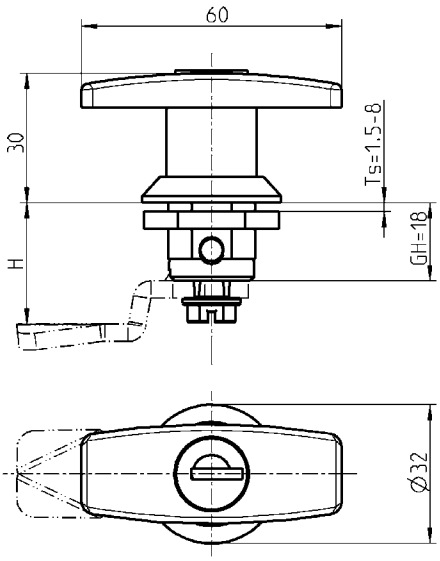
	Nut	Earthnut
keyed EK 333	–	1000-U844
keyed different	–	1000-U845

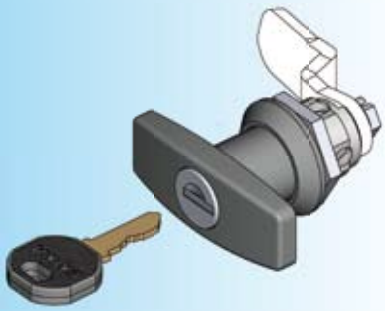
T-Handle, compact





Cut out





*** IP 65**

Handle polyamide black, housing black powder coated zinc die, round cylinder zinc die with stainless steel cap and shutter, nut, earthnut and fixing material ms zinc round cylinder, with seal.
Each cylinder has one silver steel key with polyamide GF grip black.
Key removable in both positions.

	Nut	Earthnut
non locking	1000-U775	1000-U775-01
* Keyed EK 333	1000-U773	1000-U773-01
* Keyed different	1000-U774	1000-U774-01

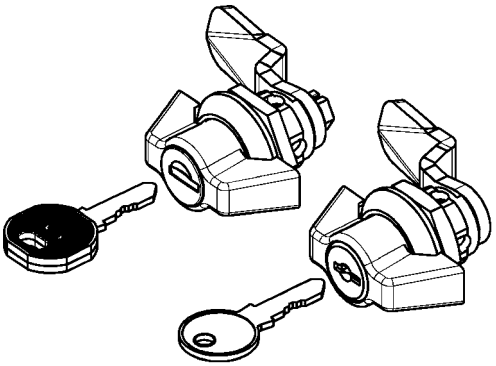
Further parts see page

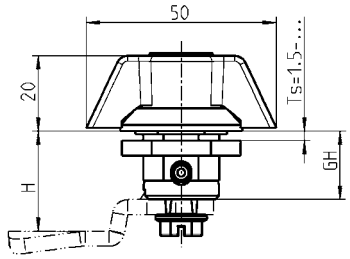
– Cam 1C-120
up to 1C-220
– Accessories from 1C-340
– Escutcheon 3B-140
– Spare key 12B-140

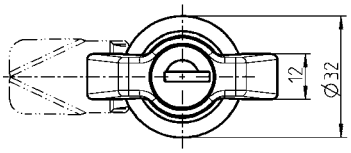
Wing knob

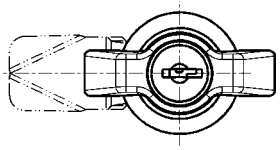
PROGRAM 1000

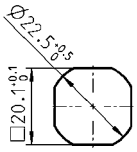
EDELSTAHL Rost frei STAINLESS STEEL











Cut out

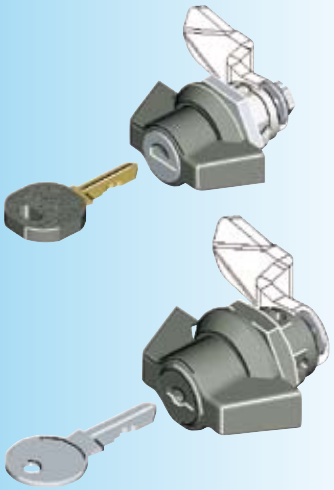
Cylinder zinc die
Each cylinder has one silver steel key with polyamide GF grip black.
Screw and nut m.s. zinc plated.
Key removable in both positions.

Cylinder polyamide
Each cylinder has one m.s. nickel plated key.
Screw and nut m.s. zinc plated.
Key removable in both positions.

Wing knob IP 65	Handle, housing zinc die chrome pl., with sealing nut, earthnut and screw m.s. zinc plated cylinder zinc die with stainless steel cap and shutter		
GH 18 mm / Ts 1,5 - 8 mm	non locking	keyed EK 333	Keyed different
with nut	1000-U149	1000-U150	1000-U151
with earthnut	1000-U152	1000-U153	1000-U154
30 mm / 20 mm			
with nut	1000-U269	1000-U271	1000-U273
with earthnut	1000-U270	1000-U272	1000-U274
40 mm / 30 mm			
with nut	1000-U275	1000-U277	1000-U279
with earthnut	1000-U276	1000-U278	1000-U280
50 mm / 40 mm			
with nut	1000-U281	1000-U283	1000-U285
with earthnut	1000-U282	1000-U284	1000-U286
60 mm / 50 mm			
with nut	1000-U633	1000-U635	1000-U637
with earthnut	1000-U634	1000-U636	1000-U638



Wing knob IP 65		Handle and housing zinc die black powder coated, earthnut and screw m.s. zinc plated, with seal cylinder zinc die,with stainless steel cap and shutter		
GH 18 mm	Ts 1,5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U241	1000-U237	1000-U239
with earthnut		1000-U242	1000-U238	1000-U240
30 mm	**20 mm**			
with nut		1000-U403	1000-U405	1000-U407
with earthnut		1000-U404	1000-U406	1000-U408
40 mm	**30 mm**			
with nut		1000-U409	1000-U411	1000-U413
with earthnut		1000-U410	1000-U412	1000-U414
50 mm	**40 mm**			
with nut		1000-U415	1000-U417	1000-U419
with earthnut		1000-U416	1000-U418	1000-U420
60 mm	**50 mm**			
with nut		1000-U639	1000-U641	1000-U643
with earthnut		1000-U640	1000-U642	1000-U644



Wing knob IP 65		Handle, housing, nut and screw AISI 316, with seal		
GH 18 mm	Ts 1,5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U665	1000-U150-PH	1000-U151-PH

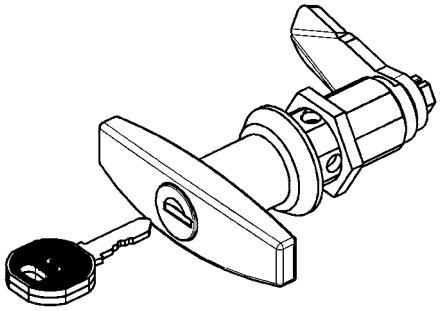
Wing knob IP 65		Handle polyamide black, housing zinc die black p.c. ,earthnut and screw m.s. zinc plated, with seal, cylinder zinc die with stainless steel cap and shutter			Handle, housing, Cylinder and nut polyamide black (IP 40)	
GH 18 mm	Ts 1,5 - 8 mm	non locking	keyed EK 333	keyed different	keyed EK 333	keyed different
with nut		1000-U343	1000-U345	1000-U347	1000-U754	1000-U753
with earthnut		1000-U344	1000-U346	1000-U348	–	–
30 mm	**20 mm**					
with nut		1000-U512	1000-U514	1000-U516	–	–
with earthnut		1000-U513	1000-U515	1000-U517	–	–
40 mm	**30 mm**					
with nut		1000-U518	1000-U520	1000-U522	–	
with earthnut		1000-U519	1000-U521	1000-U523	–	–
50 mm	**40 mm**					
with nut		1000-U524	1000-U526	1000-U528	–	–
with earthnut		1000-U525	1000-U527	1000-U529	–	–
60 mm	**50 mm**					
with nut		1000-U645	1000-U647	1000-U649	–	–
with earthnut		1000-U646	1000-U648	1000-U650	–	–

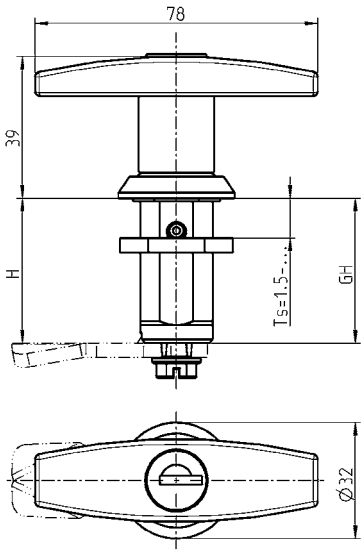
Further parts see page
– Cam 1C-120 up to 1C-220
– Accessories from 1C-340
– Escutcheon 3B-140
– Spare key 12B-140

T-Handle

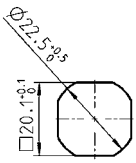
PROGRAM 1000

EDELSTAHL Rostfrei STAINLESS STEEL





Each cylinder has one silver steel key with polyamide GF grip black, screw and nut m.s. zinc plated. Key removable in both positions.



Cut out

T-Handle,
suitable for KABA-cylinder type 1036 for standard locking or master key system on request.

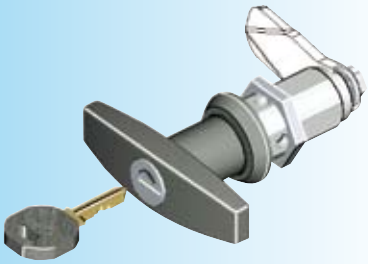
T-Handle IP 65	Handle and housing zinc die chrome plated, nut, earthnut and screw m.s. zinc plated, with seal cylinder zinc die with stainless steel cap and shutter		
GH 18 mm / Ts 1,5 - 8 mm	non locking	keyed EK 333	Keyed different
with nut	1000-U9	1000-U10	1000-U11
with earthnut	1000-U60	1000-U61	1000-U62
30 mm / 20 mm			
with nut	1000-U116	1000-U118	1000-U120
with earthnut	1000-U117	1000-U119	1000-U121
40 mm / 30 mm			
with nut	1000-U122	1000-U124	1000-U126
with earthnut	1000-U123	1000-U125	1000-U127
50 mm / 40 mm			
with nut	1000-U128	1000-U130	1000-U132
with earthnut	1000-U129	1000-U131	1000-U133
60 mm / 50 mm			
with nut	1000-U594	1000-U596	1000-U598
with earthnut	1000-U595	1000-U597	1000-U599



T-Handle IP 65		Handle and housing zinc die black powder coated, nut, earthnut and screw m.s. zinc plated, with seal, cylinder zinc die with stainless steel cap and shutter		
GH 18 mm	Ts 1,5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U337	1000-U338	1000-U339
with earthnut		1000-U340	1000-U341	1000-U342
30 mm	**20 mm**			
with nut		1000-U372	1000-U374	1000-U376
with earthnut		1000-U373	1000-U375	1000-U377
40 mm	**30 mm**			
with nut		1000-U378	1000-U380	1000-U382
with earthnut		1000-U379	1000-U381	1000-U383
50 mm	**40 mm**			
with nut		1000-U384	1000-U386	1000-U388
with earthnut		1000-U385	1000-U387	1000-U389
60 mm	**50 mm**			
with nut		1000-U600	1000-U602	1000-U604
with earthnut		1000-U601	1000-U603	1000-U605

T-Handle IP 65		Handle, housing, nut and screw AISI 316, with seal		
GH 18 mm	Ts 1,5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U664	1000-U10-PH	1000-U11-PH

T-Handle IP 65		Handle polyamide black Housing zinc die black powder coated, nut, earthnut and screw m.s. zinc plated, with seal Cylinder zinc die with stainless steel cap and shutter		
GH 18 mm	Ts 1,5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U546	1000-U548	1000-U550
with earthnut		1000-U547	1000-U549	1000-U551
30 mm	**20 mm**			
with nut		1000-U552	1000-U554	1000-U556
with earthnut		1000-U553	1000-U555	1000-U557
40 mm	**30 mm**			
with nut		1000-U558	1000-U560	1000-U562
with earthnut		1000-U559	1000-U561	1000-U563
50 mm	**40 mm**			
with nut		1000-U564	1000-U566	1000-U568
with earthnut		1000-U565	1000-U567	1000-U569
60 mm	**50 mm**			
with nut		1000-U606	1000-U608	1000-U610
with earthnut		1000-U607	1000-U609	1000-U611

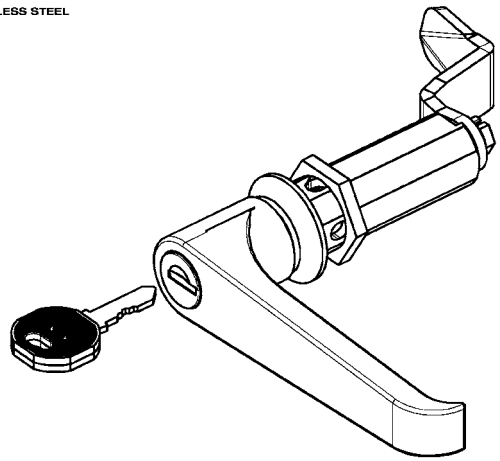


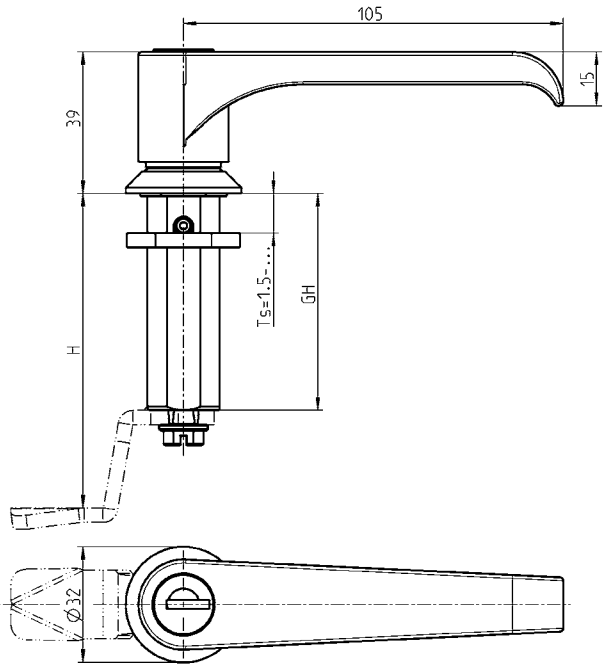
Further parts see page
– Cam 1C-120 up to 1C-220
– Accessories from 1C-340
– Escutcheon 3B-140
– Spare key 12B-140

L-Handle

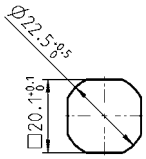
PROGRAM 1000

EDELSTAHL Rostfrei STAINLESS STEEL





Each cylinder has one silver steel key with polyamide GF grip black, screw and nut m.s.zinc pl., key removable in both positions.

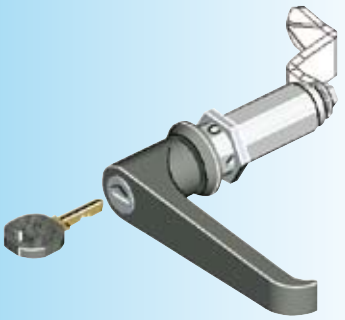


Cut out

L-Handle,
suitable for KABA-cylinder type 1036 for standard locking or master key system on request.

L-Handle **IP 65**	**Handle and housing zinc die chrome plated, nut, earthnut and screw m.s. zinc plated, with seal, cylinder zinc die, with stainless steel cap and shutter**		
GH 18 mm / Ts 1,5 - 8 mm	**non locking**	**keyed EK 333**	**keyed different**
with nut	1000-U14	1000-U15	1000-U16
with earthnut	1000-U57	1000-U58	1000-U59
30 mm / 20 mm			
with nut	1000-U98	1000-U100	1000-U102
with earthnut	1000-U99	1000-U101	1000-U103
40 mm / 30 mm			
with nut	1000-U104	1000-U106	1000-U108
with earthnut	1000-U105	1000-U107	1000-U109
50 mm / 40 mm			
with nut	1000-U110	1000-U112	1000-U114
with earthnut	1000-U111	1000-U113	1000-U115
60 mm / 50 mm			
with nut	1000-U612	1000-U614	1000-U616
with earthnut	1000-U613	1000-U615	1000-U617

L-Handle IP 65		Handle, housing zinc die black powder coated, nut, earthnut and scew m.s. zinc plated, with seal, cylinder zinc die with stainless steal cap and shutter.		
GH 18 mm	Ts 1,5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U353	1000-U390	1000-U391
with earthnut		1000-U392	1000-U393	1000-U394
30 mm	20 mm			
with nut		1000-U354	1000-U356	1000-U358
with earthnut		1000-U355	1000-U357	1000-U359
40 mm	30 mm			
with nut		1000-U360	1000-U362	1000-U364
with earthnut		1000-U361	1000-U363	1000-U365
50 mm	40 mm			
with nut		1000-U366	1000-U368	1000-U370
with earthnut		1000-U367	1000-U369	1000-U371
60 mm	50 mm			
with nut		1000-U618	1000-U620	1000-U622
with earthnut		1000-U619	1000-U621	1000-U623



L-Handle IP 65		Handle, housing, nut and screw AISI 316, with seal		
GH 18 mm	Ts 1,5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U658	1000-U15-PH	1000-U16-PH

L-Handle IP 65		Handle polyamide black Housing zinc die black powder coated, nut, earthnut and screw m.s. zinc plated, with seal, cylinder zinc die, with stainless steel cap and shutter		
GH 18 mm	Ts 1,5 - 8 mm	non locking	keyed EK 333	keyed different
with nut		1000-U570	1000-U572	1000-U574
with earthnut		1000-U571	1000-U573	1000-U575
30 mm	20 mm			
with nut		1000-U576	1000-U578	1000-U580
with earthnut		1000-U577	1000-U579	1000-U581
40 mm	30 mm			
with nut		1000-U582	1000-U584	1000-U586
with earthnut		1000-U583	1000-U585	1000-U587
50 mm	40 mm			
with nut		1000-U588	1000-U590	1000-U592
with earthnut		1000-U589	1000-U591	1000-U593
60 mm	50 mm			
with nut		1000-U624	1000-U626	1000-U628
with earthnut		1000-U625	1000-U627	1000-U629

Further parts see page

– Cam 1C-120 up to 1C-220
– Accessories from 1C-340
– Escutcheon 3B-140
– Spare key 12B-140

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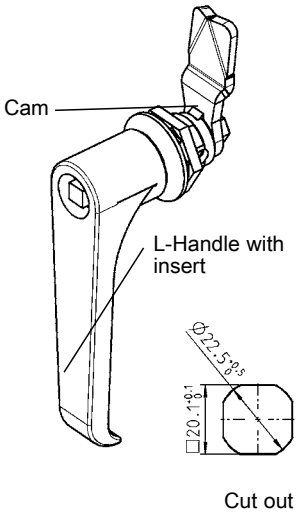
Beschlagteile

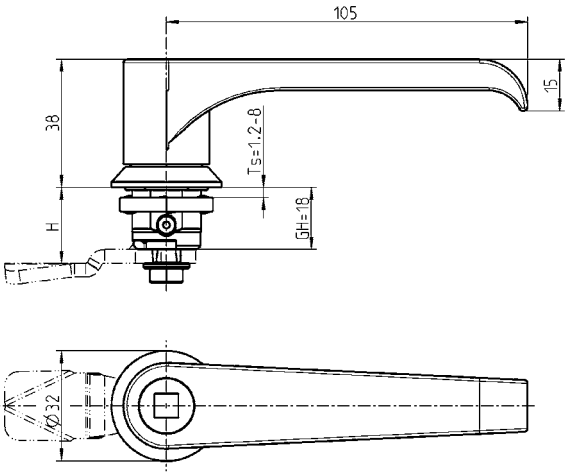
L-Handle

PROGRAM 1000

RL IP 65





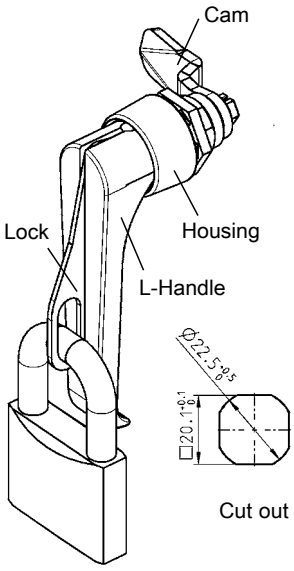


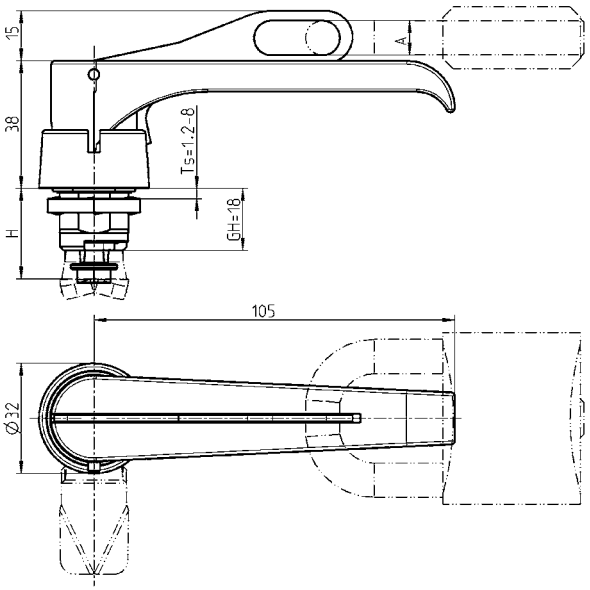
IP 65 on request!

Insert is spring loaded (2 hand operation)

L-Handle with housing and insert zinc die, screw and earthnut m.s. zinc plated, with seal					
	chrome pl.	black powder coated		chrome pl.	black powder coated
Square 7	1000-U89	1000-U395	Double bit 5	1000-U94	1000-U400
Square 8	1000-U90	1000-U396	Daimler Benz	1000-U95	1000-U401
Triangular 6,5 CNOMO	1000-U423	1000-U422	Slot 2 x 4	1000-U434	1000-U435
			Slot 1,2 x 3	1000-U656	1000-U657
Triangular 7	1000-U91	1000-U397	Eastern Europe half round Ø 13	1000-U659	1000-U660
Triangular 8	1000-U92	1000-U398			
Double bit 3	1000-U93	1000-U399			







IP 65

Attention:
L-Handle is locked when a padlock is fitted.

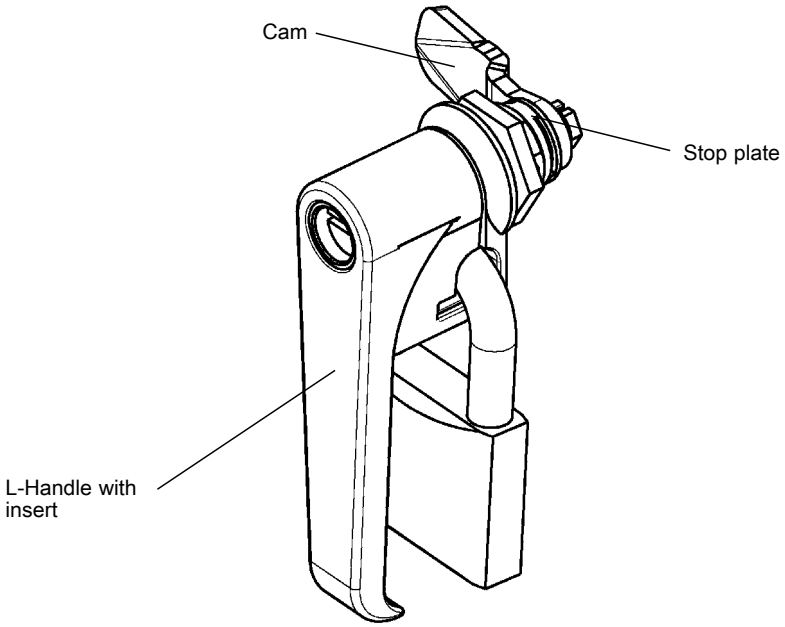
Further parts see page

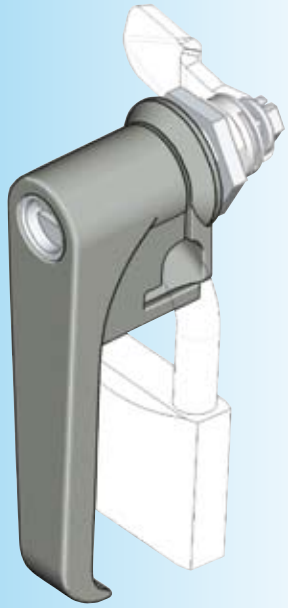
– Cam		1C-120
	up to	1C-220
– Accessories	from	1C-340
– Escutcheon		3B-140
– Key		12B-120

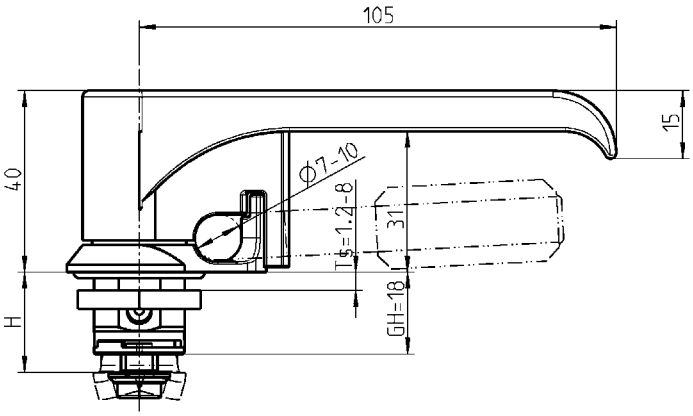
L-Handle with housing zinc die, lock and spring stainless steel, screw and earthnut m.s. zinc plated, with seal					
	chrome pl.	black powder coated		chrome pl.	black powder coated
Dim. A = 7	1000-U501	1000-U502	Dim. A = 10	1000-U189	1000-U402

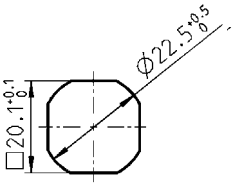
L-Handle for padlock

PROGRAM 1000

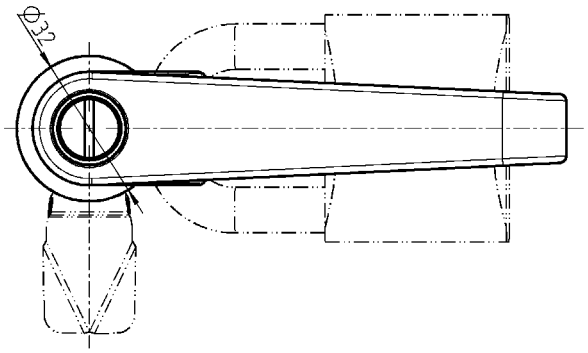








Cut out



Insert is spring loaded (2 hand operation)

Attention:
L-Handle is locked when a padlock is fitted.

Further parts see page
– Cams witout stopper on request.
– Accessories 1C-360
1C-380

Further inserts
(see catalogue page 1B-620)
on request!

L-Handle with housing zinc die bl. p.c., stop plate zinc die for version RH and LH, screw and nut m.s. zinc plated, with seal	
with insert 2x4 coinproof zinc die chrome plated	1000-U770
without insert	1000-U771

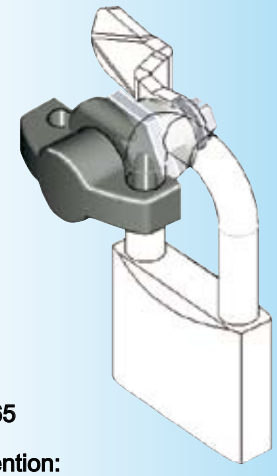
EMKA®

Beschlagteile

Quarter turn for padlock

PROGRAM 1000





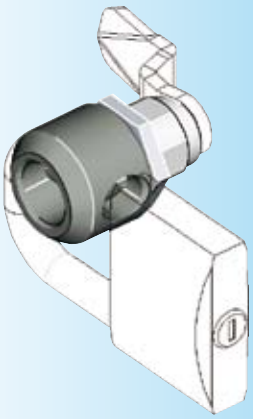
IP 65

Attention:
Wing knob is locked, when padlock is fitted with the appropriate bow diameter.

For bow diameter Ø 4,5 to 10

Further parts see page

– Cam		1C-120
	up to	1C-220
– Accessories	from	1C-340

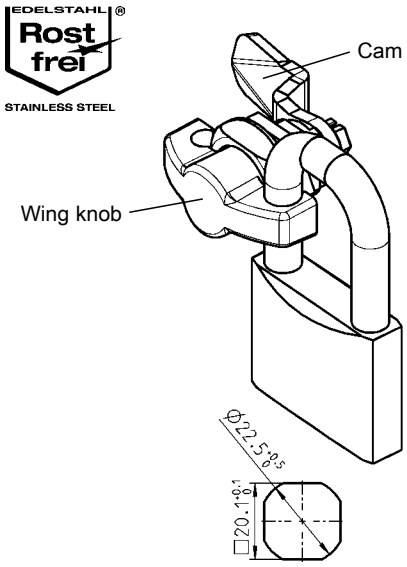


For bow diameter ≤ Ø 13

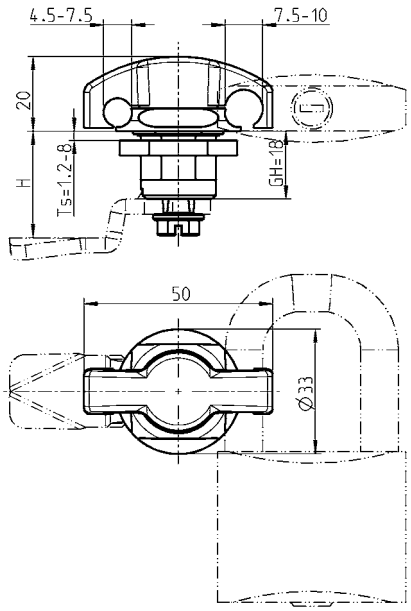
Note:
Quarter turn assembling 1B-105

Further parts see page

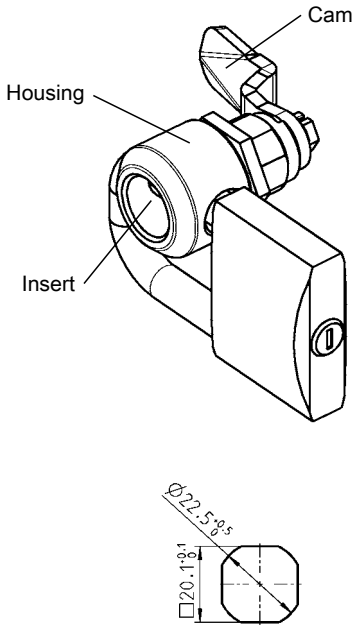
– Insert		1B-140
– IP 65 or IP 66		1B-140
– Cam		1C-130
– Accessories	from	1C-340
– Escutcheon		3B-140
– Key		12B-120



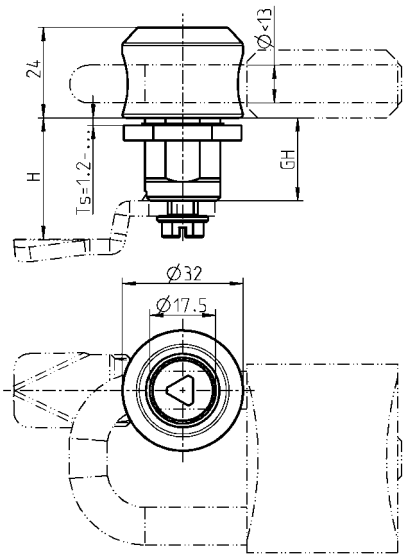
Cut out



Wing knob and housing zinc die black p.c., nut and screw m.s. zinc plated, with seal	
	1000-U429-01
Wing knob quarter turn AISI 316, with seal	
	1000-U429-01PH



Cut out



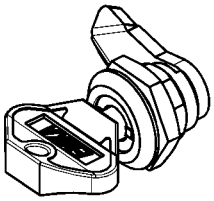
Housing zinc die black p.c., nut and earthnut m.s. zinc plated			
GH	**TS<**	**Nut**	**Earthnut**
22	13	1000-U436	1000-U438
32	23	1000-U437	1000-U439
42	33	1000-U734	1000-U735

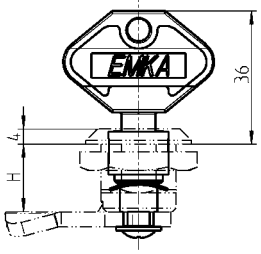
Clip-in key, wing knob for insert

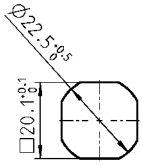
PROGRAM 1000

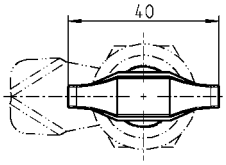
RL

Clip-in key



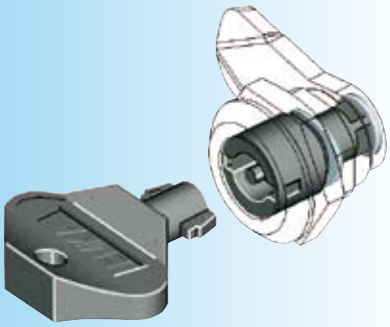


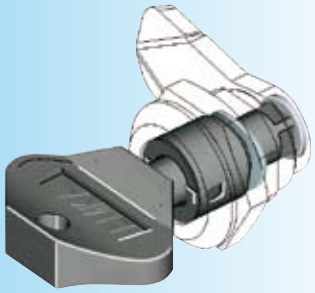




Cut out

The key clips permanently into the insert.
The key cannot be removed without disassembling or destroying it.



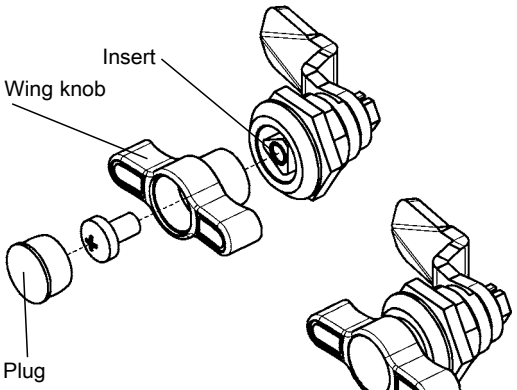


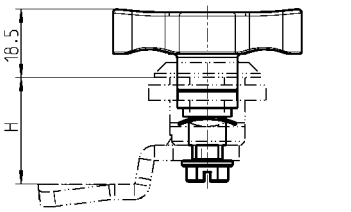
Insert: Polyamide black, wave washer and lock screw, m.s. zinc plated			
Double bit 3	1000-U745	Double bit 5	1000-U744
Key: Polyamide black			
Key Double Bit 3	1004-34-01	Key Double Bit 5	1004-33-01

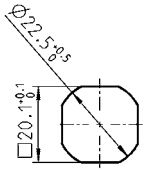
Further parts see page
– Housing and cam 1B-160

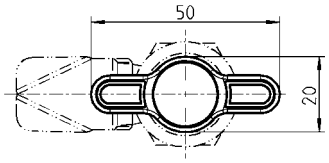
Key can be used as a handle

Wing knob for insert

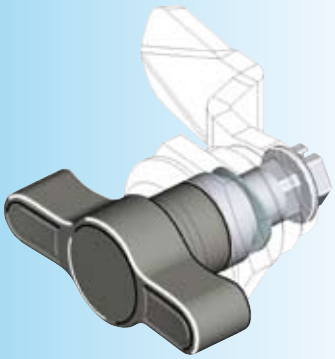








Cut out



Note:
Quarter turn assembling 1B-105

Further parts see page
– Housing 1B-140
1B-160
– Cam 1C-120
– Accessories up to 1C-220
from 1C-340

Wing knob: Polyamide GF black, blind plug PE black, assembling material m.s. zinc plated			
Square 8	1000-U764	Triangular 10	1000-U762
Insert: Zinc die zinc plated			
Square 8	1000-U765	Triangular 10	1000-U763

EMKA®

Beschlagteile

Clip in quarter turn, housing for quarter turns

PROGRAM 1000

RL IP 40 IP 65 IP 66

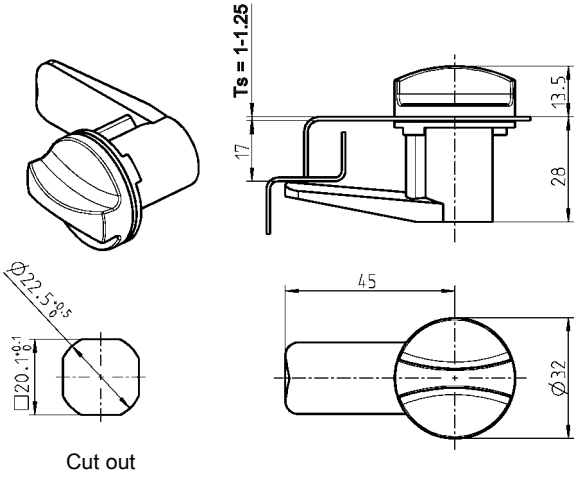


IP 40

Advantage:
Easy to install

Easy to assemble by using plug in plastic parts

Clip in quarter turn

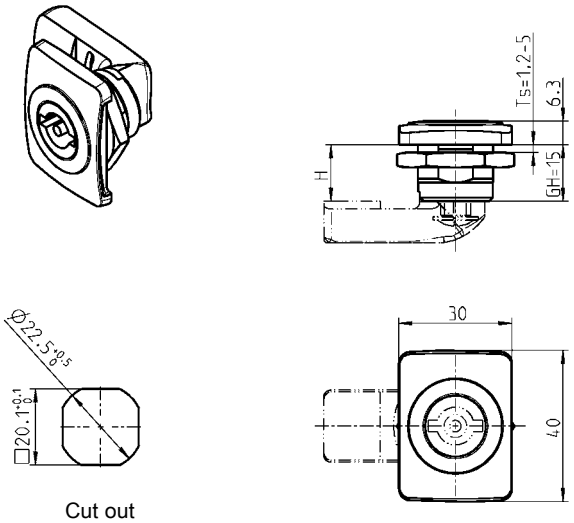


Cut out

Clip in quarter turn polyamide GF, RH/LH version	
black	1000-U349
grey RAL 7032	1000-U350

Housing for quarter turn





Cut out

Housing polyamide GF black, nut m.s. zinc plated	
RH version	1000-U740
LH version	1000-U740-01
IP 65 with:	
Flat seal	1000-23
O-ring	1000-24
IP 66 with:	
Sealing device	1000-U769

Attention:
When selecting a cam the H-dimmension reduced by 3 mm

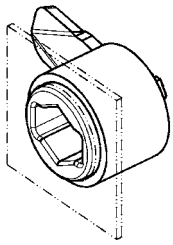
Note:
Quarter turn assembling 1B-105

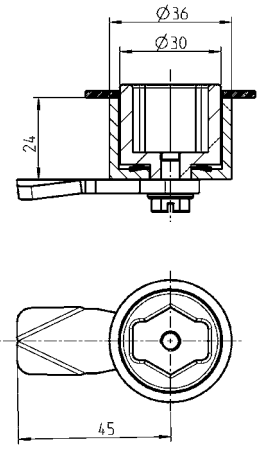
Further parts see page
– Insert 1B-140
– Cam (GH = 18) 1C-120
1C-140
Attention : When selecting these cams, note the H-dimension is reduced by 3mm.
– Key 12B-120

Quarter turn screw-on or weld-on

PROGRAM 1000

Special lock for fire brigade use according to DIN 14925-SCH



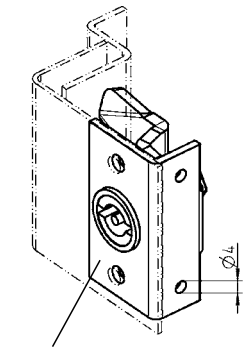


Quarter turn for equipment and appliances used by fire brigades. The lever cutting edge of special fire brigade hatchet according to DIN 14924 and the special fire hydrant keys A or B to DIN 3223 can be used to open the lock.

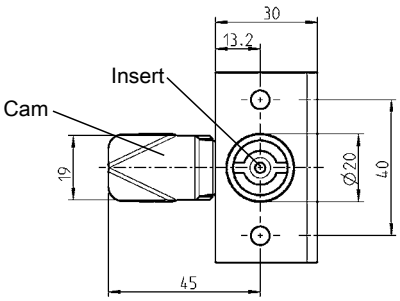


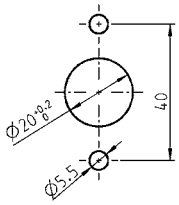
Housing, cam and screw m.s. zinc plated, insert zinc die chrome plated	
	1000-U143B

Cam m.s. zinc plated Dim. H in mm	
6	1000-112
8	1000-22
10	1000-113
12	1000-21
15	1000-20
16	1000-19
18	1000-18
20	1000-17
22	1000-16
24	1000-15
26	1000-14
27	1000-27
28	1000-50
30	1000-13
32	1000-28
34	1000-26
36	1000-12
37	1000-11
38	1000-51
40	1000-52
42	1000-25
44	1000-53
46	1000-54
49	1000-55
52	1000-56

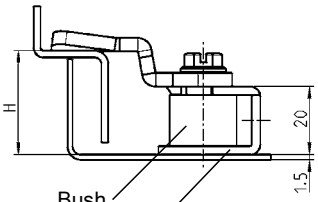


On request bush flush with housing





Cut out
No need for holes Ø 5,5 when welded.





Housing m.s. raw with bush zinc die zinc pl.	
RH version as drawn	1057-U1
LH version	1057-U2
Housing on request also zinc plated	

Further parts see page
– Insert 1B-140
– Key 12B-120

EMKA®

Beschlagteile

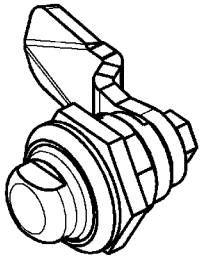
Notes:

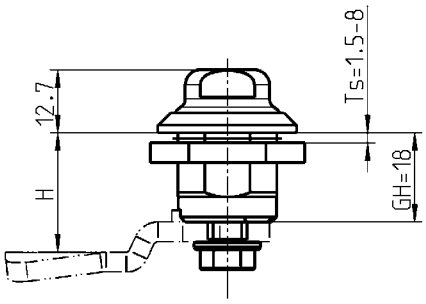
Quarter turn stainless steel for hygienic areas

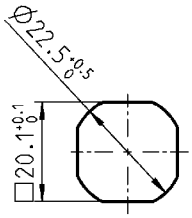
PROGRAM 1000

EDELSTAHL Rostfrei STAINLESS STEEL

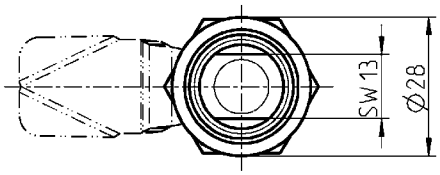
RL IP 65 IP 69K DIN EN 1672-2 DIN EN ISO 14159 INOX AISI 3..







Cut out







Note:
The quarterturn for hygienic areas fulfills the hygiene demands to DIN EN 1672-2 and DIN EN 14159

Quarter turn AISI 316 Ti, with seal	
	1000-U838
Key zinc die	
	1004-53

Further parts see page
– Cam 8A-320

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Beschlagteile

Quarter turns

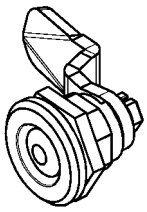
PROGRAM 1000

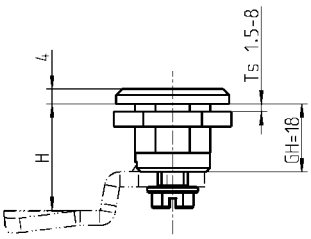
RL IP 65 IP 66

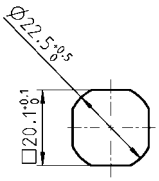


Further parts see page
– Cam 1C-120 up to 1C-220
– Accessories from 1C-220

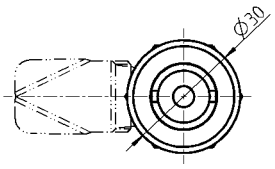
Quarter turn for Swedish power companies
EBR-Standard







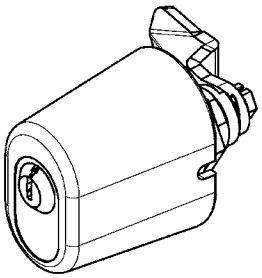
Cut out

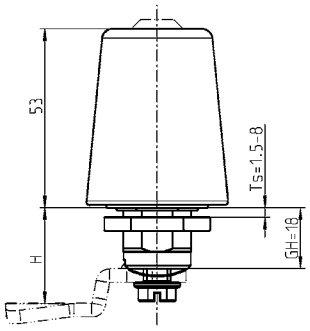


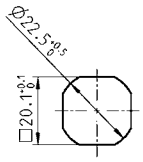
Housing and insert zinc die chrome pl., screws and nut m.s. zinc pl.	
	1000-U768
IP 65 with:	
Flat seal	1000-23
O-ring	1000-24
IP 66 with:	
Seal-set	1000-U769
Assembly on request:	
without O-ring	1000-990
with O-ring	1000-991

Wing knob for ASSA-cylinder

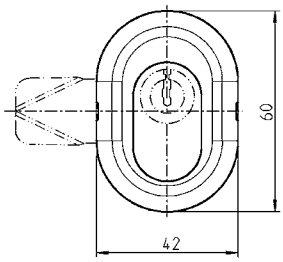








Cut out



ASSA cylinder to be provided by customer!

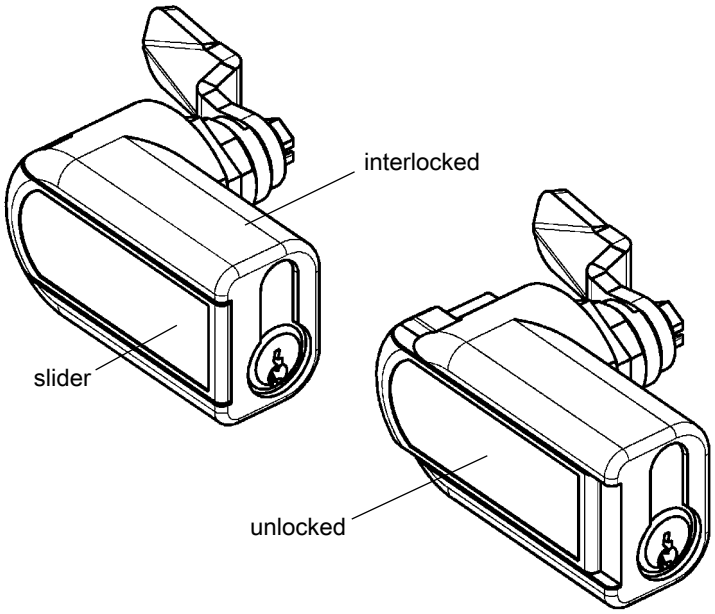
Further parts see page
– Cam 1C-120 up to 1C-220

Handle polyamide black, housing zinc die zinc plated,screw and nut m.s. zinc plated, with seal	
	1000-U653

Quarter turn for profile half cylinder

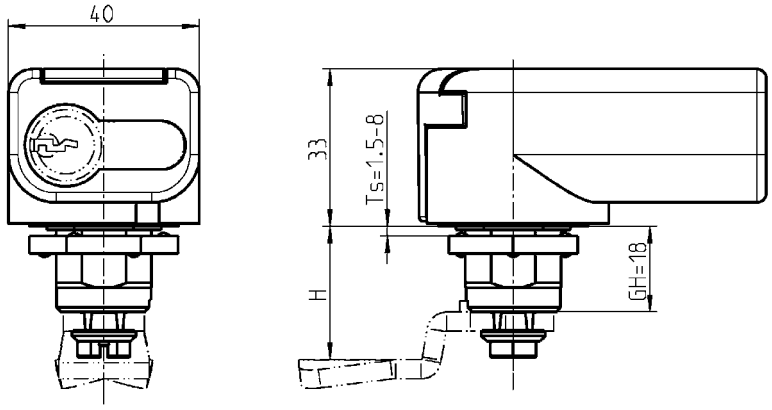
PROGRAM 1000

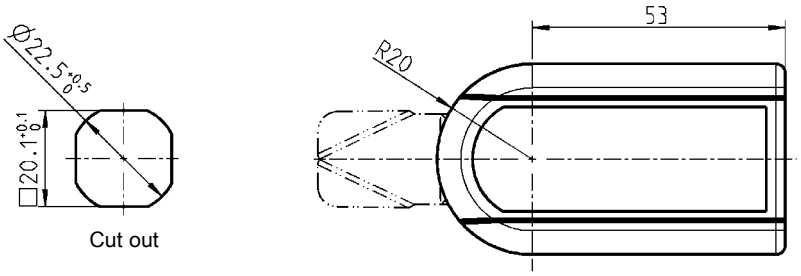
Shake and vibration proof with profile half cylinder according to DIN 18252 (EN1303)



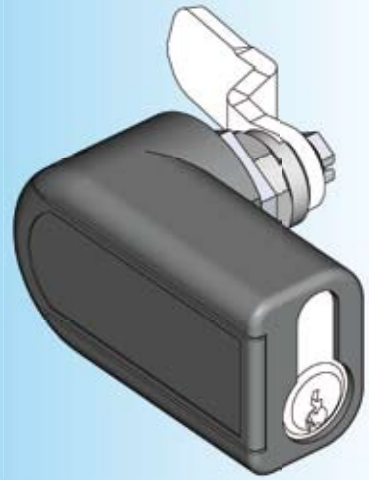
Locking with EMKA profile half cylinder
Locking possible without key.

Locking with profile half cylinder according to DIN 18252
Locking only possible with key

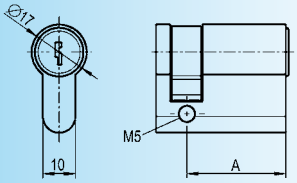




Cut out







Profile half cylinder
according to
DIN 18252 (EN 1303)

The locking position of the locking tappet has to be between 3 and 5 o'clock.

Further parts see page
– Cam 1C-120
– Profile half cylinder 3XB-120
(Attention: no application possible of push button half cylinder and blind plug)

Housing zinc die, handle polyamide GF black, earthnut and screw m.s. zinc plated	
	1000-U837

EMKA®

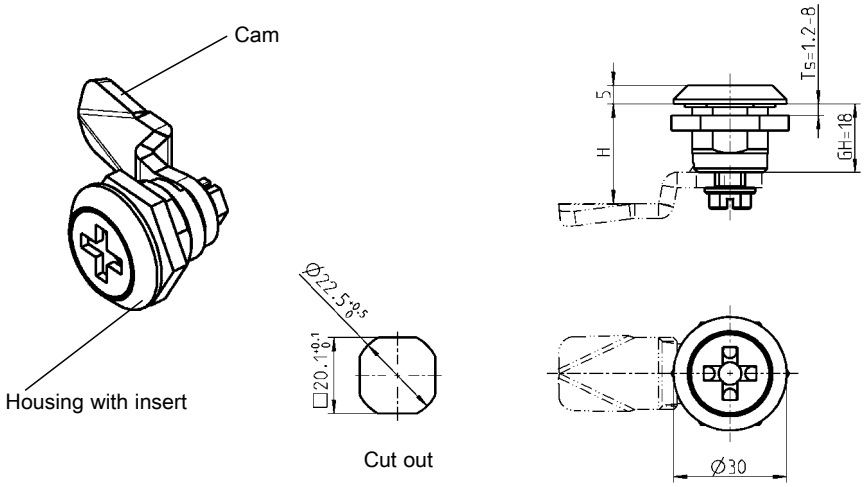
Beschlagteile

Notes:

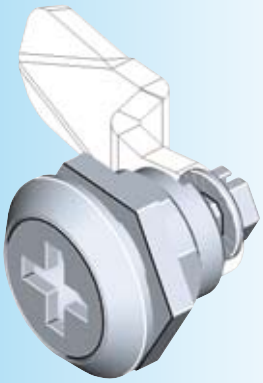
FIAT and Railroad quarter turn

PROGRAM 1000

FIAT

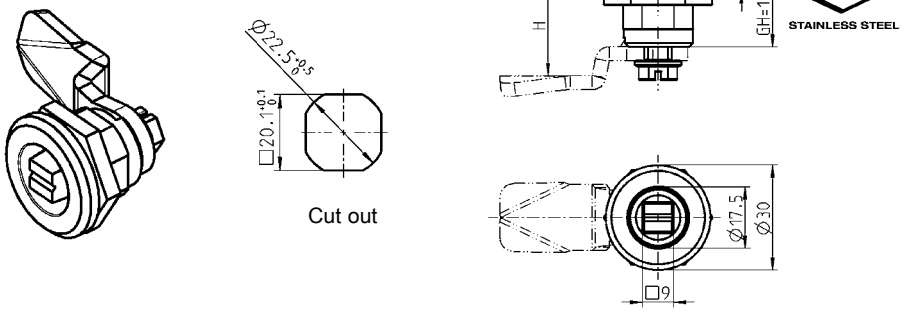


Housing* with insert zinc die chrome plated, screw, nut and earthnut m.s. zinc plated, with seal		
	Nut	**Earthnut**
	1000-U426	1000-U427



*** = IP 65**

Railroad



Housing zinc die, surface upon request, screw nut and earthnut m.s. zinc plated, insert on choice		
insert m.s. zinc plated	**Nut**	**Earthnut**
housing chrome plated	1000-U431	1000-U499
Housing black powder coated	1000-U432	1000-U500
Insert zinc die chrome pl.	**Nut**	**Earthnut**
housing chrome plated	1000-U431-01	–
Housing with insert, screw and nut AISI 304		
	1000-U431-PF	–
IP 65 with:		
Flat seal		1000-23
O-ring		1000-24
IP 66 with:		
Seal-set		1000-U769
Assembly on request:		
without O-ring		1000-990
with O-ring		1000-991



Note:
Quarter turn assembling 1B-105

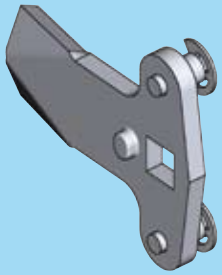
Further parts see page

– Cam 1C-120
up to 1C-220
– Accessories from 1C-220
– Escutcheon 3B-140
– Key 12B-120

Quarter turn accessories standard version

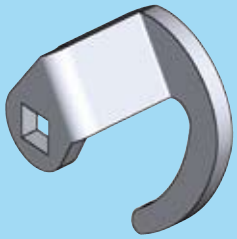
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2 

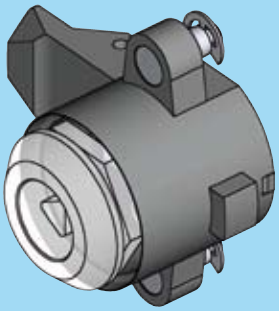
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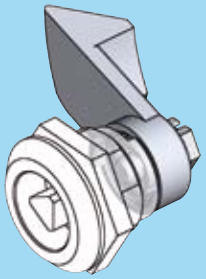
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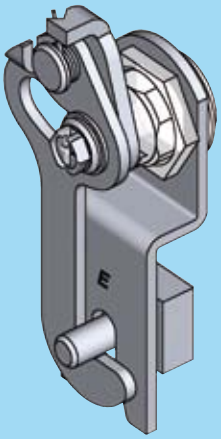
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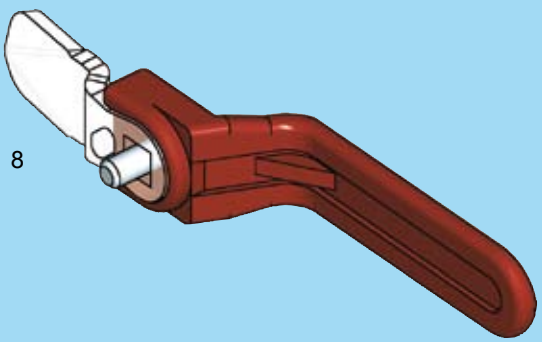
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4 

5 

6 

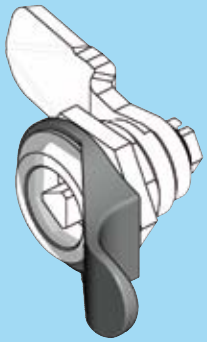
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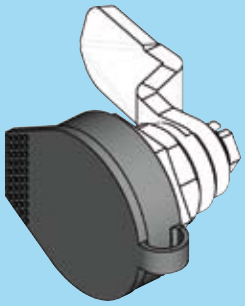
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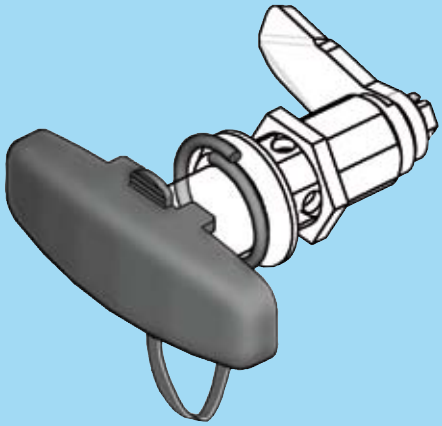
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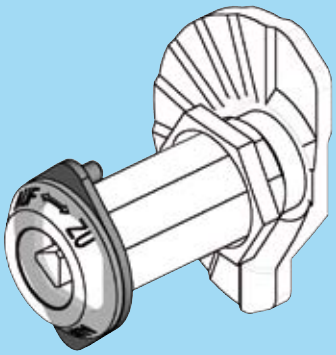
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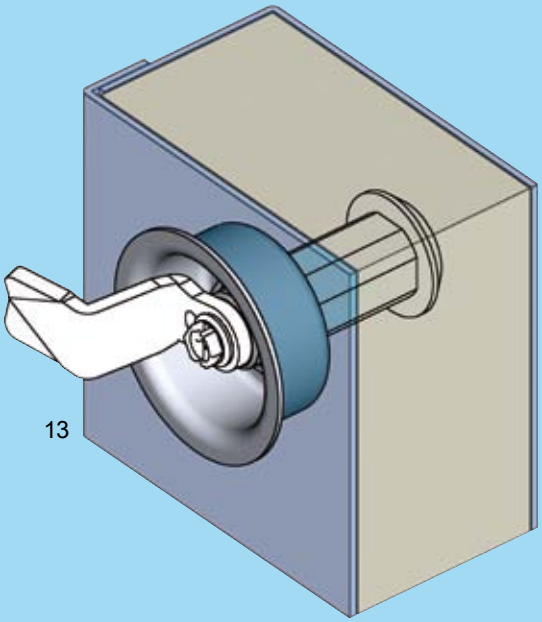
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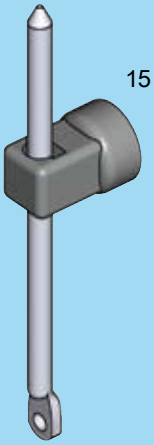
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13

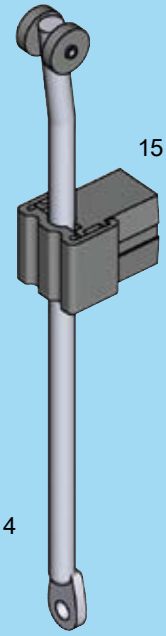


14



15

15



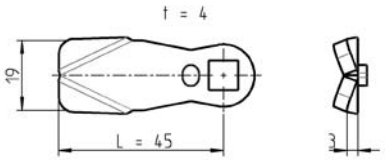
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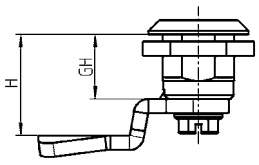
1	Cam	1C-120 to 1C-160
2	Cam	1C-120, 1C-130
3	Cam with rod control	1C-120, 1C-130
4	Hooked cam	1C-160
5	Plastic cam with rod control	1C-160
6	Slam cam	1C-180
7	Hooked lever assembly	1C-180
8	Internal handle for cams	1C-220
9	Rod control for cam	1C-220
10	Finger pull	1C-320
11	Dust cap	1C-320, 1C-340
12	Rotation prevention	1C-360
13	Dish for quarter turn	1C-380
14	Rods	1C-620
15	Rod guide	1C-640

Cam m.s. for GH = 18, 30, 36, 40, 50 and 60

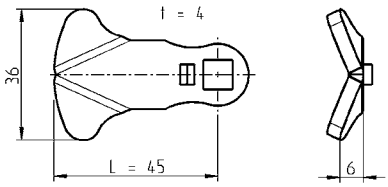
PROGRAM 1000

Cam





Cam



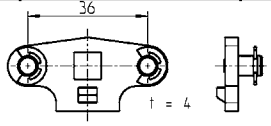
Cam m.s. zinc plated

H	GH = 18	GH = 30	GH = 36	GH = 40	GH = 50	GH = 60
4	1000-112	–	–	–	–	–
6	1000-22	–	–	–	–	–
8	1000-113	–	–	–	–	–
10	1000-21	–	–	–	–	–
13	1000-20	–	–	–	–	–
14	1000-19	–	–	–	–	–
16	1000-18	1000-112	–	–	–	–
18	1000-17	1000-22	–	–	–	–
20	1000-16	1000-113	–	–	–	–
22	1000-15	1000-21	1000-112	–	–	–
24	1000-14	–	1000-22	–	–	–
25	1000-27	1000-20	–	–	–	–
26	1000-50	1000-19	1000-113	1000-112	–	–
28	1000-13	1000-18	1000-21	1000-22	–	–
30	1000-28	1000-17	–	1000-113	–	–
31	–	–	1000-20	–	–	–
32	1000-26	1000-16	1000-19	1000-21	–	–
34	1000-12	1000-15	1000-18	–	–	–
35	1000-11	–	–	1000-20	–	–
36	1000-51	1000-14	1000-17	1000-19	1000-112	–
37	–	1000-27	–	–	–	–
38	1000-52	1000-50	1000-16	1000-18	1000-22	–
40	1000-25	1000-13	1000-15	1000-17	1000-113	–
42	1000-53	1000-28	1000-14	1000-16	1000-21	–
43	–	–	1000-27	–	–	–
44	1000-54	1000-26	1000-50	1000-15	–	–
45	1000-10	–	–	–	1000-20	–
46	–	1000-12	1000-13	1000-14	1000-19	1000-112
47	1000-55	1000-11	–	1000-27	–	–
48	–	1000-51	1000-28	1000-50	1000-18	1000-22
50	1000-56	1000-52	1000-26	1000-13	1000-17	1000-113
52	–	1000-25	1000-12	1000-28	1000-16	1000-21
53	–	–	1000-11	–	–	–
54	–	1000-53	1000-51	1000-26	1000-15	–
55	–	–	–	–	–	1000-20
56	–	1000-54	1000-52	1000-12	1000-14	1000-19
57	–	1000-10	–	1000-11	1000-27	–
58	–	–	1000-25	1000-51	1000-50	1000-18
59	–	1000-55	–	–	–	–
60	–	–	1000-53	1000-52	1000-13	1000-17
62	–	1000-56	1000-54	1000-25	1000-28	1000-16
63	–	–	1000-10	–	–	–
64	–	–	–	1000-53	1000-26	1000-15
65	–	–	1000-55	–	–	–
66	–	–	–	1000-54	1000-12	1000-14
67	–	–	–	1000-10	1000-11	1000-27
68	–	–	1000-56	–	1000-51	1000-50
69	–	–	–	1000-55	–	–
70	–	–	–	–	1000-52	1000-13
72	–	–	–	1000-56	1000-25	1000-28
74	–	–	–	–	1000-53	1000-26
76	–	–	–	–	1000-54	1000-12
77	–	–	–	–	1000-10	1000-11
78	–	–	–	–	–	1000-51
79	–	–	–	–	1000-55	–
80	–	–	–	–	–	1000-52
82	–	–	–	–	1000-56	1000-25
84	–	–	–	–	–	1000-53
86	–	–	–	–	–	1000-54
87	–	–	–	–	–	1000-10
89	–	–	–	–	–	1000-55
92	–	–	–	–	–	1000-56

Cam m.s. zinc plated

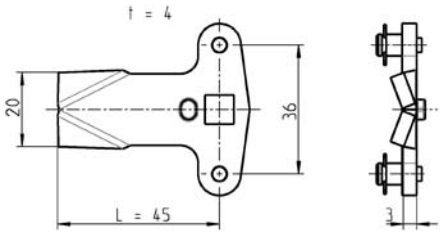
H	GH = 18	GH = 30	GH = 36	GH = 40
4	1000-286	–	–	–
6	1000-287	–	–	–
8	1000-288	–	–	–
10	1000-289	–	–	–
13	1000-290	–	–	–
14	1000-291	–	–	–
16	1000-292	1000-286	–	–
18	1000-293	1000-287	–	–
20	1000-294	1000-288	–	–
22	1000-295	1000-289	1000-286	–
24	1000-296	–	1000-287	–
25	1000-297	1000-290	–	–
26	1000-298	1000-291	1000-288	1000-286
28	1000-299	1000-292	1000-289	1000-287
30	1000-300	1000-293	–	1000-288
31	–	–	1000-290	–
32	1000-301	1000-294	1000-291	1000-289
34	1000-302	1000-295	1000-292	–
35	1000-303	–	–	1000-290
36	1000-304	1000-296	1000-293	1000-291
37	–	1000-297	–	–
38	1000-305	1000-298	1000-294	1000-292
40	1000-306	1000-299	1000-295	1000-293
42	1000-307	1000-300	1000-296	1000-294
43	–	–	1000-297	–
44	1000-308	1000-301	1000-298	1000-295
45	1000-309	–	–	–
46	–	1000-302	1000-299	1000-296
47	1000-310	1000-303	–	1000-297
48	–	1000-304	1000-300	1000-298
50	1000-311	1000-305	1000-301	1000-299
52	–	1000-306	1000-302	1000-300
53	–	–	1000-303	–
54	–	1000-307	1000-304	1000-301
55	–	–	–	–
56	–	1000-308	1000-305	1000-302
57	–	1000-309	–	1000-303
58	–	–	1000-306	1000-304
59	–	1000-310	–	–
60	–	–	1000-307	1000-305
62	–	1000-311	1000-308	1000-306
63	–	–	1000-309	–
64	–	–	–	1000-307
65	–	–	1000-310	–
66	–	–	–	1000-308
67	–	–	–	1000-309
68	–	–	1000-311	–
69	–	–	–	1000-310
70	–	–	–	–
72	–	–	–	1000-311
74	–	–	–	–
76	–	–	–	–
77	–	–	–	–
78	–	–	–	–
79	–	–	–	–
80	–	–	–	–
82	–	–	–	–
84	–	–	–	–
86	–	–	–	–
87	–	–	–	–
89	–	–	–	–
92	–	–	–	–

2-point rod control m.s. zinc plated



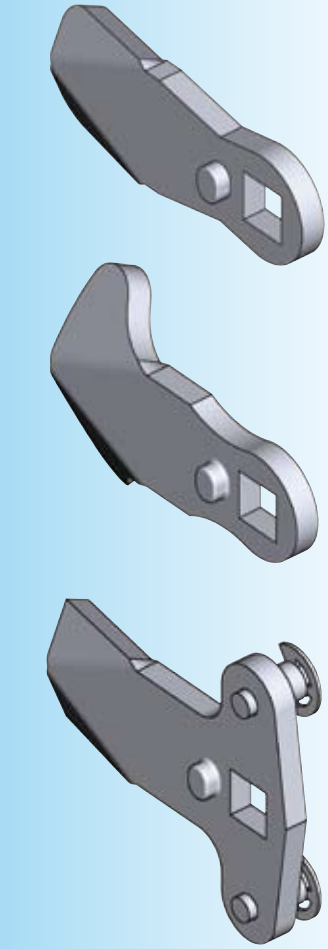
1000-U167

Cam with rod control



Cam with rod control m.s. zinc plated								
GH = 50	GH = 60	H.....	GH = 18	GH = 30	GH = 36	GH = 40	GH = 50	GH = 60
–	–	4.....	1000-U63	–	–	–	–	–
–	–	6.....	1000-U21	–	–	–	–	–
–	–	8.....	1000-U64	–	–	–	–	–
–	–	10.....	1000-U22	–	–	–	–	–
–	–	13.....	1000-U23	–	–	–	–	–
–	–	14.....	1000-U24	–	–	–	–	–
–	–	16.....	1000-U25	1000-U63	–	–	–	–
–	–	18.....	1000-U26	1000-U21	–	–	–	–
		20.....	1000-U27	1000-U64	–	–	–	–
–	–	22.....	1000-U28	1000-U22	1000-U63	–	–	–
–	–	24.....	1000-U29	–	1000-U21	–	–	–
–	–	25.....	1000-U30	1000-U23	–	–	–	–
–	–	26.....	1000-U31	1000-U24	1000-U64	1000-U63	–	–
–	–	28.....	1000-U32	1000-U25	1000-U22	1000-U21	–	–
–	–	30.....	1000-U33	1000-U26	–	1000-U64	–	–
–	–	31.....	–	–	1000-U23	–	–	–
–	–	32.....	1000-U34	1000-U27	1000-U24	1000-U22	–	–
–	–	34.....	1000-U35	1000-U28	1000-U25	–	–	–
–	–	35.....	1000-U36	–	–	1000-U23	–	–
1000-286	–	36.....	1000-U37	1000-U29	1000-U26	1000-U24	1000-U63	
–	–	37.....	–	1000-U30	–	–	–	–
1000-287	–	38.....	1000-U38	1000-U31	1000-U27	1000-U25	1000-U21	–
1000-288	–	40.....	1000-U39	1000-U32	1000-U28	1000-U26	1000-U64	–
1000-289	–	42.....	1000-U40	1000-U33	1000-U29	1000-U27	1000-U22	–
–	–	43.....	–	–	1000-U30	–	–	–
–	–	44.....	1000-U41	1000-U34	1000-U31	1000-U28	–	–
1000-290	–	45.....	1000-U42	–	–	–	1000-U23	–
1000-291	1000-286	46.....	–	1000-U35	1000-U32	1000-U29	1000-U24	1000-U63
–	–	47.....	1000-U43	1000-U36	–	1000-U30	–	–
1000-292	1000-287	48.....	–	1000-U37	1000-U33	1000-U31	1000-U25	1000-U21
1000-293	1000-288	50.....	1000-U44	1000-U38	1000-U34	1000-U32	1000-U26	1000-U64
1000-294	1000-289	52.....	–	1000-U39	1000-U35	1000-U33	1000-U27	1000-U22
–	–	53.....	–	–	1000-U36	–	–	–
1000-295	–	54.....	–	1000-U40	1000-U37	1000-U34	1000-U28	–
–	1000-290	55.....	–	–	–	–	–	1000-U23
1000-296	1000-291	56.....	–	1000-U41	1000-U38	1000-U35	1000-U29	1000-U24
1000-297	–	57.....	–	1000-U42	–	1000-U36	1000-U30	–
1000-298	1000-292	58.....	–	–	1000-U39	1000-U37	1000-U31	1000-U25
–	–	59.....	–	1000-U43	–	–	–	–
1000-299	1000-293	60.....	–	–	1000-U40	1000-U38	1000-U32	1000-U26
1000-300	1000-294	62.....	–	1000-U44	1000-U41	1000-U39	1000-U33	1000-U27
–	–	63.....	–	–	1000-U42	–	–	–
1000-301	1000-295	64.....	–	–	–	1000-U40	1000-U34	1000-U28
–	–	65.....	–	–	1000-U43	–	–	–
1000-302	1000-296	66.....	–	–	–	1000-U41	1000-U35	1000-U29
1000-303	1000-297	67.....	–	–	–	1000-U42	1000-U36	1000-U30
1000-304	1000-298	68.....	–	–	1000-U44	–	1000-U37	1000-U31
–	–	69.....	–	–	–	1000-U43	–	–
1000-305	1000-299	70.....	–	–	–	–	1000-U38	1000-U32
1000-306	1000-300	72.....	–	–	–	1000-U44	1000-U39	1000-U33
1000-307	1000-301	74.....	–	–	–	–	1000-U40	1000-U34
1000-308	1000-302	76.....	–	–	–	–	1000-U41	1000-U35
1000-309	1000-303	77.....	–	–	–	–	1000-U42	1000-U36
–	1000-304	78.....	–	–	–	–	–	1000-U37
1000-310	–	79.....	–	–	–	–	1000-U43	–
–	1000-305	80.....	–	–	–	–	–	1000-U38
1000-311	1000-306	82.....	–	–	–	–	1000-U44	1000-U39
–	1000-307	84.....	–	–	–	–	–	1000-U40
–	1000-308	86.....	–	–	–	–	–	1000-U41
–	1000-309	87.....	–	–	–	–	–	1000-U42
–	1000-310	89.....	–	–	–	–	–	1000-U43
–	1000-311	92.....	–	–	–	–	–	1000-U44

By using above cams together with rods the effects of the axial movement have to be considered.



Note:
The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)

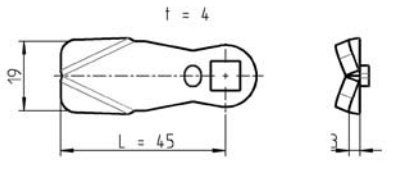
Further parts see page

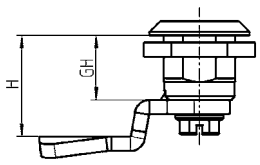
– Rod		1C-620
– Quarter turn		1B-120
		1B-140
		1B-320
	up to	1B-335
		1B-360
	up to	1B-760
		1B-830
	up to	1B-860
– Rod control or internal handle		1C-220
– Swinghandle		3N-120
– Heavy duty latch		10A-620
		10A-640

Cam m.s. for GH = 22, 28, 31, 32, 42 and 45

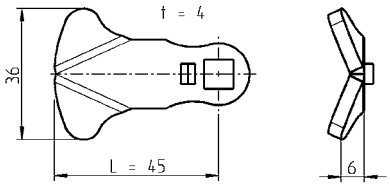
PROGRAM 1000

Cam





Cam



Cam m.s. zinc plated

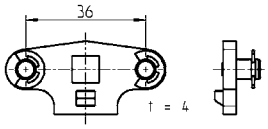
H	GH = 22	GH = 28	GH = 31	GH = 32	GH = 42	GH = 45
8	1000-112	–	–	–	–	–
10	10000-22	–	–	–	–	–
12	1000-113	–	–	–	–	–
14	1000-21	1000-112	–	–	–	–
16	–	1000-22	–	–	–	–
17	1000-20	–	1000-112	–	–	–
18	1000-19	1000-113	–	1000-112	–	–
19	–	–	1000-22	–	–	–
20	1000-18	1000-21	–	1000-22	–	–
21	–	–	1000-113	–	–	–
22	1000-17	–	–	1000-113	–	–
23	–	1000-20	1000-21	–	–	–
24	1000-16	1000-19	–	1000-21	–	–
26	1000-15	1000-18	1000-20	–	–	–
27	–	–	1000-19	1000-20	–	–
28	1000-14	1000-17	–	1000-19	1000-112	–
29	1000-27	–	1000-18	–	–	–
30	1000-50	1000-16	–	1000-18	1000-22	–
31	–	–	1000-17	–	–	1000-112
32	1000-13	1000-15	–	1000-17	1000-113	–
33	–	–	1000-16	–	–	1000-22
34	1000-28	1000-14	–	1000-16	1000-21	–
35	–	1000-27	1000-15	–	–	1000-113
36	1000-26	1000-50	–	1000-15	–	–
37	–	–	1000-14	–	1000-20	1000-21
38	1000-12	1000-13	1000-27	1000-14	1000-19	–
39	1000-11	–	1000-50	1000-27	–	–
40	1000-51	1000-28	–	1000-50	1000-18	1000-20
41	–	–	1000-13	–	–	1000-19
42	1000-52	1000-26	–	1000-13	1000-17	–
43	–	–	1000-28	–	–	1000-18
44	1000-25	1000-12	–	1000-28	1000-16	–
45	–	1000-11	1000-26	–	–	1000-17
46	1000-53	1000-51	–	1000-26	1000-15	–
47	–	–	1000-12	–	–	1000-16
48	1000-54	1000-52	1000-11	1000-12	1000-14	–
49	1000-10	–	1000-51	1000-11	1000-27	1000-15
50	–	1000-25	–	1000-51	1000-50	–
51	1000-55	–	1000-52	–	–	1000-14
52	1000-56	1000-53	–	1000-52	1000-13	1000-27
53	–	–	1000-25	–	–	1000-50
54	–	1000-54	–	1000-25	1000-28	–
55	–	1000-10	1000-53	–	–	1000-13
56	–	–	–	1000-53	1000-26	–
57	–	1000-55	1000-54	–	–	1000-28
58	–	1000-56	1000-10	1000-54	1000-12	–
59	–	–	–	1000-10	1000-11	1000-26
60	–	–	1000-55	–	1000-51	–
61	–	–	1000-56	1000-55	–	1000-12
62	–	–	–	1000-56	1000-52	1000-11
63	–	–	–	–	–	1000-51
64	–	–	–	–	1000-25	–
65	–	–	–	–	–	1000-52
66	–	–	–	–	1000-53	–
67	–	–	–	–	–	1000-25
68	–	–	–	–	1000-54	–
69	–	–	–	–	1000-10	1000-53
71	–	–	–	–	1000-55	1000-54
72	–	–	–	–	1000-56	1000-10
74	–	–	–	–	–	1000-55
75	–	–	–	–	–	1000-56

Cam m.s. zinc plated

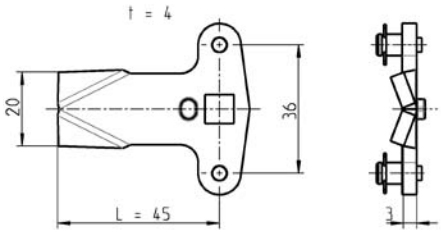
H	GH = 22	GH = 28	GH = 31	GH = 32
8	1000-286	–	–	–
10	1000-287	–	–	–
12	1000-288	–	–	–
14	1000-289	1000-286	–	–
16	–	1000-287	–	–
17	1000-290	–	1000-286	–
18	1000-291	1000-288	–	1000-286
19	–	–	1000-287	–
20	1000-292	1000-289	–	1000-287
21	–	–	1000-288	–
22	1000-293	–	–	1000-288
23	–	1000-290	1000-289	–
24	1000-294	1000-291	–	1000-289
26	1000-295	1000-292	1000-290	–
27	–	–	1000-291	1000-290
28	1000-296	1000-293	–	1000-291
29	1000-297	–	1000-292	–
30	1000-298	1000-294	–	1000-292
31	–	–	1000-293	–
32	1000-299	1000-295	–	1000-293
33	–	–	1000-294	–
34	1000-300	1000-296	–	1000-294
35	–	1000-297	1000-295	–
36	1000-301	1000-298	–	1000-295
37	–	–	1000-296	–
38	1000-302	1000-299	1000-297	1000-296
39	1000-303	–	1000-298	1000-297
40	1000-304	1000-300	–	1000-298
41	–	–	1000-299	–
42	1000-305	1000-301	–	1000-299
43	–	–	1000-300	–
44	1000-306	1000-302	–	1000-300
45	–	1000-303	1000-301	–
46	1000-307	1000-304	–	1000-301
47	–	–	1000-302	–
48	1000-308	1000-305	1000-303	1000-302
49	1000-309	–	1000-304	1000-303
50	–	1000-306	–	1000-304
51	1000-310	–	1000-305	–
52	–	1000-307	–	1000-305
53	–	–	1000-306	–
54	1000-311	1000-308	–	1000-306
55	–	1000-309	1000-307	–
56	–	–	–	1000-307
57	–	1000-310	1000-308	–
58	–	–	1000-309	1000-308
59	–	–	–	1000-309
60	–	1000-311	1000-310	–
61	–	–	–	1000-310
62	–	–	–	–
63	–	–	1000-311	–
64	–	–	–	1000-311
65	–	–	–	–
66	–	–	–	–
67	–	–	–	–
68	–	–	–	–
69	–	–	–	–
71	–	–	–	–
72	–	–	–	–
74	–	–	–	–
77	–	–	–	–

2-point rod control m.s. zinc plated

1000-U167



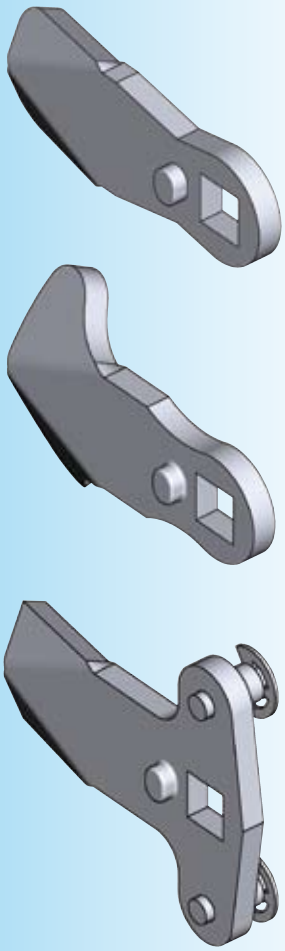
Cam with rod control



Cam with rod control m.s. zinc plated								
GH = 42	GH = 45	H	GH = 22	GH = 28	GH = 31	GH = 32	GH = 42	GH = 45
–	–	8.....	1000-U63	–	–	–	–	–
–	–	10.....	1000-U21	–	–	–	–	–
–	–	12.....	1000-U64	–	–	–	–	–
–	–	14.....	1000-U22	1000-U63	–	–	–	–
–	–	16.....	–	1000-U21	–	–	–	–
–	–	17.....	1000-U23	–	1000-U63	–	–	–
–	–	18.....	1000-U24	1000-U64	–	1000-U63	–	–
–	–	19.....	–	–	1000-U21	–	–	–
–	–	20.....	1000-U25	1000-U22	–	1000-U21	–	–
–	–	21.....	–	–	1000-U64	–	–	–
–	–	22.....	1000-U26	–	–	1000-U64	–	–
–	–	23.....	–	1000-U23	1000-U22	–	–	–
–	–	24.....	1000-U27	1000-U24	–	1000-U22	–	–
–	–	26.....	1000-U28	1000-U25	1000-U23	–	–	–
–	–	27.....	–	–	1000-U24	1000-U23	–	–
1000-286	–	28.....	1000-U29	1000-U26	–	1000-U24	1000-U63	–
–	–	29.....	1000-U30	–	1000-U25	–	–	–
1000-287	–	30.....	1000-U31	1000-U27	–	1000-U25	1000-U21	–
–	1000-286	31.....	–	–	1000-U26	–	–	1000-U63
1000-288	–	32.....	1000-U32	1000-U28	–	1000-U26	1000-U64	–
–	1000-287	33.....	–	–	1000-U27	–	–	1000-U21
1000-289	–	34.....	1000-U33	1000-U29	–	1000-U27	1000-U22	–
–	1000-288	35.....	–	1000-U30	1000-U28	–	–	1000-U64
–	–	36.....	1000-U34	1000-U31	–	1000-U28	–	–
1000-290	1000-289	37.....	–	–	1000-U29	–	1000-U23	1000-U22
1000-291	–	38.....	1000-U35	1000-U32	1000-U30	1000-U29	1000-U24	–
–	–	39.....	1000-U36	–	1000-U31	1000-U30	–	–
1000-292	1000-290	40.....	1000-U37	1000-U33	–	1000-U31	1000-U25	1000-U23
–	1000-291	41.....	–	–	1000-U32	–	–	1000-U24
1000-293	–	42.....	1000-U38	1000-U34	–	1000-U32	1000-U26	–
–	1000-292	43.....	–	–	1000-U33	–	–	1000-U25
1000-294	–	44.....	1000-U39	1000-U35	–	1000-U33	1000-U27	–
–	1000-293	45.....	–	1000-U36	1000-U34	–	–	1000-U26
1000-295	–	46.....	1000-U40	1000-U37	–	1000-U34	1000-U28	–
–	1000-294	47.....	–	–	1000-U35	–	–	1000-U27
1000-296	–	48.....	1000-U41	1000-U38	1000-U36	1000-U35	1000-U29	–
1000-297	1000-295	49.....	1000-U42	–	1000-U37	1000-U36	1000-U30	1000-U28
1000-298	–	50.....	–	1000-U39	–	1000-U37	1000-U31	–
–	1000-296	51.....	1000-U43	–	1000-U38	–	–	1000-U29
1000-299	1000-297	52.....	–	1000-U40	–	1000-U38	1000-U32	1000-U30
–	1000-298	53.....	–	–	1000-U39	–	–	1000-U31
1000-300	–	54.....	1000-U44	1000-U41	–	1000-U39	1000-U33	–
–	1000-299	55.....	–	1000-U42	1000-U40	–	–	1000-U32
1000-301	–	56.....	–	–	–	1000-U40	1000-U34	–
–	1000-300	57.....	–	1000-U43	1000-U41	–	–	1000-U33
1000-302	–	58.....	–	–	1000-U42	1000-U41	1000-U35	–
1000-303	1000-301	59.....	–	–	–	1000-U42	1000-U36	1000-U34
1000-304	–	60.....	–	1000-U44	1000-U43	–	1000-U37	–
–	1000-302	61.....	–	–	–	1000-U43	–	1000-U35
1000-305	1000-303	62.....	–	–	–	–	1000-U38	1000-U36
–	1000-304	63.....	–	–	1000-U44	–	–	1000-U37
1000-306	–	64.....	–	–	–	1000-U44	1000-U39	–
–	1000-305	65.....	–	–	–	–	–	1000-U38
1000-307	–	66.....	–	–	–	–	1000-U40	–
–	1000-306	67.....	–	–	–	–	–	1000-U39
1000-308	–	68.....	–	–	–	–	1000-U41	–
1000-309	1000-307	69.....	–	–	–	–	1000-U42	1000-U40
1000-310	1000-308	71.....	–	–	–	–	1000-U43	1000-U41
1000-311	1000-309	72.....	–	–	–	–	1000-U44	1000-U42
–	1000-310	74.....	–	–	–	–	–	1000-U43
–	1000-311	77.....	–	–	–	–	–	1000-U44

By using above cams together with rods the effects of the axial movement have to be considered.





Note:
The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)

Further parts see page

– Rod 1C-620
– Quarter turns 1B-220
1B-230
1B-680
– Swinghandle 1152 with clamping function 3C-540

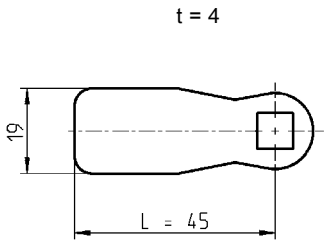
EMKA®

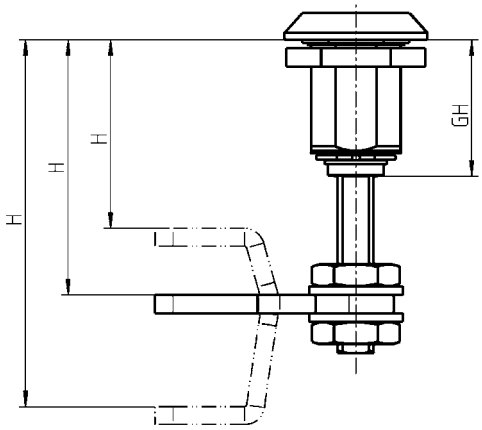
Beschlagteile

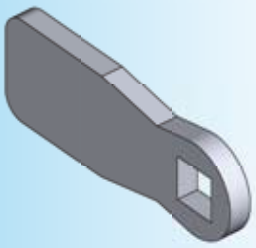
Notes:

Cam m.s. for GH = 31, 45 and 64
Compression latch

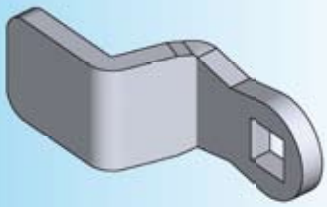
PROGRAM 1000







straight cam



bended cam

Cam m.s. zinc plated		
for GH = 31	**H**	**GH = 31**
straight	38 - 58	1000-476
bended +/- 14 mm	24 - 44 ; 52 - 72	1000-478
bended +/- 26 mm	12 - 32 ; 64 - 84	1000-477
for GH = 45	**H**	**GH = 45**
straight	52 - 72	1000-476
bended +/- 14 mm	38 - 58 ; 66 - 86	1000-478
bended +/- 26 mm	26 - 46 ; 78 - 98	1000-477
for GH = 64	**H**	**GH = 64**
straight	71 - 91	1000-476
bended +/- 14 mm	57 - 77 ; 85 - 105	1000-478
bended +/- 26 mm	45 - 65 ; 97 - 117	1000-477

Note:
Bended cams are reversible

Further parts see page
– Compression latch with insert 1B-222
– Compression latch with handle 1B-232
– Recess T-Handle with compression function 12A-135

EMKA

Beschlagteile

®Cam AISI 304 for GH = 18, 30, 36, 40, 50, 60
Cam polyamide

PROGRAM 1000

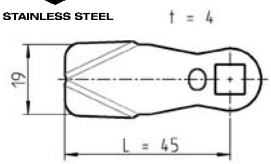


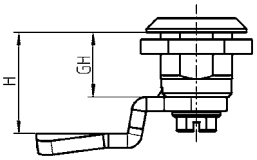


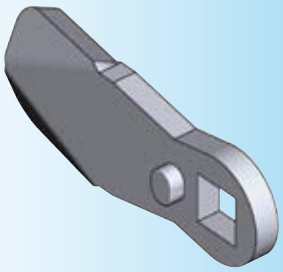


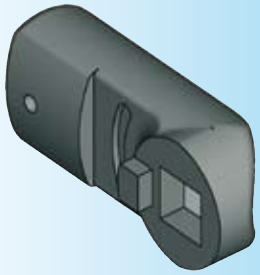








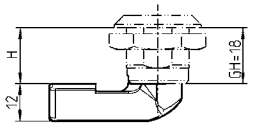


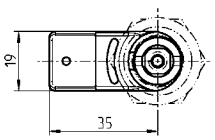
Cam AISI 304						
H	GH = 18	GH = 30	GH = 36	GH = 40	GH = 50	GH = 60
4	–	–	–	–	–	–
6	1000-221	–	–	–	–	–
8	–	–	–	–	–	–
10	1000-223	–	–	–	–	–
13	–	–	–	–	–	–
14	1000-225	–	–	–	–	–
16	–	–	–	–	–	–
18	1000-227	1000-221	–	–	–	–
20	1000-228	–	–	–	–	–
22	1000-179	1000-223	–	–	–	–
24	1000-229	–	1000-221	–	–	–
25	–	–	–	–	–	–
26	1000-230	1000-225	–	–	–	–
28	1000-180	–	1000-223	1000-221	–	–
30	–	1000-227	–	–	–	–
31	–	–	–	–	–	–
32	–	1000-228	1000-225	1000-223	–	–
34	–	1000-179	–	–	–	–
35	–	–	–	–	–	–
36	–	1000-229	1000-227	1000-225	–	–
37	–	–	–	–	–	–
38	–	1000-230	1000-228	–	1000-221	–
40	–	1000-180	1000-179	1000-227	–	–
42	–	–	1000-229	1000-228	–	–
43	–	–	–	–	1000-223	–
44	–	–	1000-230	1000-179	–	–
45	–	–	–	–	–	–
46	–	–	1000-180	1000-229	1000-225	
47	–	–	–	–	–	–
48	–	–	–	1000-230	–	1000-221
50	–	–	–	1000-180	1000-227	–
52	–	–	–	–	1000-228	–
53	–	–	–	–	–	1000-223
54	–	–	–	–	1000-179	–
55	–	–	–	–	–	–
56	–	–	–	–	1000-229	1000-225
57	–	–	–	–	–	–
58	–	–	–	–	1000-230	–
59	–	–	–	–	–	–
60	–	–	–	–	1000-180	1000-227
62	–	–	–	–	–	1000-228
63	–	–	–	–	–	–
64	–	–	–	–	–	1000-179
65	–	–	–	–	–	–
66	–	–	–	–	–	1000-229
67	–	–	–	–	–	–
68	–	–	–	–	–	1000-230
69	–	–	–	–	–	–
70	–	–	–	–	–	1000-180

Note:
The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)

Further parts see page

– Quarter turns		1B-120
		1B-140
		1B-320
	up to	1B-335
		1B-360
	up to	1B-760
		1B-830
	up to	1B-860
– Rod control or internal handle		1C-220
– Swinghandle		3N-120
– Heavy duty latch		10A-620
		10A-640

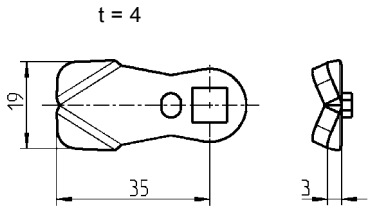




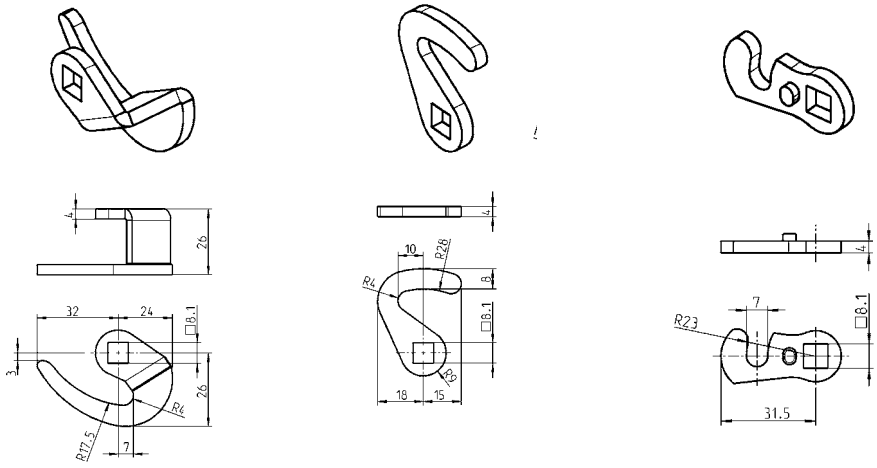
Cam polyamide black, Dim H with GH = 18			
H		H	
18	1000-386-18	24	1000-386-24
20	1000-386-20	28	1000-386-28
22	1000-386-22	30	1000-386-30

Cam

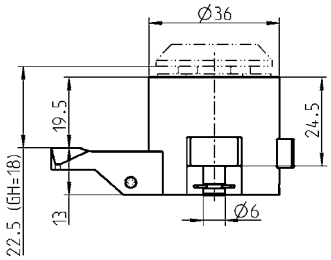
PROGRAM 1000

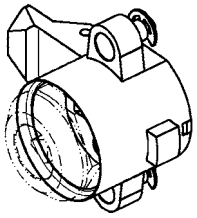


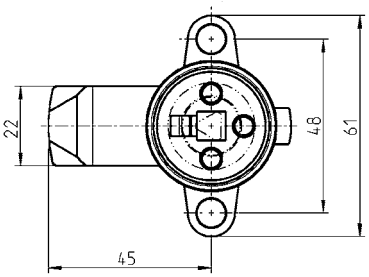
Cam m.s. zinc plated		
Dimension H for GH 18 in mm		
H	L	
18	35	1000-5046
20	35	1000-5161
22	35	1000-5119
28	35	1000-5164



Hooked cam for desk lid, LH version	Hooked cam, RH and LH version	Hooked cam, LH version
m.s. zinc plated..... 1000-91	m.s. zinc plated.... 1000-93	m.s. zinc plated... 1000-61





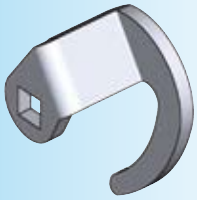


Note:
The plastic cam is made for GH = 18!

By using the plastic cam with captive cover of fixing screws protective insulation will be reached for the installation of metal quarter turns (program 1000)

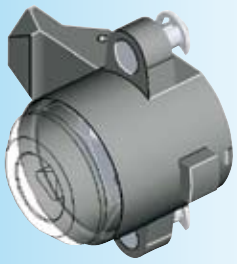
Plastic cam polyamide black with reinforced cover plate m.s. zinc plated, studs m.s. zinc plated	
without studs	1107-U3
with studs	1107-U4











Note:
The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)

Further parts see page

– Rod 1C-620
– Quarter turn 1B-120
1B-140
1B-320
up to 1B-335
1B-360
up to 1B-760
1B-830
up to 1B-860
– Rod control or internal handle 1C-220
– Swinghandle 3N-120
– Heavy duty latch 10A-620
10A-640

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Hook lever lock, slam cam

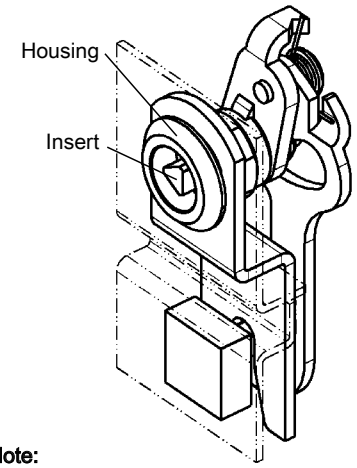
PROGRAM 1000

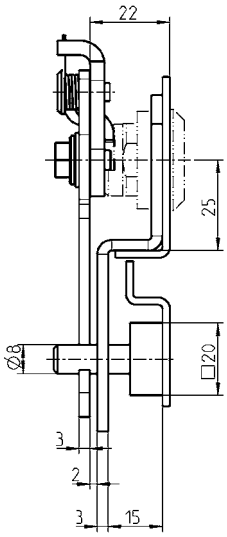
Hook lever lock
with 90° locking stroke, turn and pull movement to the cam

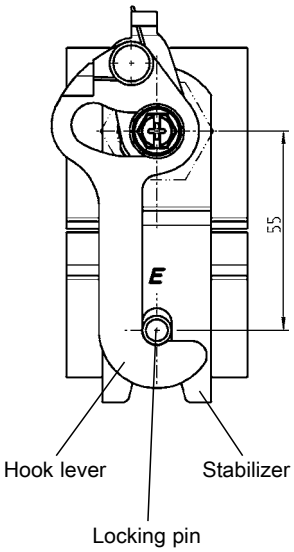
Note: drawings and dimensions relate to quarter turns with GH = 18 !



Hook stroke 5 mm





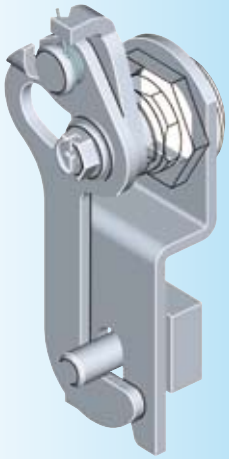


Note:
When using quarter turns with GH-dimension >18 the length of the screw has to be checked

Further parts see page

– Quarter turns
1B-120
1B-140
1B-330
up to 1B-335
1B-520
up to 1B-720
1B-835
up to 1B-860

Hook lever lock m.s. zinc plated:	
Hook lever	1000-U12
Locking pin	1000-49
Stabilizer	1000-48



EDELSTAHL Rostfrei® STAINLESS STEEL

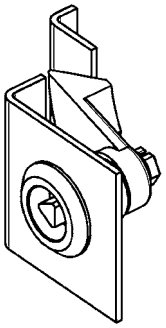
Slam cam

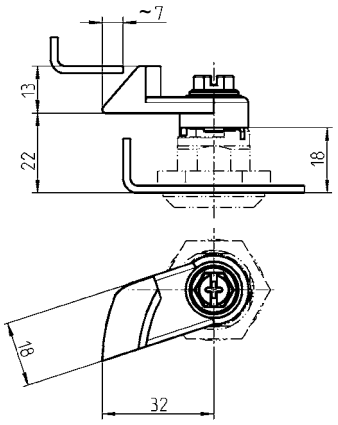
Spring loaded with slam effect

Note:
Slam cam is designed for quarter turn with GH = 18!
Other dimensions GH on request.

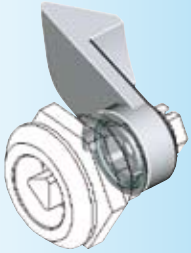
The wave washer (delivered with the insert) has to be replaced by the enclosed spacer.

With the following slam cams IP 54 up to IP 69K is unpossible!
Article-no:
1000-U235-N
1000-U235-NPH
1000-U236-N
1000-U236-NPH





right

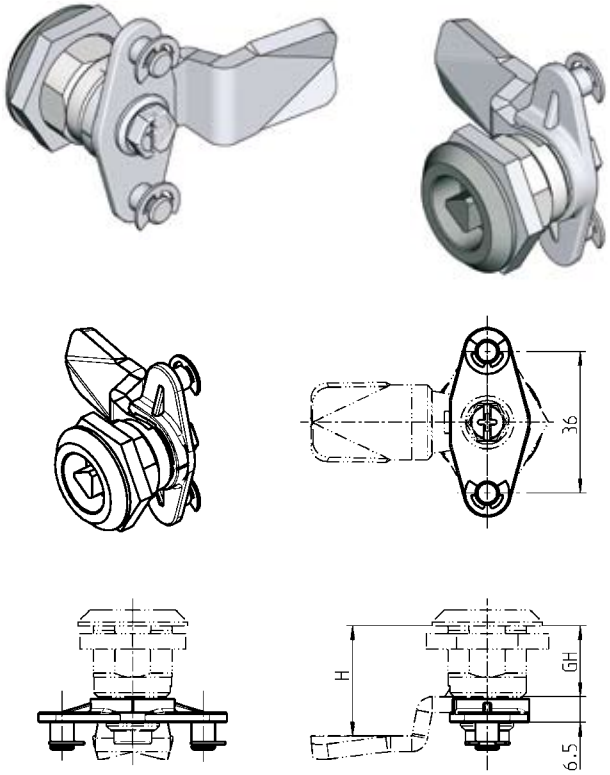


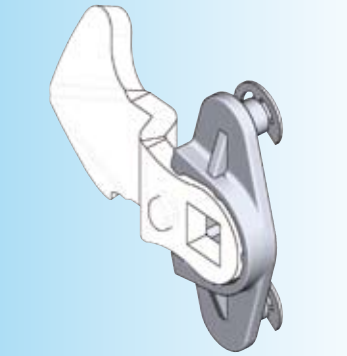
Slam cam zinc die chrome plated, spacer, screw m.s. zinc plated		
for quarter turn see catalogue page	**RH**	**LH**
1B-120, 1B-140, 1B-360, 1B-830, 1B-835, 1B-860	1000-U235-N	1000-U236-N
1B-420 up to 1B-680	1000-U315-N	1000-U316-N
Slam cam AISI 316, spacer, screw stainless steel		
1B-120, 1B-140, 1B-360, 1B-830, 1B-835, 1B-860	1000-U235-NPH	1000-U236-NPH

Rod control, internal handle

PROGRAM 1000

Rod control for steel cam or rather stainless steel cam





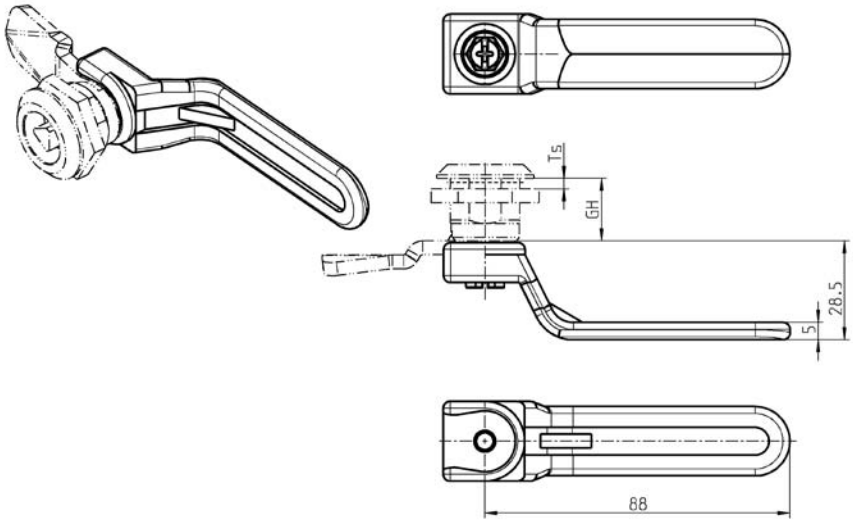
Note:
The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)

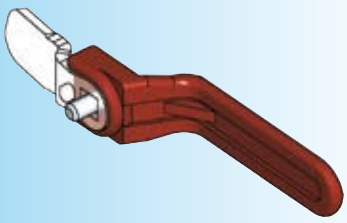
Further parts see page

– Rod		1C-620
– Cam		1C-120
		1C-140
– Quarter turn		1B-120
		1B-140
		1B-320
	up to	1B-360
		1B-520
	up to	1B-720
		1B-820
	up to	1B-860

Rod control zinc die, zinc plated, circlip m.s. zinc plated	
	1000-U776
Rod control AISI 316, stainless steel	
	1000-U776-PH

Internal handle for cams





Note:
The H-dimension will be reduced by 2 mm when used with finger pull (see page 1C-320)

Further parts see page

– Cam		1C-120
		1C-130
– Quarter turn		1B-120
		1B-140
		1B-360
	(non locking)	1B-520
	ut to (without lock)	1B-580
		1B-720
		1B-830
		1B-835
		1B-860

Internal handle polyamide red, screw m.s. zinc plated, (cannot be used for lockable quarter turns)

GH	Ts 1,5-	M6x	Part no.
18	8	16	1000-U681
30	20	25	1000-U682
36	26	30	1000-U683
40	30	40	1000-U684
50	40	50	1000-U685
60	50	55	1000-U686

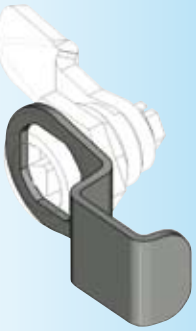
EMKA®

Beschlagteile

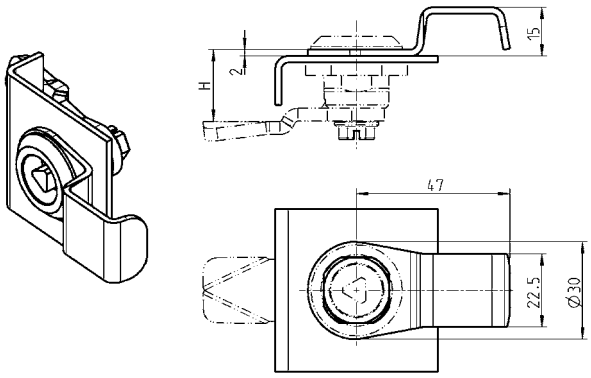
Finger pull, dust cap

PROGRAM 1000

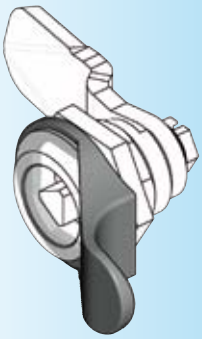
RL IP 65

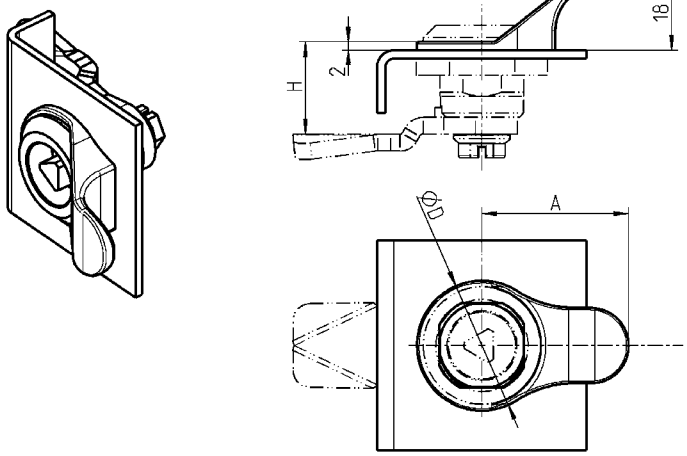


Attention:
The H-dimesion will be reduced by 2 mm with the finger pull installed.

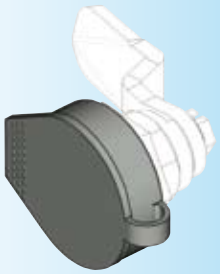


Finger pull m.s. black powder coated	
	1000-359
IP 65 with:	
Flat seal	1000-23

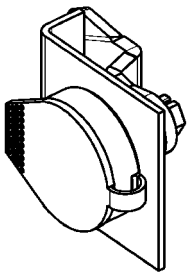


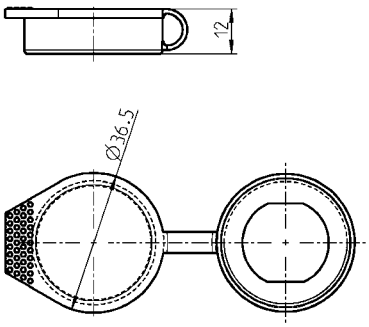


Finger pull polyamide GF black		
for housing with head diameter Ø 28	; D = 31, A = 35	1000-358
for housing with head diameter Ø 30 and 32	; D = 35, A = 36	1000-358-01
IP 65 with:		
Flat seal		1000-23



Attention:
The H-dimension will be reduced by 2 mm with this dust cap installed.



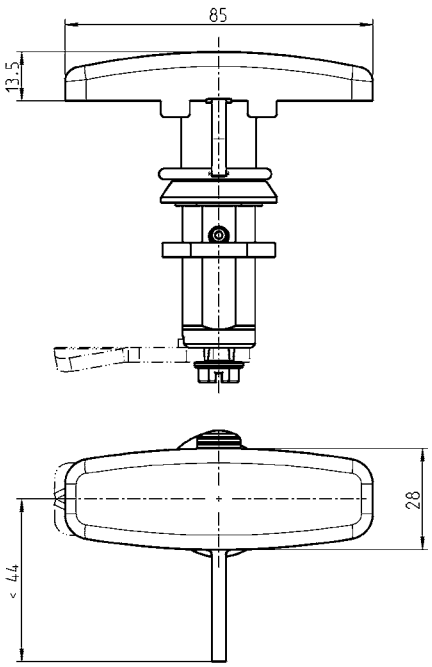


Dust cap polyethylene black	
	1000-97-01

Further parts see page
– Quarter turns 1B-120 up to 1B-222, 1B-235 up to 1B-335, 1B-360, 1B-420, 1B-840, 1B-860

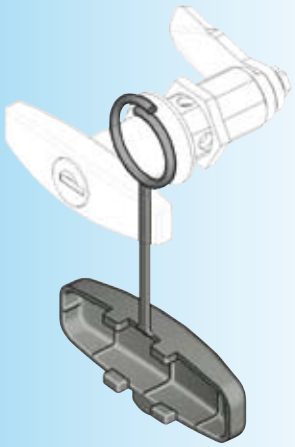
Dust cap for t-handle, slam latch

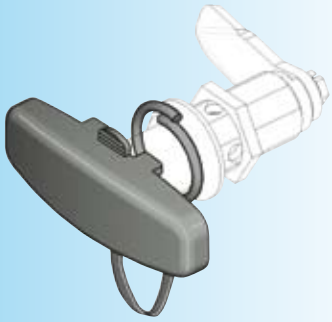
PROGRAM 1000



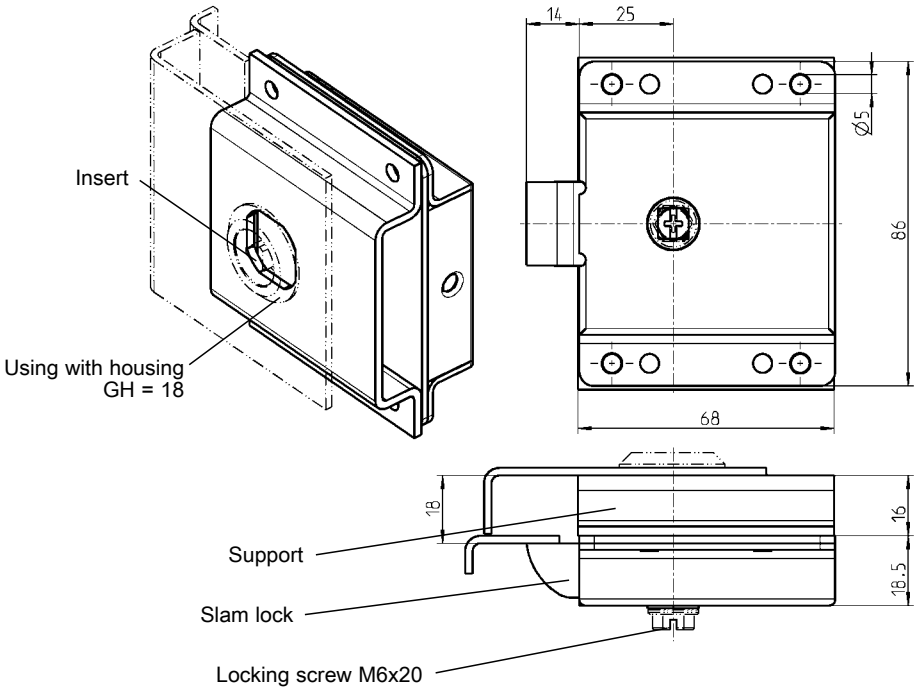
Also suitable for:

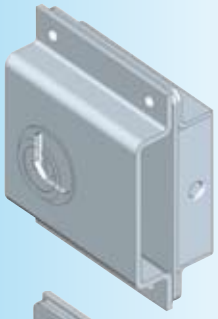
- Program 1000 (see page 1B-560)
- Program 1102 (see page 2A-140)
- Program 1005 (see page 2B-160)
- Program 1125 (see page 3B-180)
- Program 1225 (see page 3G-180)
- Program 2100 (see page 3H-220)

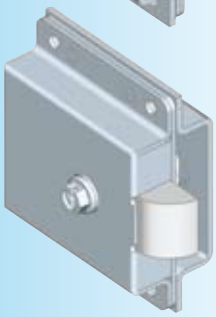




T-Handle-cap polypropylene black	
	1000-460







Slam latch m.s. zinc pl., zinc die raw and spring steel Support and vibration proof screw m.s. zinc plated	
Slam lock	1034-U1
Support	1034-03
Locking screw M6x20	1000-277-04JB

Further parts see page

– Quarter turn	1B-120
	1B-140
	1B-330
up to	1B-335
	1B-520
up to	1B-680
	1B-835
up to	1B-860

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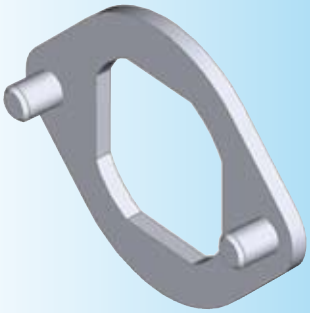
Rotation prevention

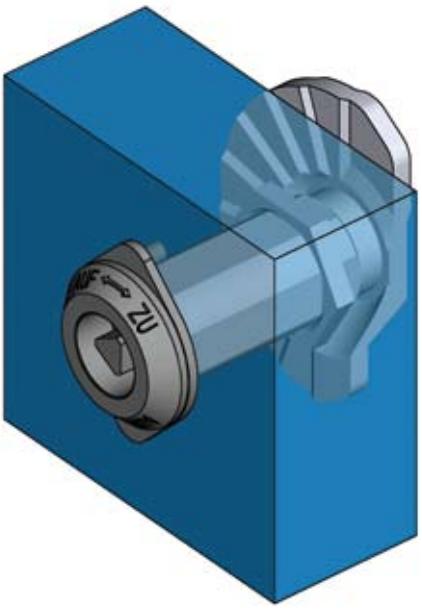
PROGRAM 1000

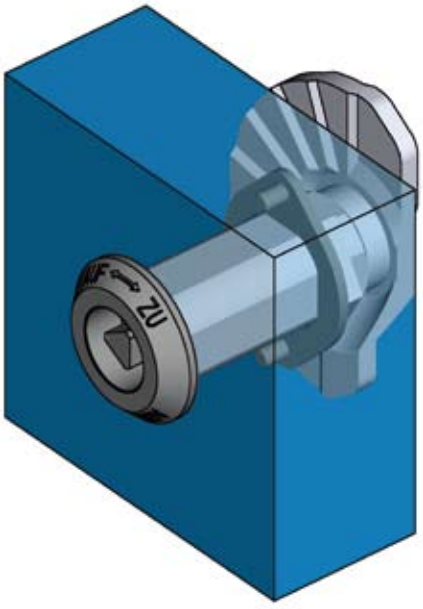
RL

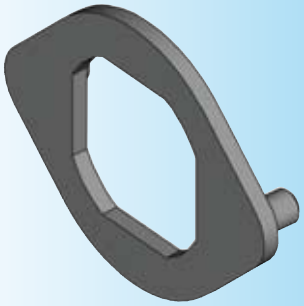
Front mounted door device for preventing rotation, mounted under the housing head.

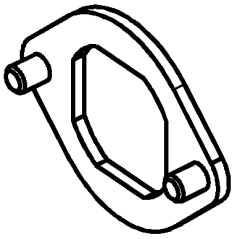
Rear mounted door device for preventing rotation, mounted under the nut.

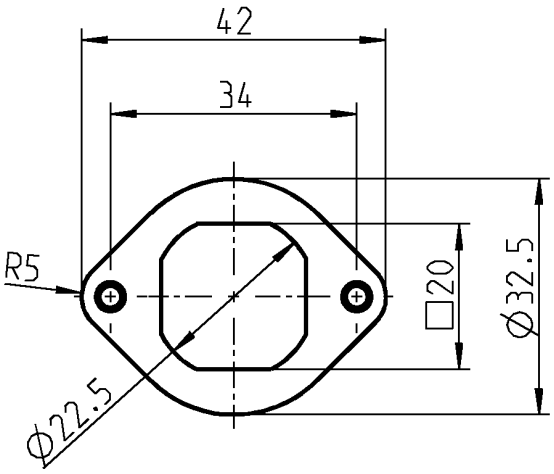


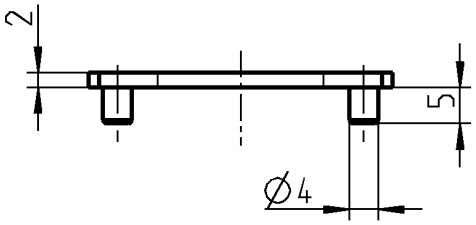












Note:
The H-dimension will be reduced by 2mm when used with this device for preventing rotation.

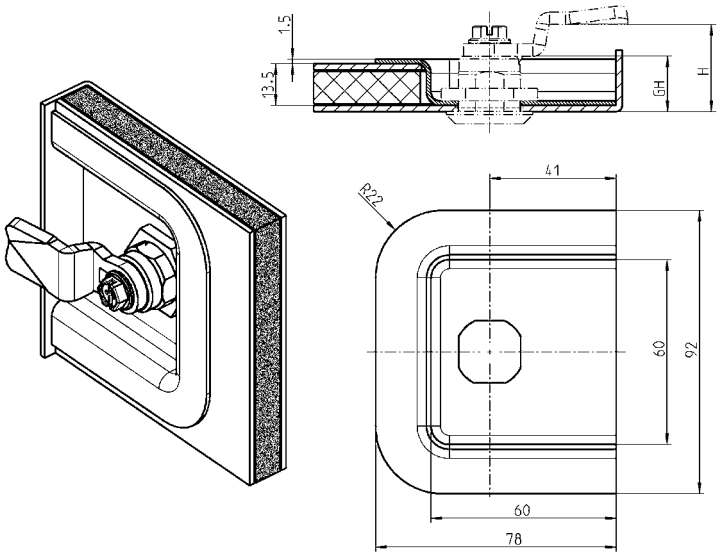
Further parts see page

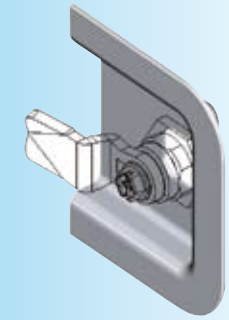
– Quarter turns	1B-120
	1B-140
	1B-220
up to	1B-335
	1B-360
up to	1B-720
	1B-830
up to	1B-860

Device for preventing rotation zinc die, surface as requested	
black powder coated	1000-456-AA
zinc plated	1000-456-JB

Dish

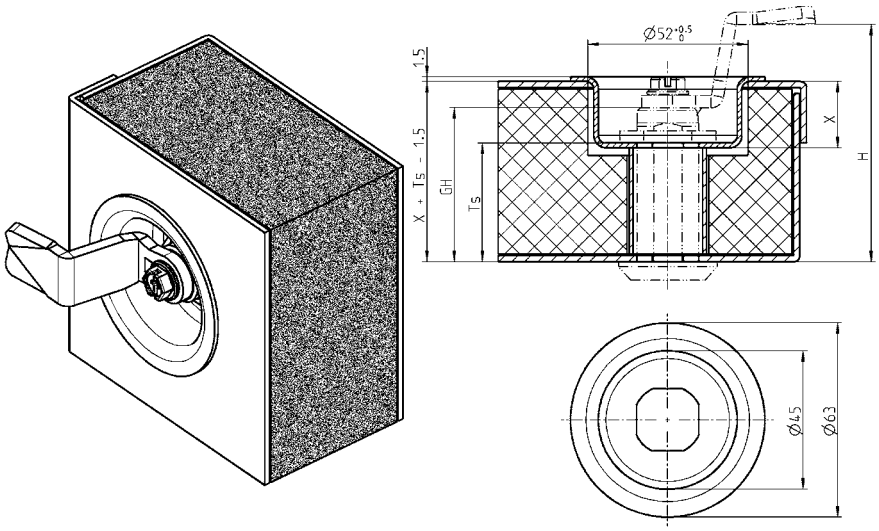
PROGRAM 1000

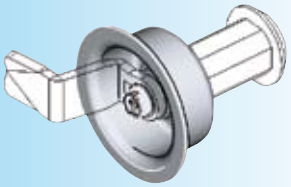




Dish m.s. zinc plated	
	1000-94

Dish to decrease the door thickness in conjunction with quarter turns for insulated doors or to align cut outs for quarter turns.





Dish m.s. zinc plated	
Dimension X	
10,5 mm	1000-264
17,5 mm	1000-265
21,5 mm	1000-266

Further parts see page

– Quarter turn		1B-120
		1B-140
		1B-220
	up to	1B-235
		1B-320
	up to	1B-335
		1B-360
	up to	1B-720
		1B-830
	up to	1B-860

Rods

PROGRAM UNIVERSAL

Minimum order quantity: 200 pieces
Lower quantities on request

Round rod
in fixed lengths

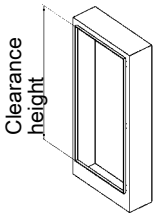
Program 1000

How to find dim. L
when pivot point is central

with adapter $\frac{\text{Clearance height - 40}}{2}$

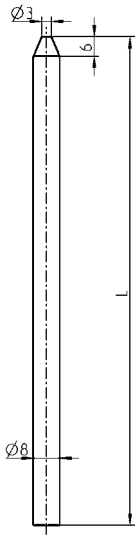
with eye $\frac{\text{Clearance height - 12}}{2}$

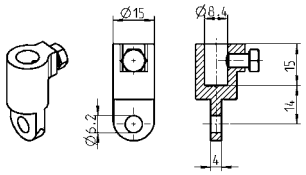
L ≤ 1200



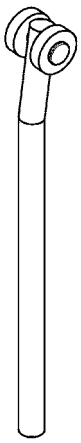
Order example: Partnumber for rod with rollers and a length L of 1034 mm = 1049-U18-L 1034

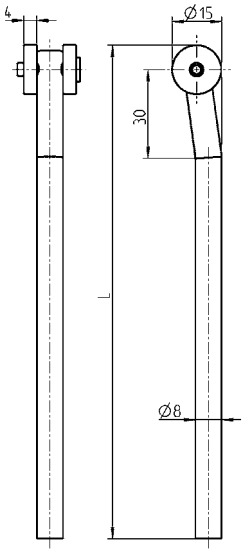


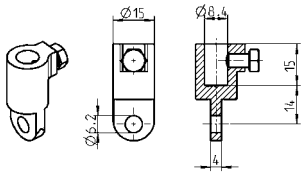




Chamfered end m.s. zinc pl.		
1049-19-L mm		
(1049-19-01 to -17 see price list)		
adapter	**zinc die, m.s. z.pl.**	**AISI 303**
	1000-U49	1000-U141

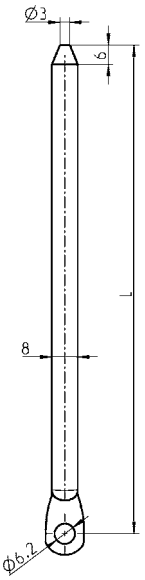




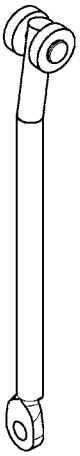


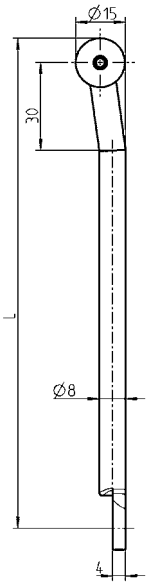
m.s. zinc pl., with rollers polyamide black		
1049-U18-L mm		
(1049-U18-01 to -17 see price list)		
adapter	**zinc die, m.s. z.pl.**	**AISI 303**
	1000-U49	1000-U141





with eye and pointed end, m.s. zinc pl.
1000-211-L mm
(1000-211-01 bis -17 see price list)





with eye m.s. zinc pl. with rollers polyamide black (not suitable for program 1121 and 2121)
1000-U144-L mm
(1000-U144-01 to -17 see price list)

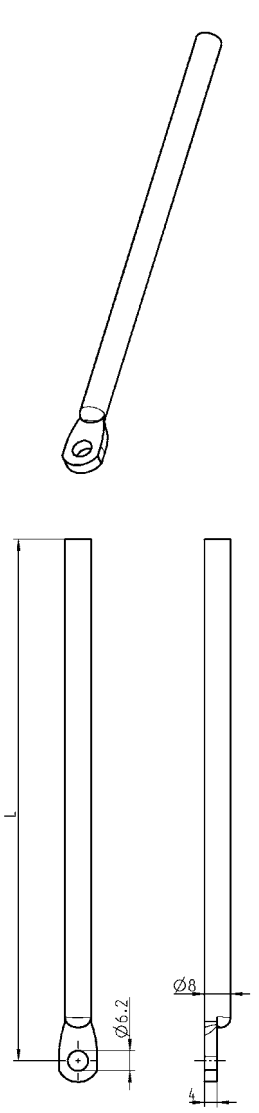
with eye AISI 304 and rollers polyamide black (not suitable for program 1121 and 2121)
1000-U538-L mm
(1000-538-01 to -09 see price list

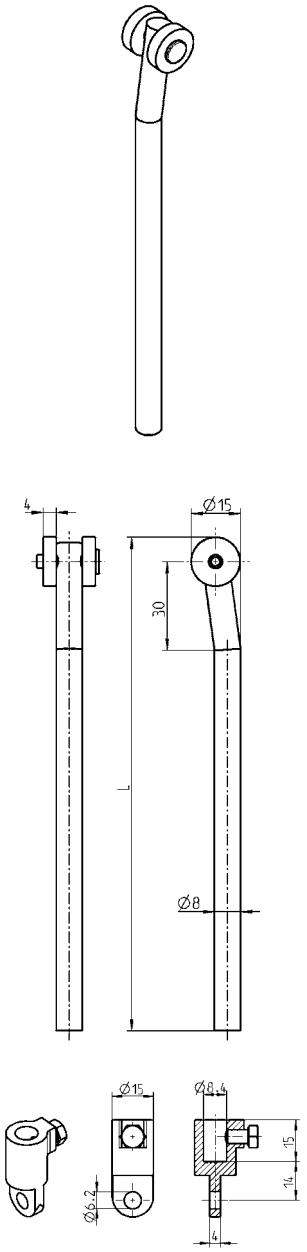
Round- and square rods in available lengths

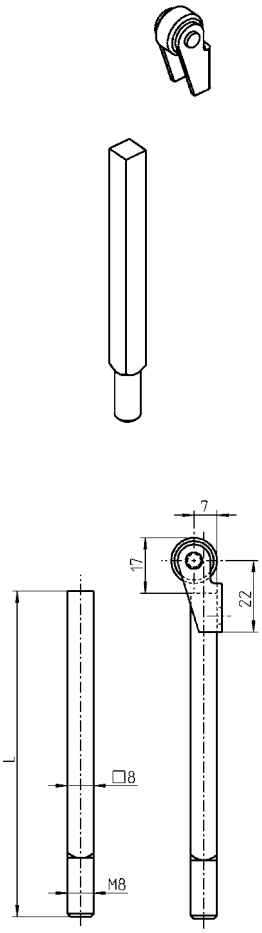
EDELSTAHL Rost frei STAINLESS STEEL

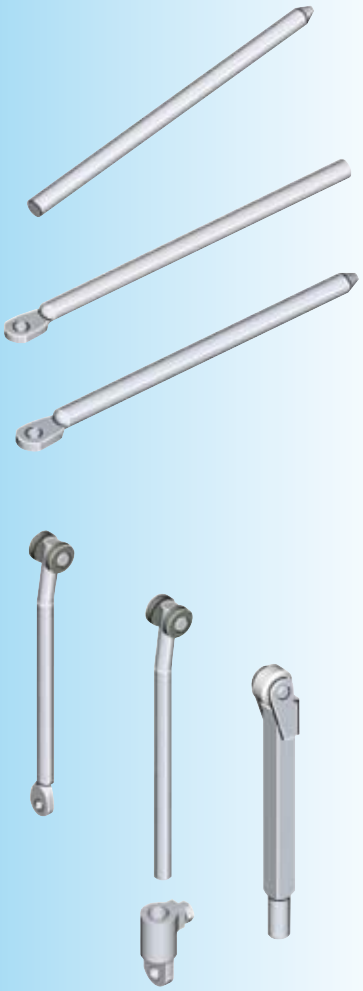
RL

INOX AISI 3..









Round rod with eye, m.s. zinc plated	
L in mm	
400	1000-33
500	1000-34
600	1000-35
700	1000-36
800	1000-37
900	1000-38
1000	1000-39
1100	1000-114
1200	1000-115

Round rod m.s zinc pl. or AISI 304 with rollers polyamide black		
L in mm	m.s. z.pl.	AISI 304
600	1049-U3	1049-U12
700	1049-U4	1049-U13
800	1049-U5	1049-U14
900	1049-U6	1049-U15
1000	1049-U7	1049-U16
1100	1049-U8	1049-U17
1200	1049-U9	–
adapter	zinc die, m.s. z.pl.	AISI 303
	1000-U49	1000-U141

Square rod m.s. zinc pl. suitable for catalogue page 2B-120	
L in mm	
600	1001-11
700	1001-12
800	1001-13
900	1001-14
1000	1001-15
1100	1001-16
1200	1001-17
Roller unit m.s. zinc pl., roller polyamide white	
–	1019-U1

Further parts see page

– Cam 1C-120, 1C-130, 1C-220
– Rod control 2A-120, 2B-120 up to 2B-140
– Rod guide 1C-640

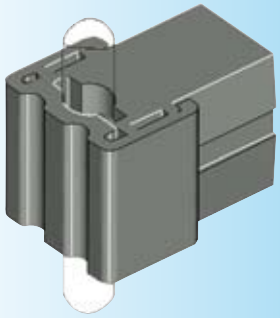
EMKA®

Beschlagteile

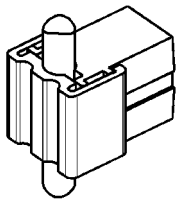
Rod guide

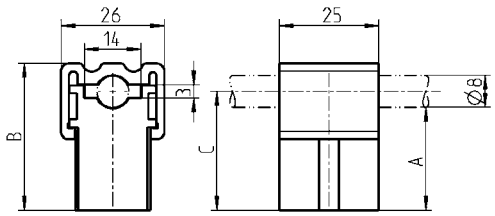
PROGRAM UNIVERSAL



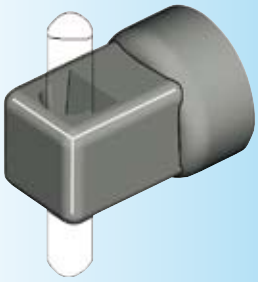


For round and flat rods

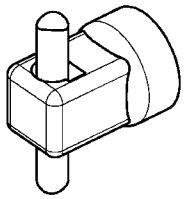


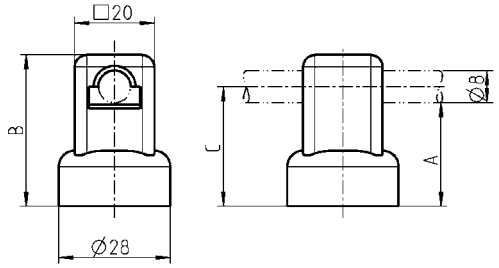


Rod guide polyamide black				
A	B	C	for weld stud	
20	31	24	M6x12 - 20	1001-U40
26	37	30	M6x12 - 20	1001-U41

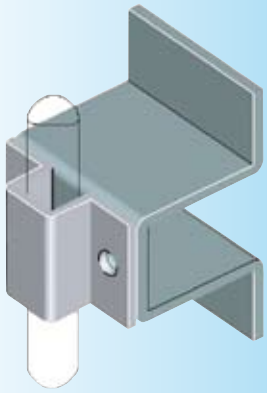


For round rods

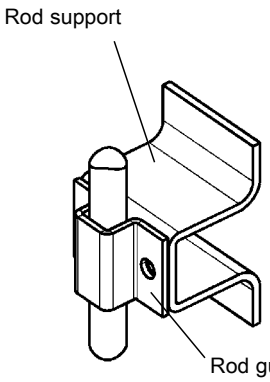


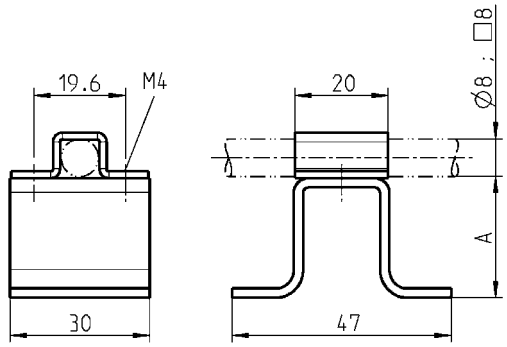


Rod guide polyamide black with acorn nut m.s. zinc pl.				
A	B	C	for weld stud	
20	32	24	M6x16	1001-U11
26	38	30	M6x20	1001-U12



For round- and square rods

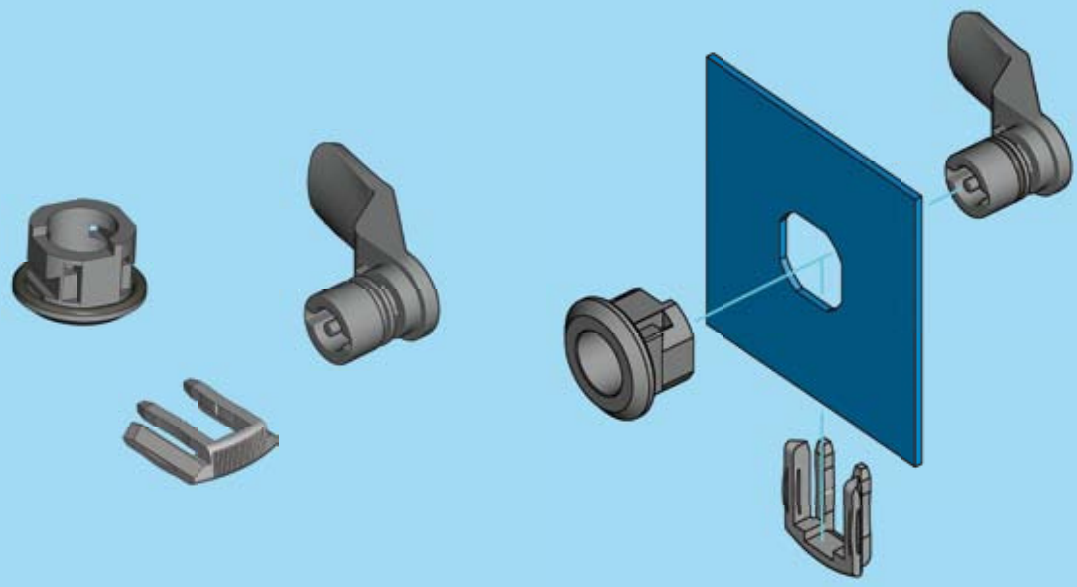


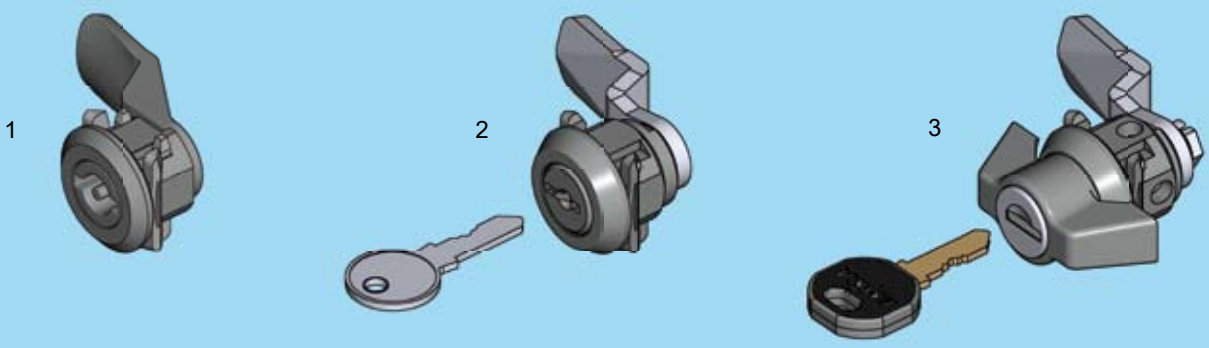


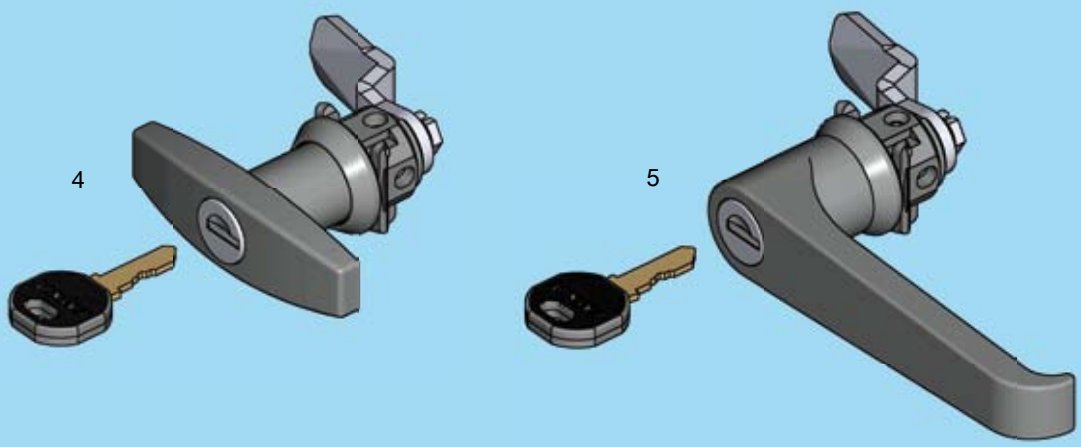
Rod guide m.s. zinc pl.	
	1001-22
Rod support m.s. raw	
A = 20	1001-20
A = 26	1001-21

Further parts see page
– Rod 1C-620
8A-360

Quarter turn clip fix
Program 1500



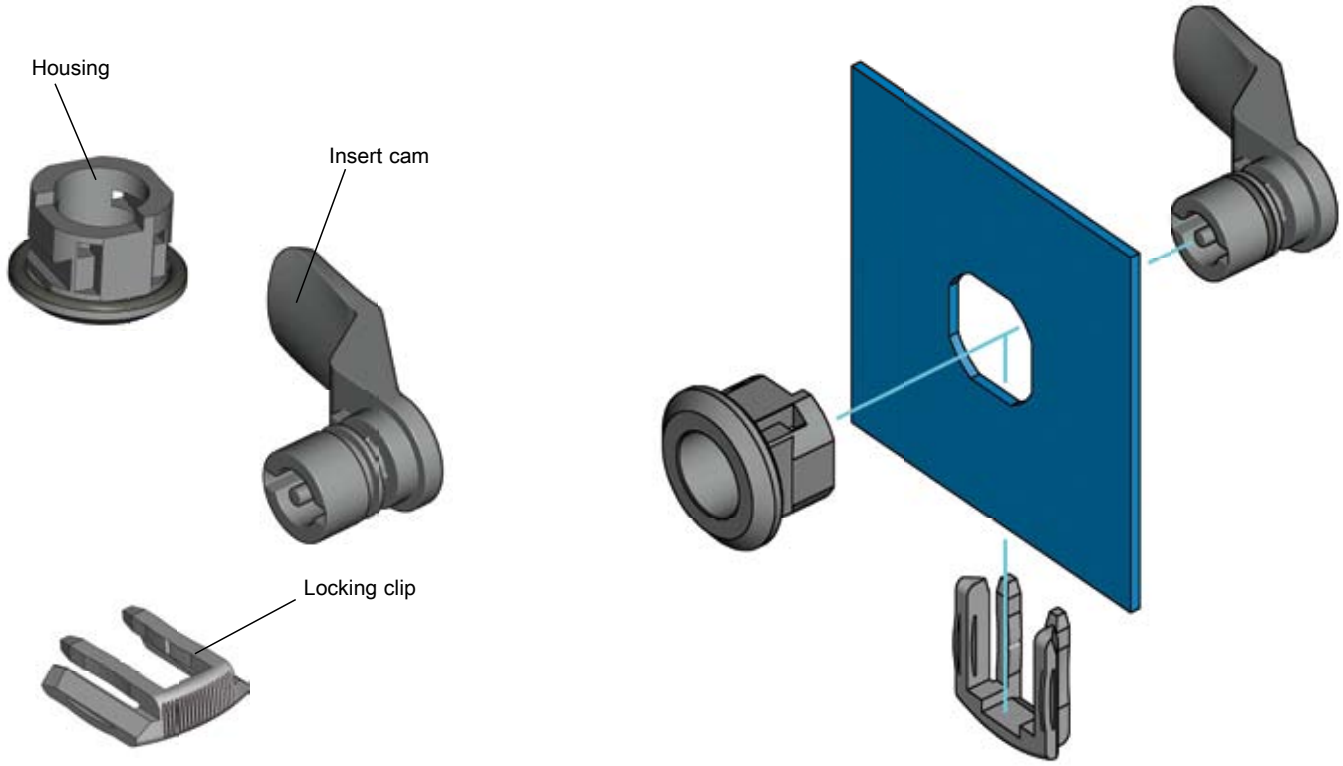




1	Quarter turn with insert cam	1D-140
2	Quarter turn with cylinder	1D-240
3	Wing knob	1D-320
4	T-Handle	1D-330, 1D-340
5	L-Handle	1D-350

Quarter turn; three piece, clip fix

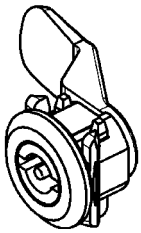
PROGRAM 1500

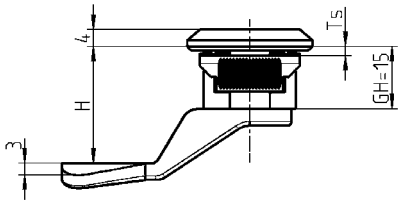


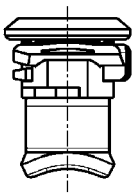
Housing polyamide GF black	
without seal	1500-01
with seal	1500-01-G
Locking fork polyamide GF colour according to article	
Ts = 1.0 - 1.5 pebble grey	1500-02-10
Ts = 1.5 - 2.0 black	1500-02-15
Ts = . . .	

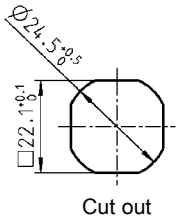
Insert / Cam polyamide GF black, with and without O-ring, IP 65 is achieved by O-ring

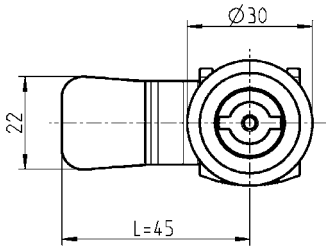
	H = 18		H = 22		H = 24	
	without O-ring	with O-ring	without O-ring	with O-ring	without O-ring	with O-ring
Square 6	on request	on request	on request	on request	on request	on request
Square 7	1500-136-H18	1500-B136-H18	1500-136-H22	1500-B136-H22	on request	on request
Square 8	1500-140-H18	1500-B140-H18	1500-140-H22	1500-B140-H22	on request	on request
Square 8 slotted	on request	on request	on request	on request	on request	on request
Triangular 6,5 CNOMO	on request	on request	on request	on request	on request	on request
Triangular 7	on request	on request	on request	on request	on request	on request
Triangular 8	1500-152-H18	1500-B152-H18	1500-152-H22	1500-B152-H22	on request	on request
Triangular 9	on request	on request	on request	on request	on request	on request
Triangular 10	on request	on request	on request	on request	on request	on request
Double bit 3	1500-156-H18	1500-B156-H18	1500-156-H22	1500-B156-H22	on request	on request
Double bit 5	1500-160-H18	1500-B160-H18	1500-160-H22	1500-B160-H22	on request	on request
Hexagon female 10mm	on request	on request	on request	on request	on request	on request
Square female 6mm	on request	on request	on request	on request	on request	on request
Square female 7	on request	on request	on request	on request	on request	on request
Square female 8	on request	on request	on request	on request	on request	on request
Daimler Benz	on request	on request	on request	on request	on request	on request
Slot 1,2 x 3	on request	on request	on request	on request	on request	on request
Slot 2 x 4	1500-177-H18	1500-B177-H18	1500-177-H22	1500-B177-H22	on request	on request
Slot 2 x 4 coinproof	on request	on request	on request	on request	on request	on request





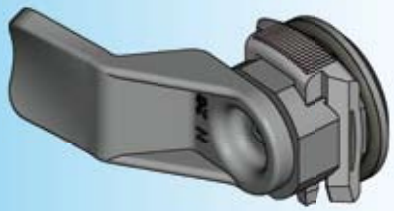












H = 28		H = 30		
without O-ring	with O-ring	without O-ring	with O-ring	
on request	on request	on request	on request	
1500-136-H28	1500-B136-H28	1500-136-H30	1500-B136-H30	
1500-140-H28	1500-B140-H28	1500-140-H30	1500-B140-H30	
on request	on request	on request	on request	
on request	on request	on request	on request	
on request	on request	on request	on request	
1500-152-H28	1500-B152-H28	1500-152-H30	1500-B152-H30	
on request	on request	on request	on request	
on request	on request	on request	on request	
1500-156-H28	1500-B156-H28	1500-156-H30	1500-B156-H30	
1500-160-H28	1500-B160-H28	1500-160-H30	1500-B160-H30	
on request	on request	on request	on request	
on request	on request	on request	on request	
on request	on request	on request	on request	
on request	on request	on request	on request	
on request	on request	on request	on request	
on request	on request	on request	on request	
1500-177-H28	1500-B177-H28	1500-177-H30	1500-B177-H30	
on request	on request	on request	on request	

Note:
Further insert cams with other inserts or other H- and L-dimensions on request

Further parts see page
– Key 12B-120

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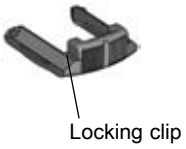
Beschlagteile

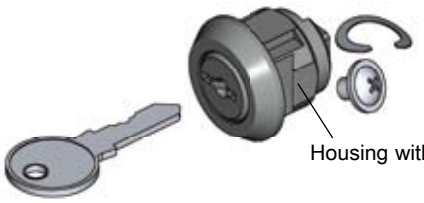
Cylinder quarter turn clip fix

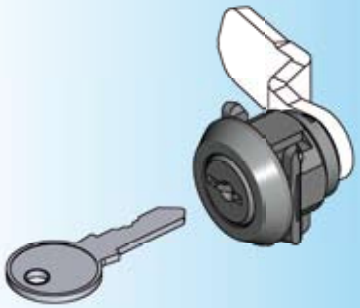
PROGRAM 1500



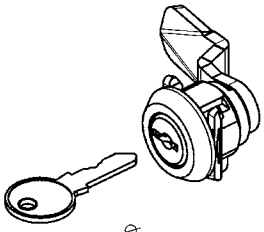


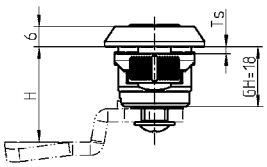


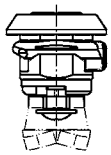


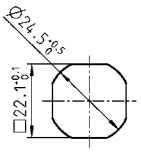




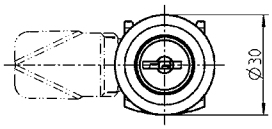








Cut out



Housing and round cylinder polyamide GF black, screw zinc plated. Each round cylinder has one key m.s. nickel plated. Key removable in both positions.	
keyed EK 333	1500-U18
keyed different	1500-U19
Locking fork polyamide GF colour according to article	
Ts = 1.0 - 1.5 colour pebble grey	1500-05-10
Ts = 1.5 - 2.0 colour black	1500-05-15

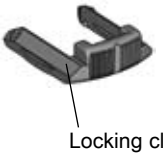
Further parts see page

– Cam (GH=18)	1C-120 1C-140
(without 2-point rod control)	1C-160
– Spare key	12B-140

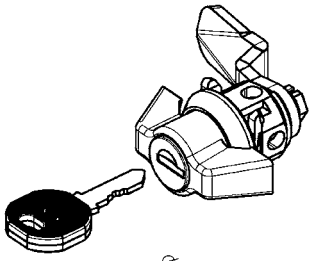
Wingknob quarter turn clip fix

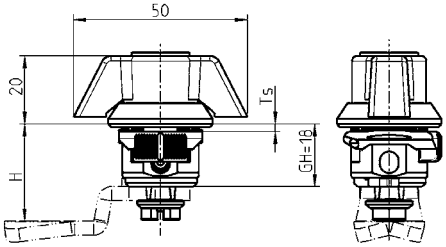
PROGRAM 1500

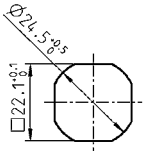




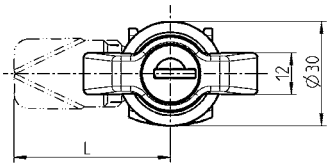








Cut out



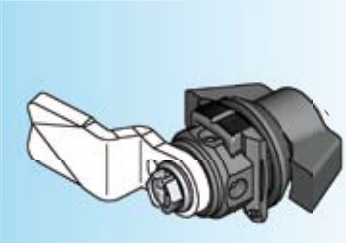












Handle polyamide GF black / zinc die, housing polyamide GF black, round cylinder zinc die with stainless steel cap and dust cap, srew m.s. zinc plated, with seal. Each round cylinder has one key made of silver steel with polyamide GF grip black. Key removable in both position.	
non locking	1500-U343
keyed EK 333	1500-U345
keyed different	1500-U347
Locking fork polyamide GF colour according to article	
Ts = 1.0 - 1.5 colour pebble grey	1500-05-10
Ts = 1.5 - 2.0 colour black	1500-05-15

Further parts see page
– Cam (GH=18) 1C-120, 1C-140, 1C-160
– Spare key 12B-140

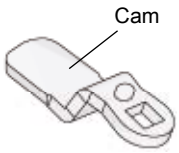
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Beschlagteile

T-handle quarter turn, small, clip fix

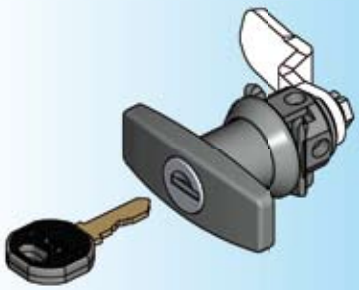
PROGRAM 1500

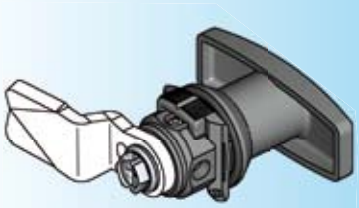


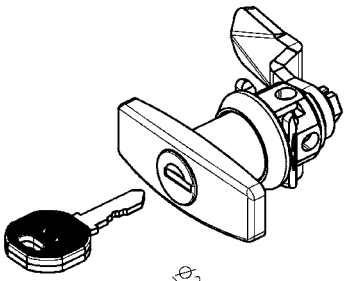


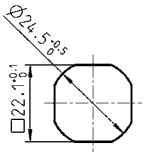




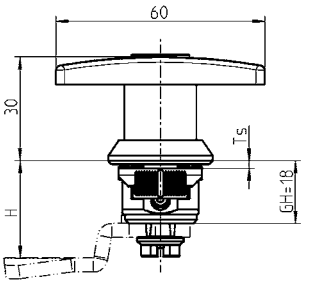


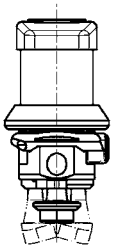


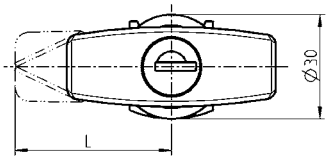




Cut out





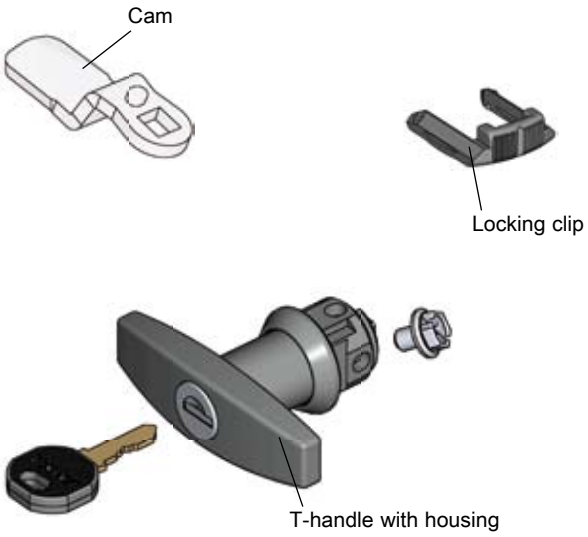


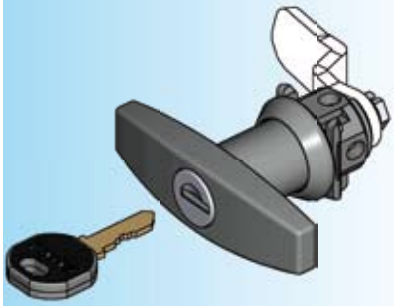
Handle polyamide GF black / zinc die, housing polyamide GF black, round cylinder zinc die with stainless steel cap and dust cap, srew m.s. zinc plated, with seal. Each cylinder has one silver steel key with polyamide GF grip black. Key removable in both position.	
non locking (IP 40)	1500-U775
keyed EK 333 (IP 65)	1500-U773
keyed different (IP 65)	1500-U774
Locking fork polyamide GF colour according to article	
Ts = 1.0 - 1.5 colour pebble grey	1500-05-10
Ts = 1.5 - 2.0 colour black	1500-05-15

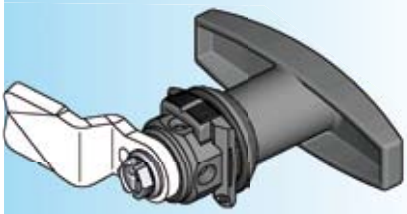
Further parts see page
– Cam (GH=18) 1C-120, 1C-140, 1C-160
– Spare key 12B-140

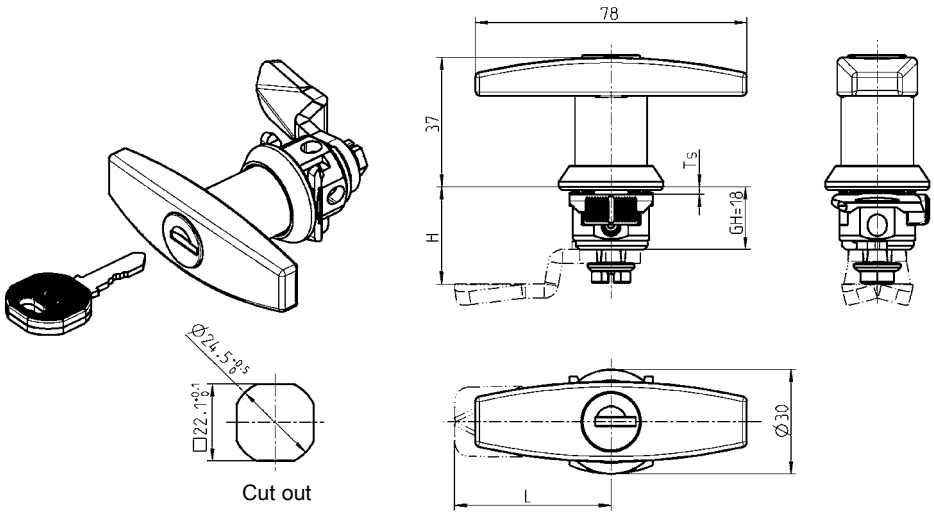
T-handle quarter turn, clip fix

PROGRAM 1500









Handle polyamide GF black / zinc die, housing polyamide GF black, round cylinder zinc die with stainless steel cap and dust cap, srew m.s. zinc plated, with seal. Each round cylinder has one key made of silver steel with grip polyamide black. Key removable in both position.	
non locking	1500-U546
keyed EK 333	1500-U548
keyed different	1500-U550
Locking fork polyamide GF colour according to article	
Ts = 1.0 - 1.5 colour pebble grey	1500-05-10
Ts = 1.5 - 2.0 colour black	1500-05-15

Further parts see page
– Cam (GH=18) 1C-120, 1C-140, 1C-160
– Spare key 12B-140

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L-Handle clip fix

PROGRAM 1500

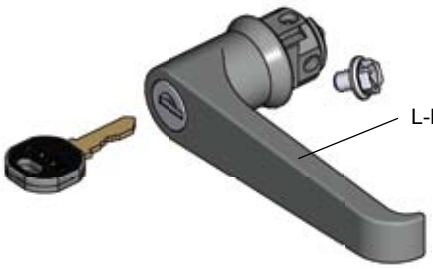


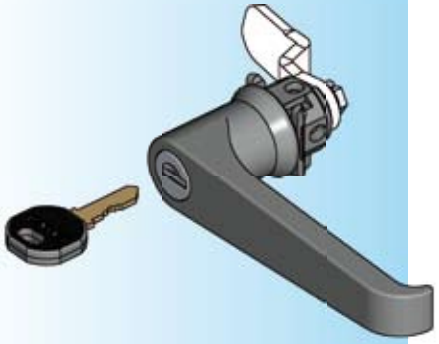


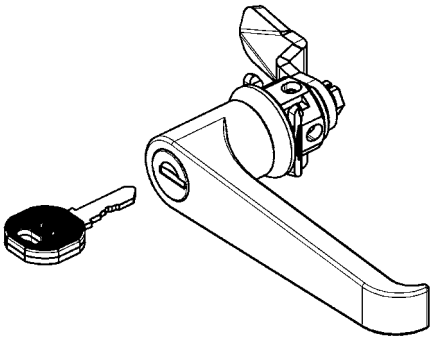
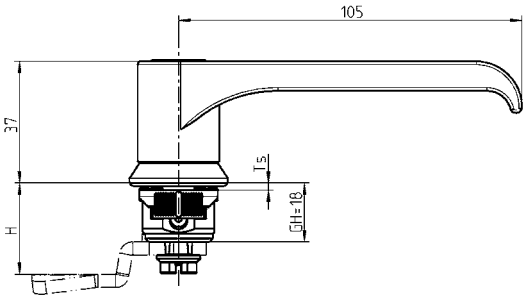


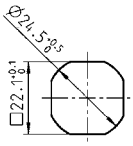


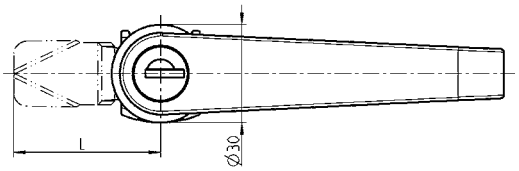


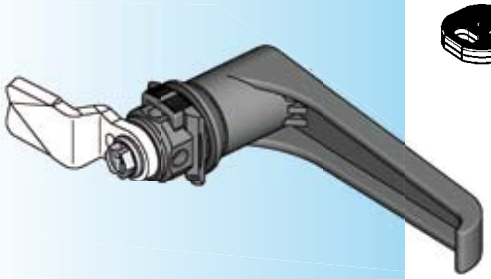







Cut out




Handle polyamide GF black / zinc die, housing polyamide GF black, round cylinder zinc die with stainless steel cap and dust cap, srew m.s. zinc plated, with seal. Each cylinder has one silver steel key with polyamide GF grip black. Key removable in both position.	
non locking	1500-U570
keyed EK 333	1500-U572
keyed different	1500-U574
Locking fork polyamide GF colour according to article	
Ts = 1.0 - 1.5 colour pebble grey	1500-05-10
Ts = 1.5 - 2.0 colour black	1500-05-15

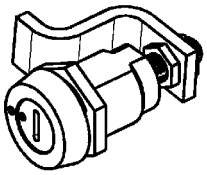
Further parts see page
– Cam (GH=18) 1C-120, 1C-140, 1C-160
– Spare key 12B-140

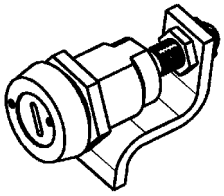
Compression latch

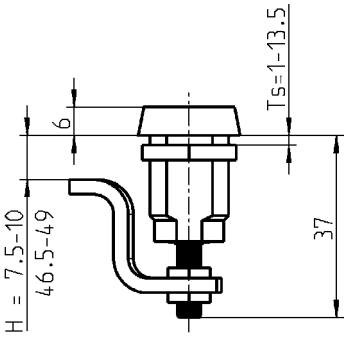
PROGRAM 1022

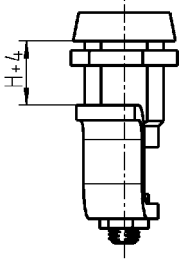
vibration proof

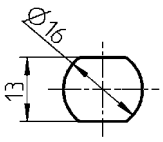
These latches are designed to be vibration resistant with a distinct “over-center” action. There may be some cases of extreme vibration where this detent is overcome. Therefore we recommend rigorous testing.



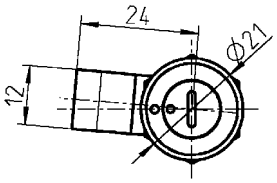


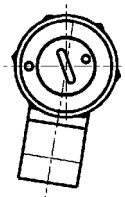


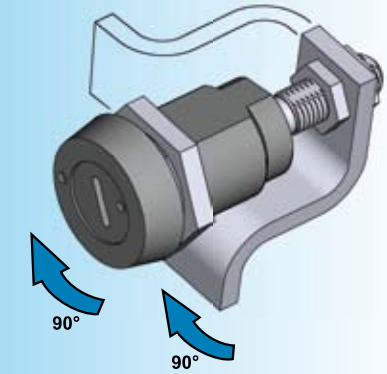




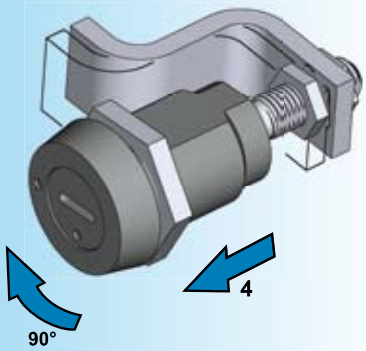
Cut out



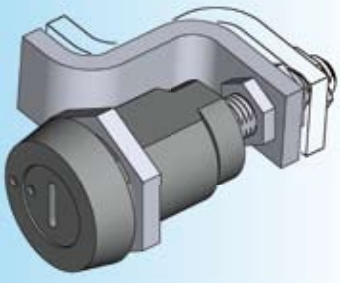




Open condition
The first 90° of rotation of the insert also turns the cam 90°.



Closed position
If you continue with rotating the insert by another 90° the cam is moved by 4 mm in axial direction.



Compressed condition

Unlock:
Reversed rotation

Quarter turn zinc die black powder coated, nut m.s. zinc plated	
	1022-U86

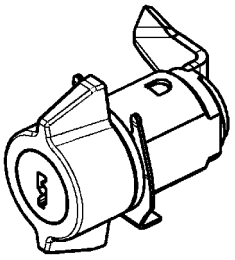
EMKA®

Beschlagteile

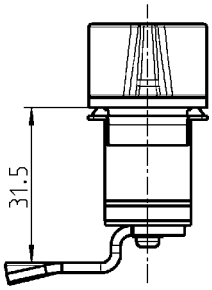
Wing knob

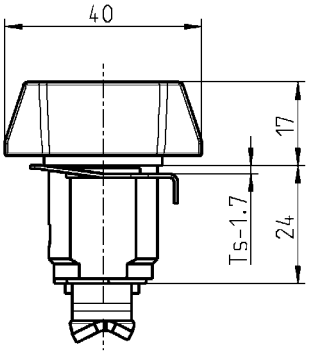
PROGRAM 1000

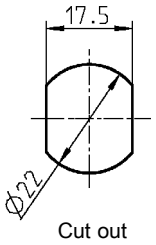
RL IP 40



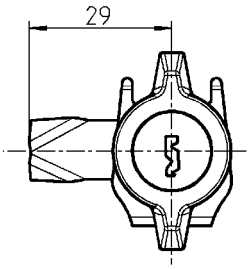








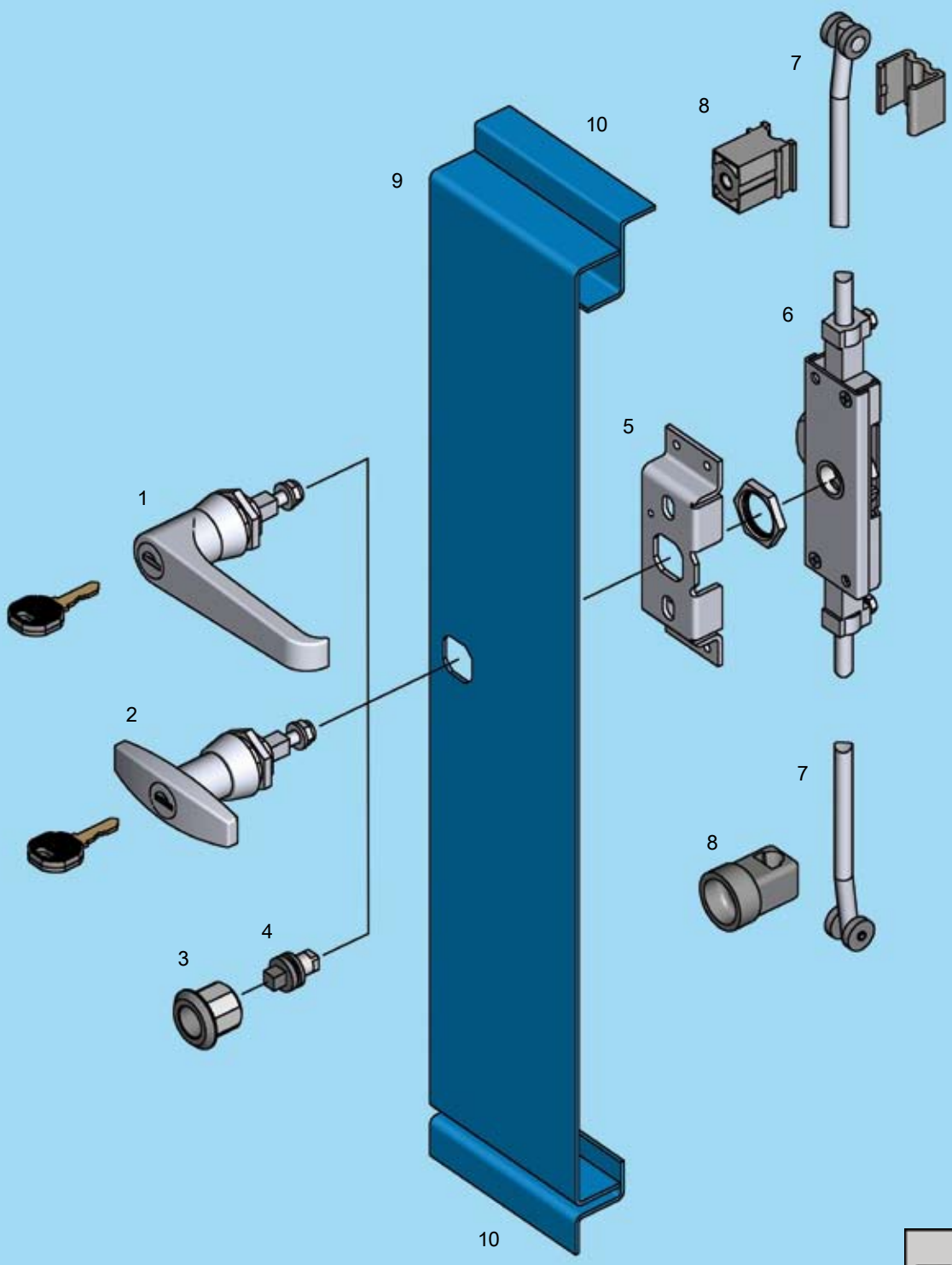
Cut out



Wingknob quarter turn zinc die silver, screw and spring m.s. zinc plated.
Each round cylinder has two keys silver steel

	1000-U836

Latches for heavy duty
Screw-on

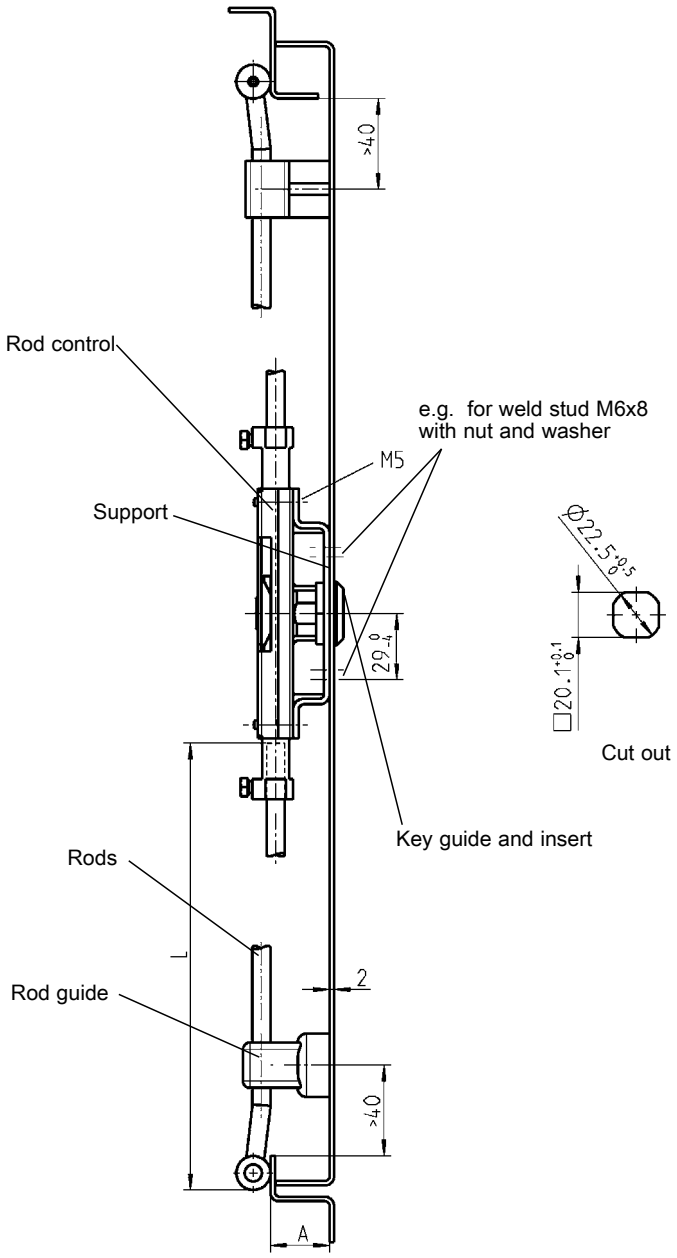


1	L-Handle	2A-140
2	T-Handle	2A-140
3	Key guide	2A-120
4	Insert	2A-120
5	Support	2A-120
6	Rod control	2A-120
7	Rods	
8	Rod guide	
9	Door	
10	Cabinet/frame	

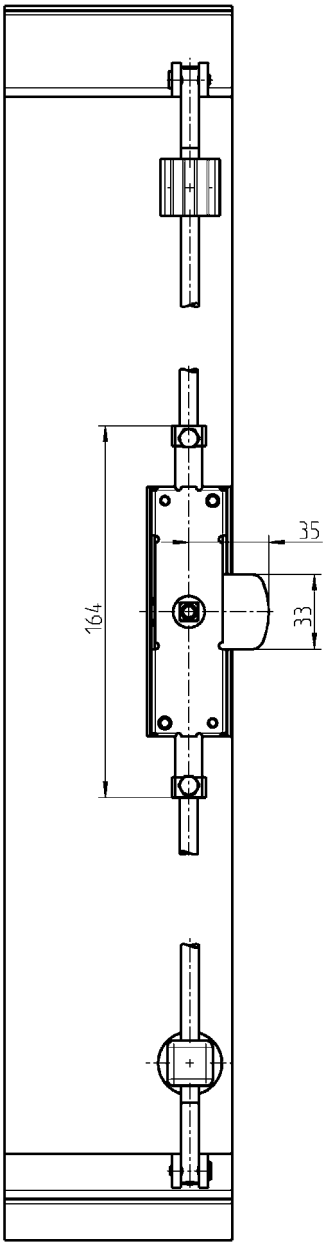
3 point latches and inserts

PROGRAM SCREW ON

Stroke 13 mm
or stroke 18 mm



Cut out



RH-version pictured

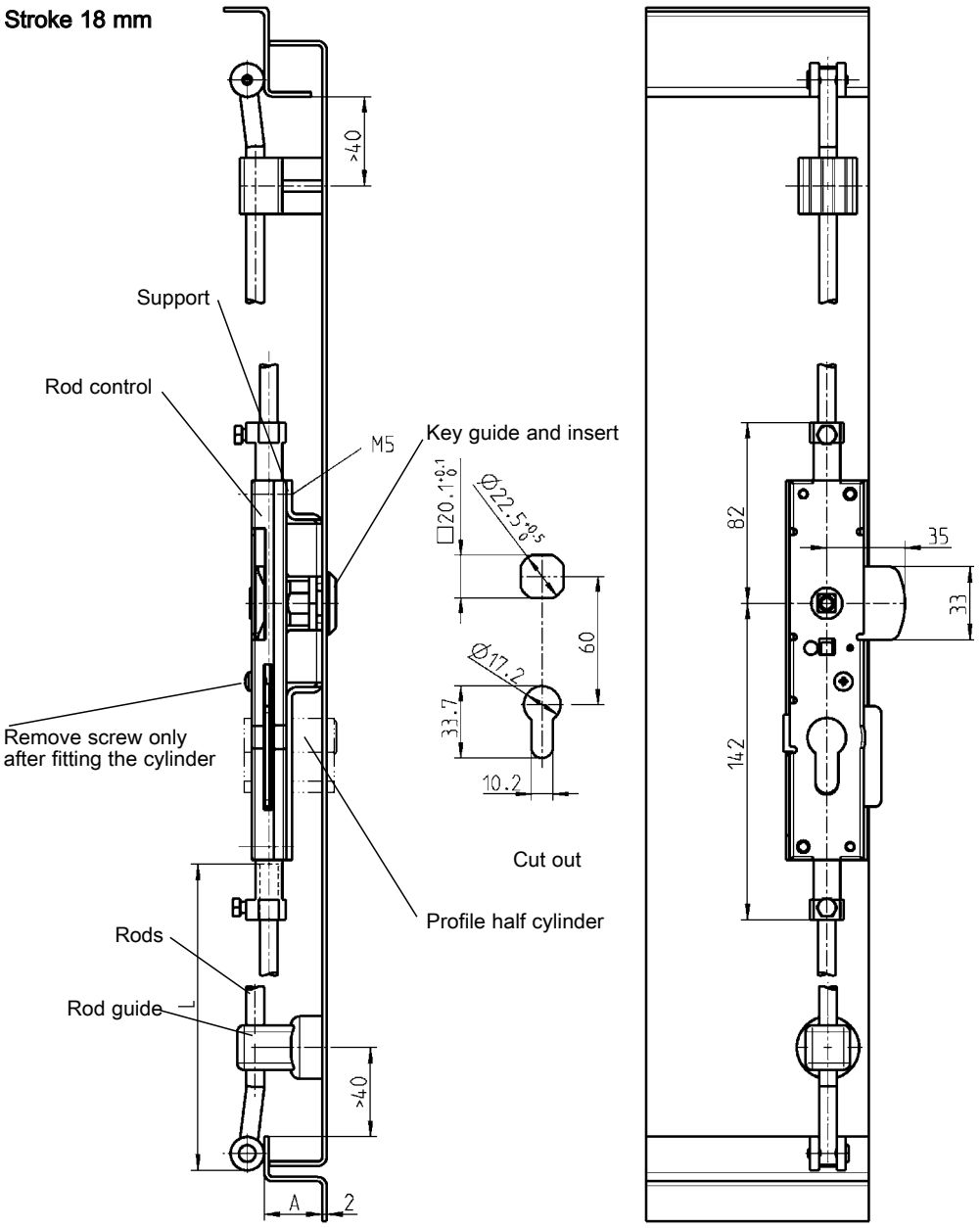
Dimensions of latches and
other versions see catalogue
pages 2B-120 to 2B-140

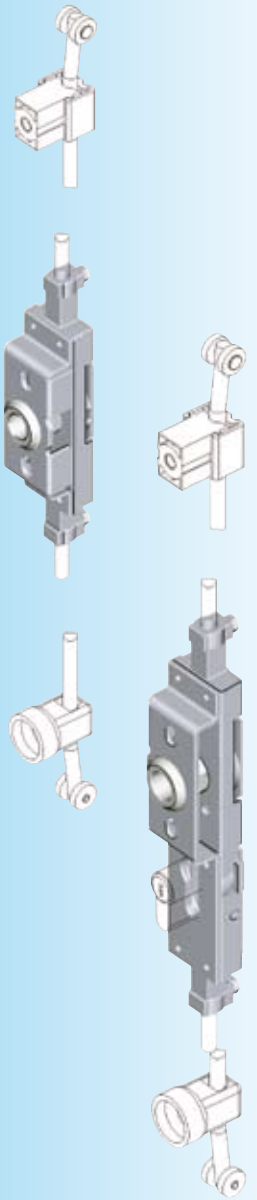
Latch m.s. zinc pl.		
	Stroke 13	**Stroke 18**
RH	1049-U1	1049-U19
LH	1049-U2	1049-U20
Support m.s. zinc plated		
	A20	**A26**
RH/LH	1001-47	1001-50

Latch m.s. zinc pl. for profile cylinder		
		Stroke 18
RH	–	1068-U1
LH	–	1068-U2
Support m.s. zinc plated		
	A20	**A26**
RH	1001-45	1001-48
LH	1001-46	1001-49

R L RL IP 65

Stroke 18 mm





Key guide zinc die chrome pl.or black powder coated with nut m.s. zinc pl.		
chrome plated	**A20**	**A26**
for square and triangular	1001-U13	1001-U14
for double bit	1001-U15	1001-U16
for Daimler Benz	1001-U17	1001-U18
for FIAT	1001-U32	–
black powder coated		
for square and triangular	1001-U24	1001-U25
for double bit	1001-U26	1001-U27
for Daimler Benz	1001-U28	1001-U29
for FIAT	1001-U33	–

Insert zinc die chrome pl.		
Square	6	1000-59
Square	7	1000-04
Square	8	1000-05
Triangular	7	1000-06
Triangular	8	1000-07
for double bit	3	1000-08
for double bit	5	1000-09
for Daimler Benz		1000-64
for FIAT		1000-352
IP 65 with:		
Flat seal		1000-23
O-ring		1000-24

Further parts see page

– T-Handle 2A-140
– L-Handle 2A-140
– Rods 1C-620
– Profile half cylinder 2B-220
– Key 12B-120
– Escutcheon 12D-120
– Adapter system for insulated doors 2A-180

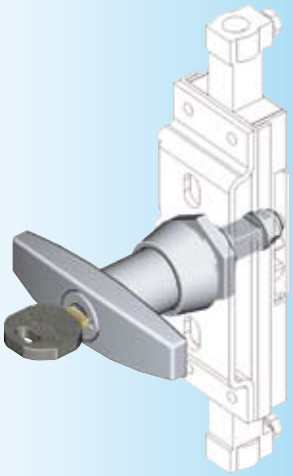
EMKA®

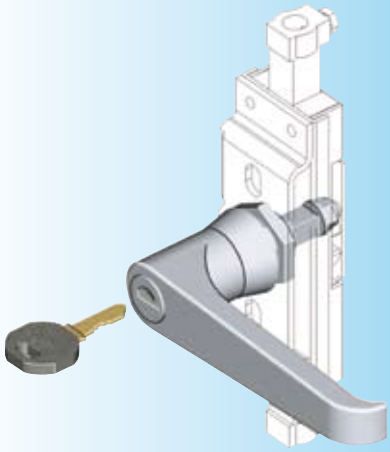
Beschlagteile

Handle

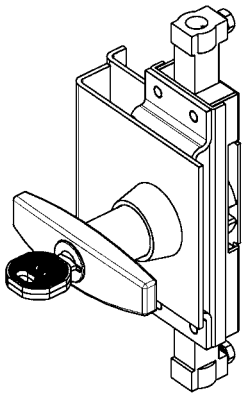
PROGRAM SCREW ON

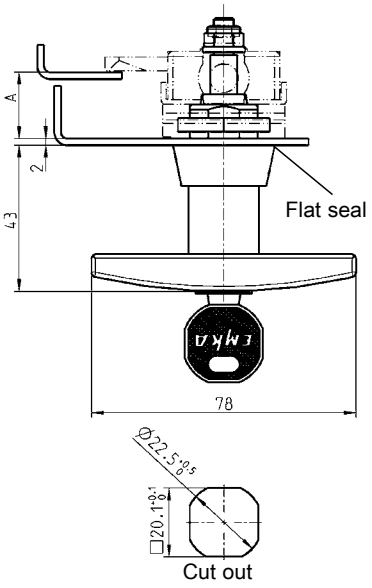
RL IP 65



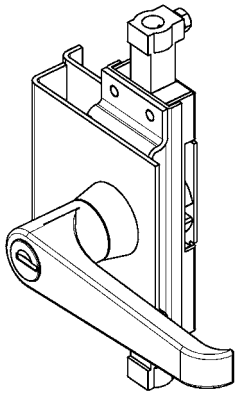


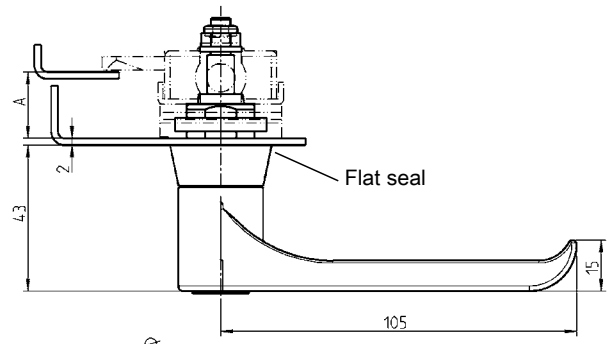
T-Handle

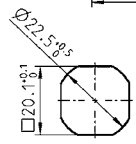




L-Handle







T-Handle zinc die with nut and washer m.s. zinc pl., with seal.
Each round cylinder has one silver steel key with polyamide grip GF black.

		non locking	Keyed EMKA 333	keyed different
A20	chrome plated	1102-U1	1102-U3	1102-U5
	black powder coated	1102-U7	1102-U9	1102-U11
A26	chrome plated	1102-U2	1102-U4	1102-U6
	black p.c.	1102-U8	1102-U10	1102-U12

L-Handle zinc die with nut and washer m.s. zinc pl., with seal.
Each round cylinder has one silver steel key with polyamide grip GF black.
– Insert spring loaded –

			chrome plated		black p.c.	
			A20	A26	A20	A26
non locking		(IP 65)	1103-U1	1103-U2	1103-U21	1103-U22
keyed EK 333		(IP 65)	1103-U3	1103-U4	1103-U23	1103-U24
keyed different		(IP 65)	1103-U5	1103-U6	1103-U25	1103-U26
Square	7	IP 65 (on request)	1103-U7	1103-U8	1103-U27	1103-U28
Square	8		1103-U9	1103-U10	1103-U29	1103-U30
Triangular	7		1103-U11	1103-U12	1103-U31	1103-U32
Triangular	8		1103-U13	1103-U14	1103-U33	1103-U34
Double bit	3		1103-U15	1103-U16	1103-U35	1103-U36
Double bit	5		1103-U17	1103-U18	1103-U37	1103-U38
Daimler Benz			1103-U19	1103-U20	1103-U39	1103-U40

Suitable for program:

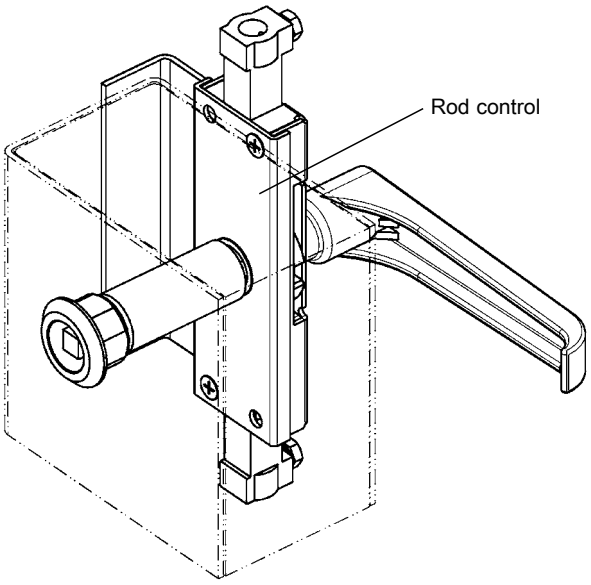
1001
1049
1068

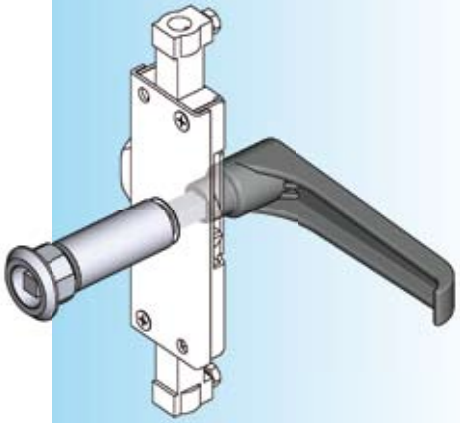
Further parts see page

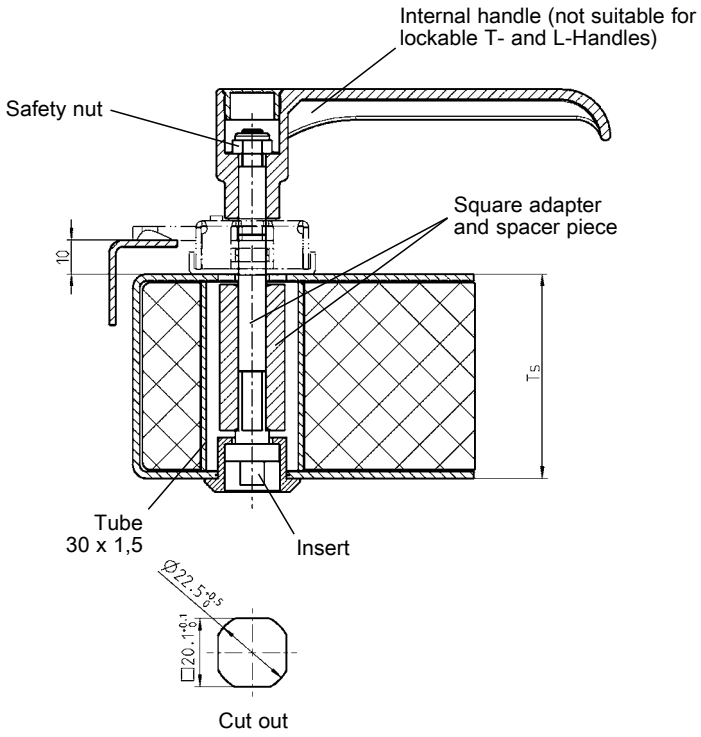
– Dust cap for T-Handle 1C-340
– Spare key 12B-140
– Adapter system for insulated doors 2A-180

Adapter system

PROGRAM SCREW ON







System can be pre-assembled with handle or insert and retained with M6 safety nut.

Insert, m.s. zinc plated Key guide zinc die chrome plated Safety nut m.s.zinc plated		Door gauge Ts	Square adapter m.s.z.pl.	Spacer piece aluminium
Square 7	1001-U21	20	–	–
Square 8	1001-U22	40	1x1001-65	1001-69
Double bit 5	1001-U23	50	1x1001-66	1001-70
Adapter for internal handle m.s.zinc plated		60	1x1001-67	1001-71
	1001-65	80	2x1001-66	1001-72
Int. handle polyamide black		100	2x1001-67	1001-73
	1000-U829			

Further parts see page

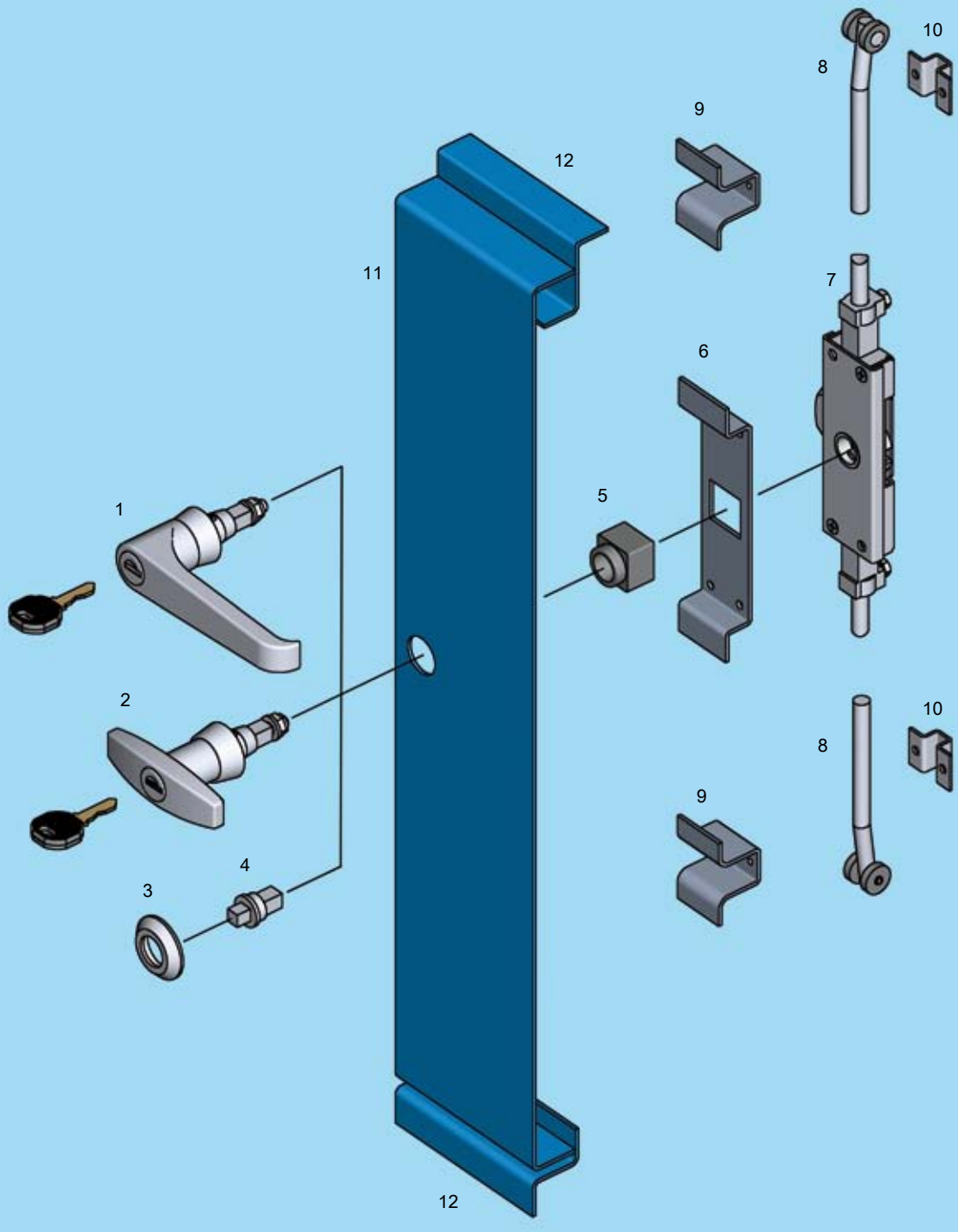
– Rotation prevention 1C-360
– Rod control 2A-120, 2B-120, 2B-130, 2B-180
– T- or L-Handle A = 26 2A-140

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Notes:

Latches for heavy duty weld-on

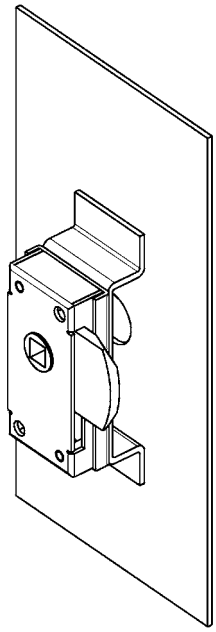


1	L-Handle	2B-160
2	T-Handle	2B-160
3	Bezel	2B-160
4	Insert	2B-160
5	Key guide	2B-160
6	Support	2B-120 up to 2B-140, 2B-180
7	Rod control	2B-120 up to 2B-140, 2B-180
8	Rod	
9	Rod support	
10	Rod guide	
11	Door	
12	Cabinet/frame	

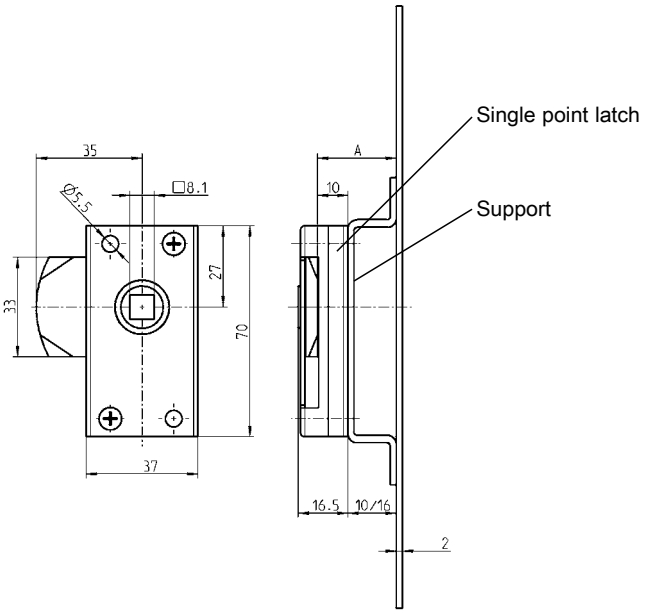
One / Two point latch and hooked latch

PROGRAM WELD ON

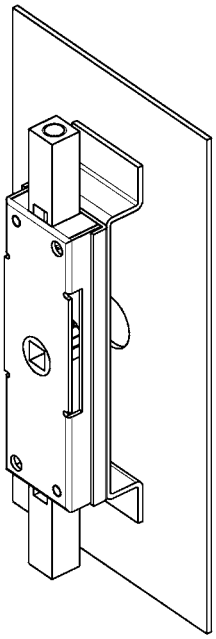
One point latch



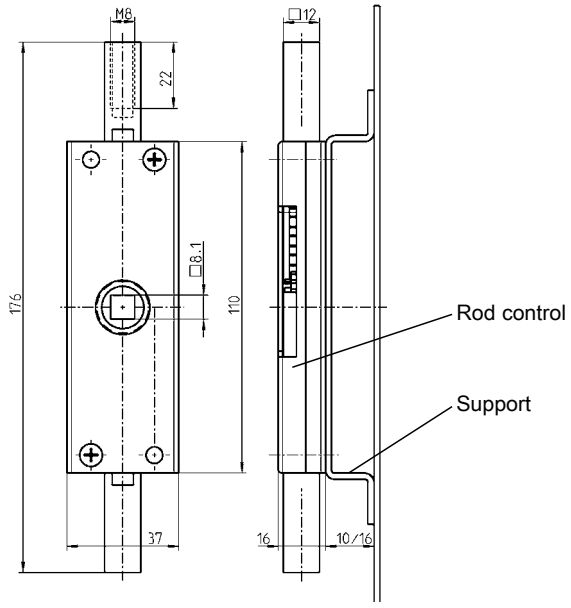
90° Turn



Two point latch for screw-in rod



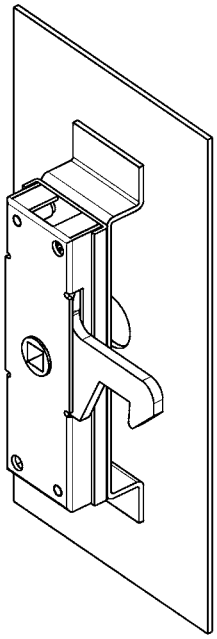
180° turn
stroke 32 mm

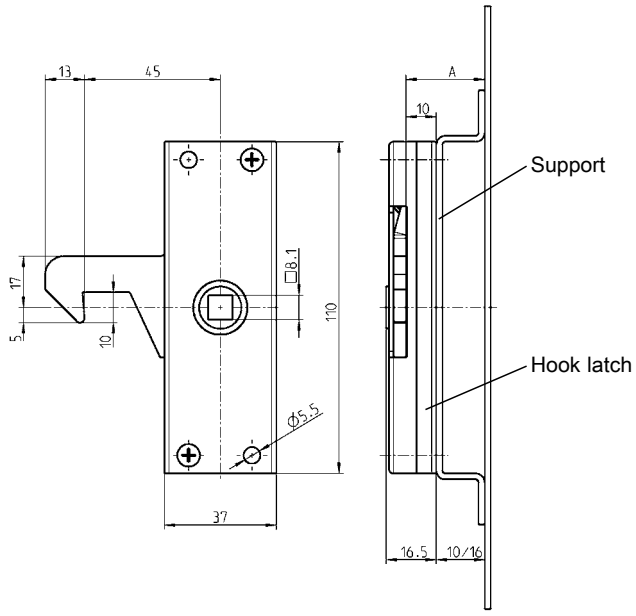


One point latch m.s. zinc pl., RH and LH-version	
	1002-U1
Support m.s. raw	
A20	1002-04
A26	1002-05
Two point latch m.s. zinc pl.	
RH	1001-U19
LH	1001-U20
Support m.s. raw	
A20	1001-18
A26	1001-19

Hook latch

Hook free running
(spring loaded)











Hook latch m.s. zinc pl.	
RH	1001-U30
LH	1001-U31
Support m.s. raw	
A20	1001-18
A26	1001-19

Further parts see page

– Insert	2B-160
– T-Handle	2B-160
– L-Handle	2B-160
– Ring-handle	2B-190
– Rod	1C-620
– Adapter system for insulated doors	2A-180

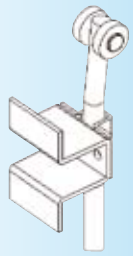
EMKA®

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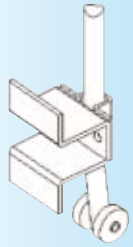
Rod control

PROGRAM WELD ON

R L RL

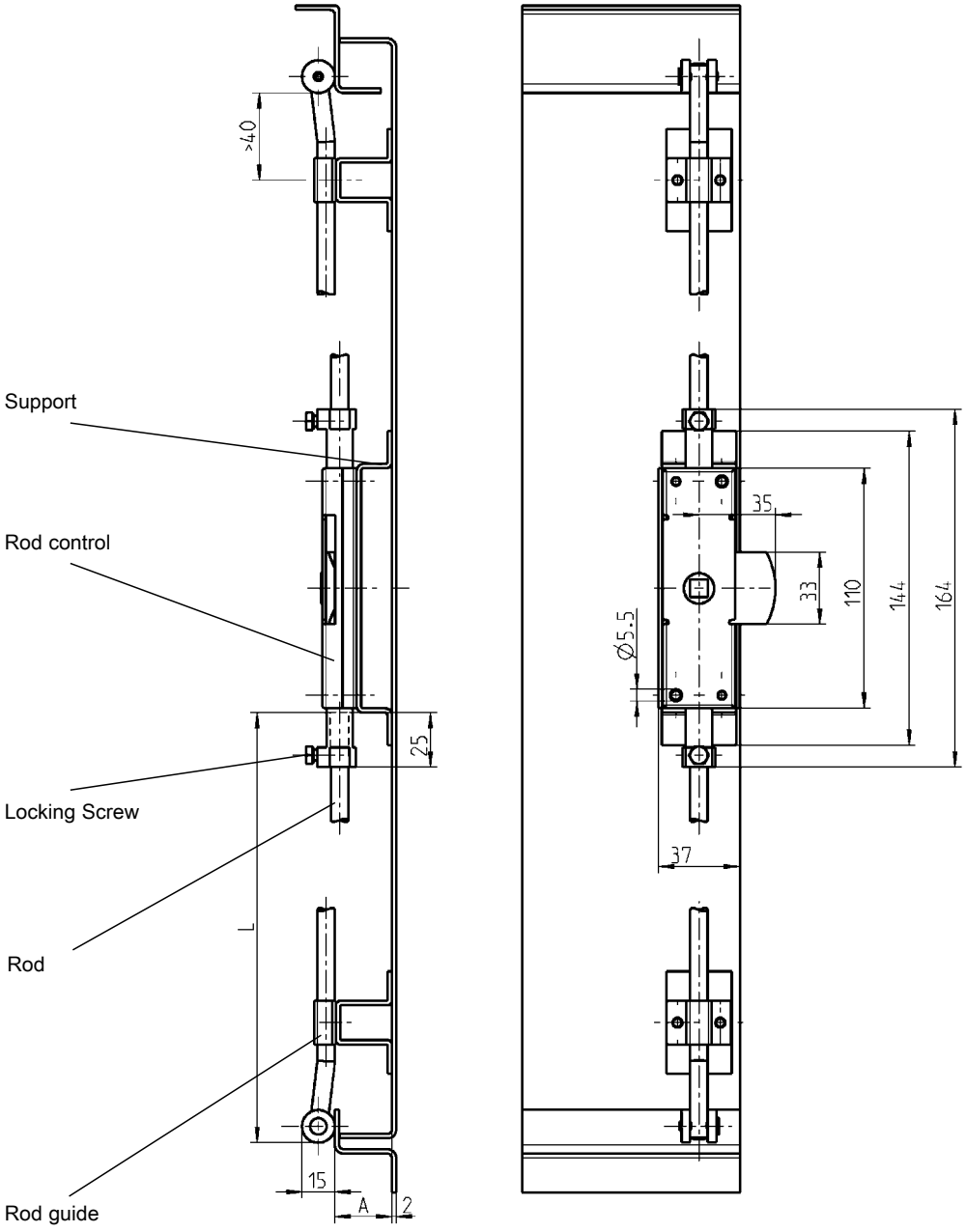






3 point latch for round rods, fixed with screw
Stroke 13 or 18 mm

90° Turn



Latch without insert can be operated with a male square key during assembly, see page 12B-120

Further parts see page

– Insert, bezel	2B-160
– L-Handle	2B-160
– T-Handle	2B-160
– Ring-handle	2B-190
– Rod	1C-620

Program 1107

– Swinghandle	3A-220

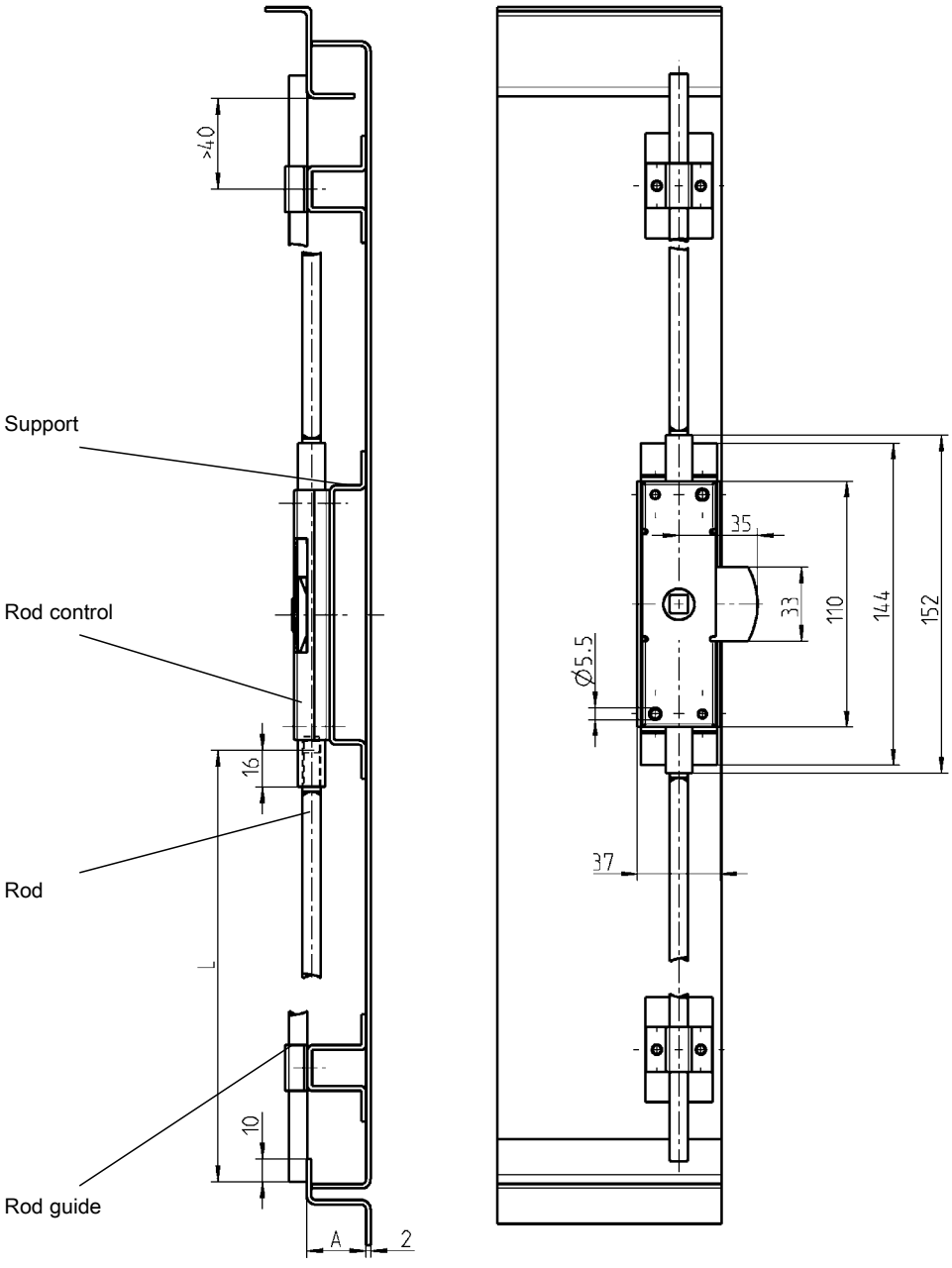
Latch m.s. zinc plated	Stroke 13	Stroke 18
RH	1049-U1	1049-U19
LH	1049-U2	1049-U20
Support m.s. raw	**A20**	**A26**
	1001-18	1001-19

Rod control

PROGRAM WELD ON

3 point latch for round rods.
Stroke 13 mm

90° Turn





Latch without insert can be operated with a male square key during assembly, see page 12B-120

Latch m.s. zinc plated		Stroke 13
RH		1001-U1
LH		1001-U2
Support m.s. raw	**A20**	**A26**
	1001-18	1001-19

Further parts see page

– Insert, bezel	2B-160
– L-Handle	2B-160
– T-Handle	2B-160
– Ring-handle	2B-190
– Rod	1C-620

Program 1107

– Swinghandle	3A-220

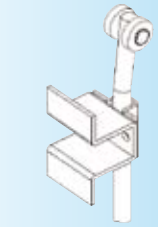
EMKA®

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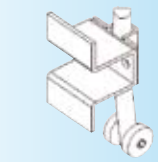
3 point latch for profile cylinder

PROGRAM WELD ON

R L RL

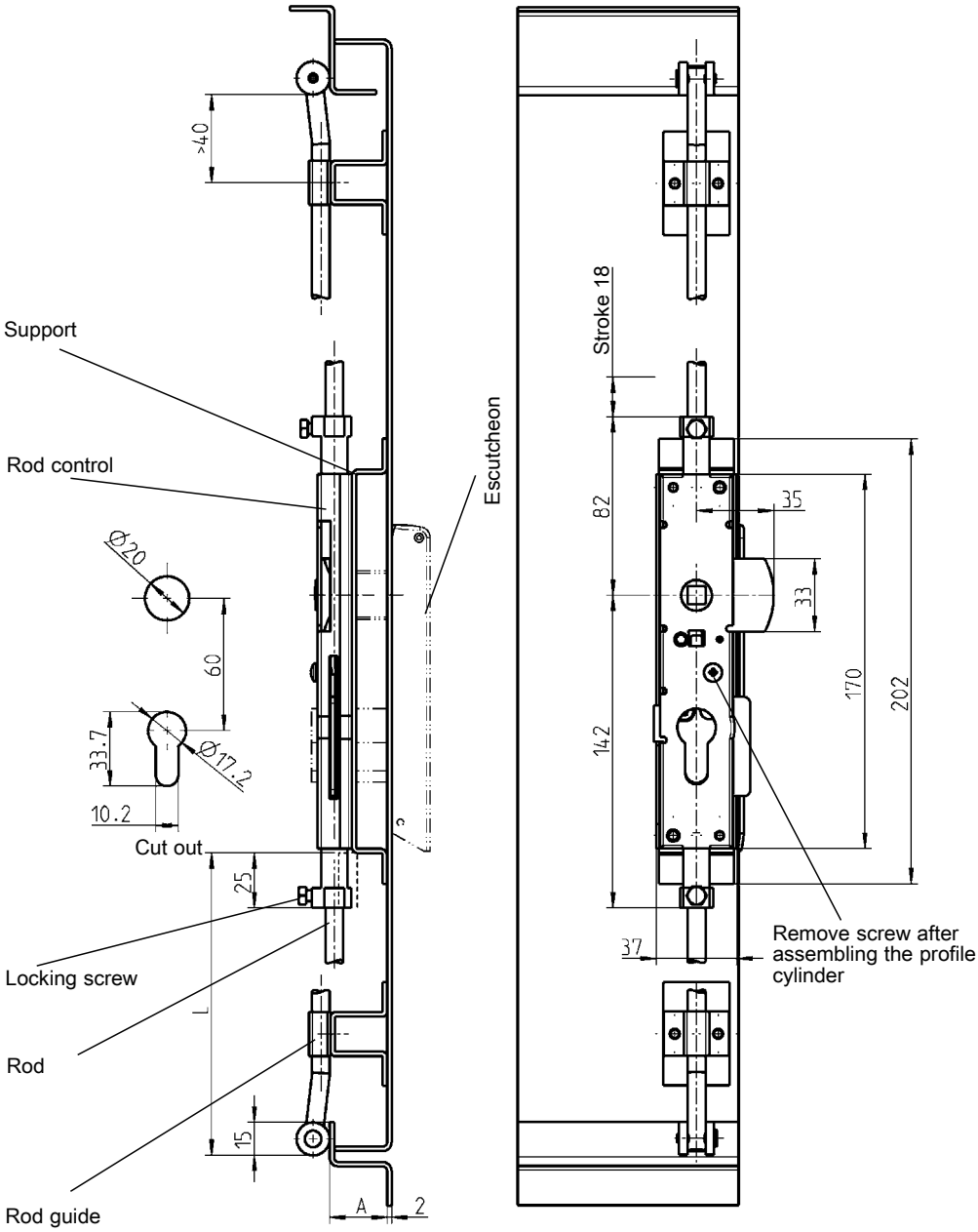








90° Turn
Stroke 18 mm



Latch m.s. zinc plated	
RH	1068-U1
LH	1068-U2
Support m.s. raw	
A20	1017-14
A26	1017-15
Blind plug for profile cylinder cut out	
A20	1059-U1
A26	1059-U2

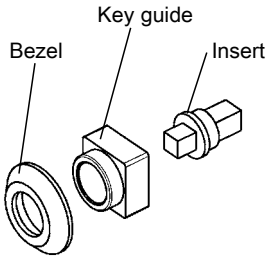
Further parts see page

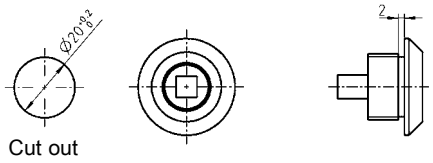
– Insert, bezel	2B-160
– T-Handle	2B-160
– L-Handle	2B-160
– Ring-handle	2B-190
– Rod	1C-620
– Profile half cylinder	2B-220
– Escutcheon	12D-120

Inserts and handles

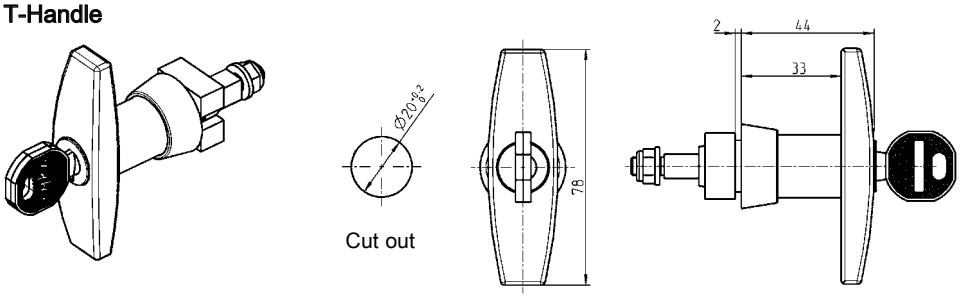
PROGRAM WELD ON

RL

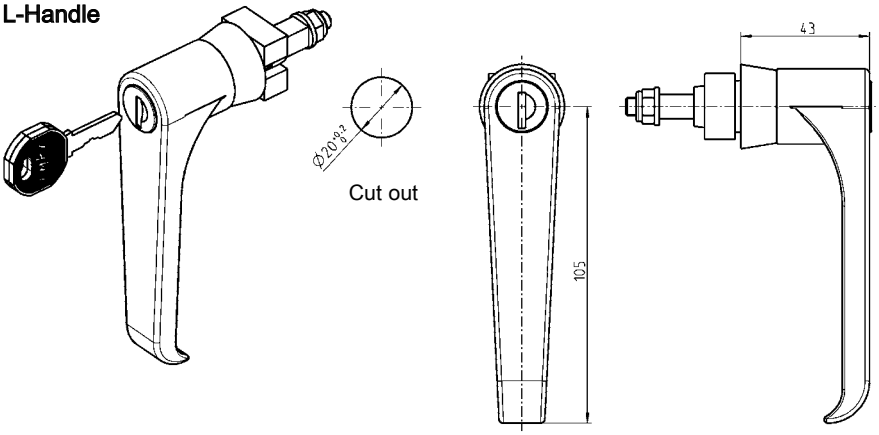


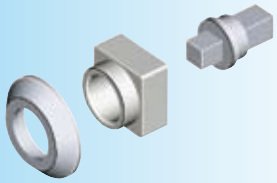


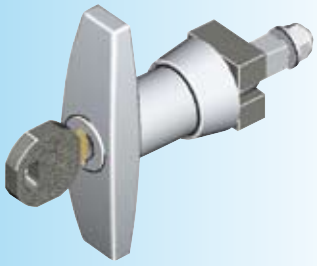
T-Handle

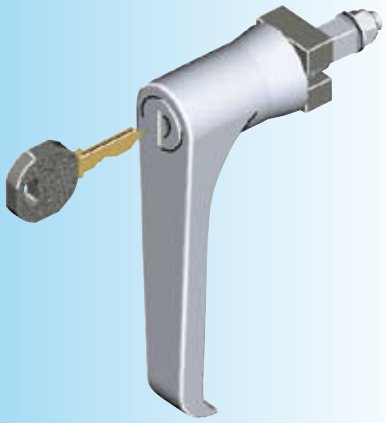


L-Handle









Insert zinc die chrome plated		
Square 7		1001-23
Square 8		1001-24
Triangular 7		1001-25
Triangular 8		1001-26
Double bit 3		1001-27
Double bit 5		1001-28
Daimler Benz		1001-34
Key guide ABS	**A20**	**A26**
Square and triangular	1001-31	1001-32
Double bit	1001-29	1001-30
Daimler Benz	1001-35	1001-36
Bezel, self-adhesive		
ABS chrome plated		1001-33
to achieve an optical look alike with quarter turn page 1B-140		

T-Handle zinc die chrome plated		
Nut m.s. zinc pl.	**A20**	**A26**
non locking	1005-U1	1005-U4
keyed EK 333	1005-U2	1005-U5
keyed different	1005-U3	1005-U6
L-Handle, zinc die chrome plated		
Nut m.s. zinc pl.	**A20**	**A26**
non locking	1044-U1	1044-U4
keyed EK 333	1044-U2	1044-U5
keyed different	1044-U3	1044-U6
Square 7	1044-U7	1044-U8
Square 8	1044-U11	1044-U12
Triangular 7	1044-U13	1044-U14
Triangular 8	1044-U15	1044-U16
Double bit 3	1044-U17	1044-U18
Double bit 5	1044-U19	1044-U20
Daimler Benz	1044-U9	1044-U10
Eastern Europe Ø 13	1044-U21	1044-U22

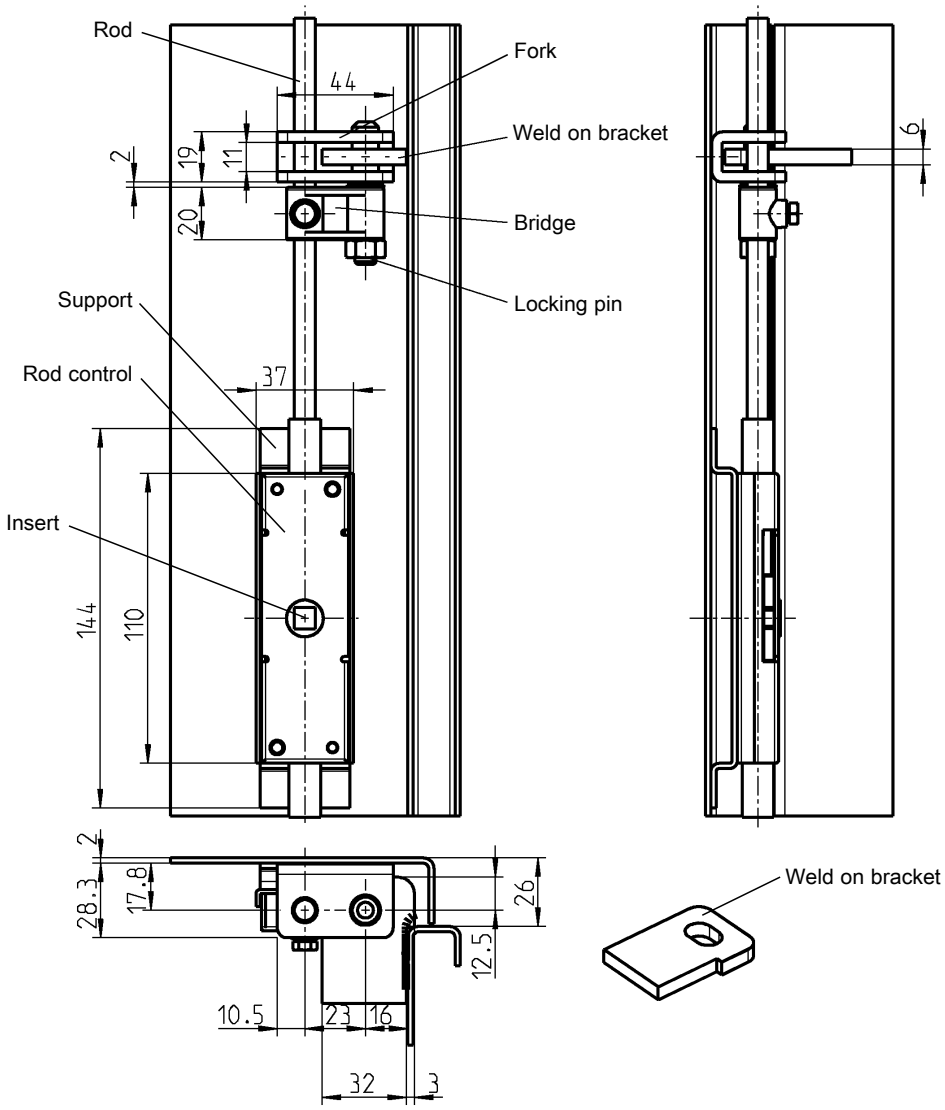
Note:
Spring loaded return (two handed operation)

Further parts see page

– Dust cap for T-Handle 1C-340
– Key 12B-120
– Spare key 12B-140
– Hook latch 2B-120
– Rod control 2B-130
up to 2B-140

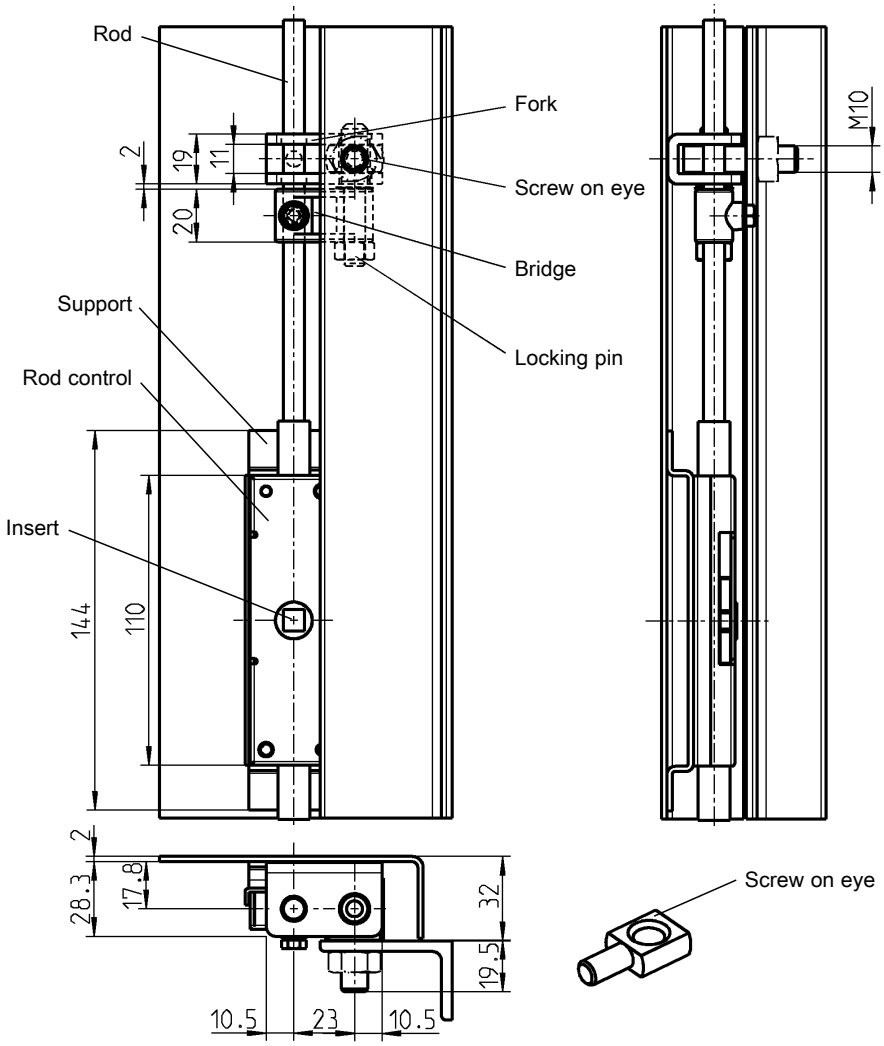
Rod control, Pressure tight system

PROGRAM WELD ON

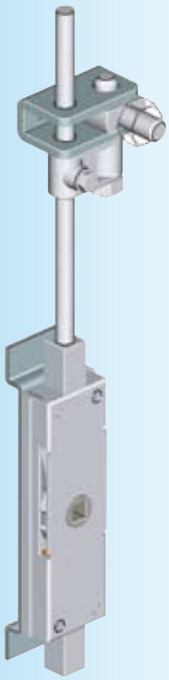


Latch m.s. zinc plated	**Stroke 18**
RH	1001-U9
LH	1001-U10
Support m.s. raw	1001-18
Insert zinc die chrome pl.	
Double bit 5	1001-28
Key guide ABS	1001-29
Bezel ABS chrome pl.	1001-33
Rod m.s. zinc pl.	
L = 1000 mm	1092-03
Pressure tight link complete (consisting of see below)	1092-U3
Fork m.s.raw	(1092-02)
Weld on bracket m.s.raw	(1092-01)
Bridge zinc die zinc pl.	(1092-U8)
Locking stud m.s. zinc plated	(1092-U6)









Latch m.s. zinc plated	Stroke 18
RH	1001-U9
LH	1001-U10
Support m.s. raw	1001-18
Insert zinc die chrome pl.	
Double bit 5	1001-28
Key guide ABS	1001-29
Bezel ABS chrome pl.	1001-33
Rod m.s. zinc pl.	
L = 1000 mm	1092-03
Pressure tight link complete (consisting of see below)	1092-U4
Fork m.s.raw	(1092-02)
Screw on eye m.s. zinc pl.	(1092-06)
Bridge zinc die zinc pl.	(1092-U8)
Locking stud m.s. zinc plated	(1092-U6)

Individual parts on reques

Further parts see page

– 90° rod pivot 2B-190
– Screw-on hinge 4A-260

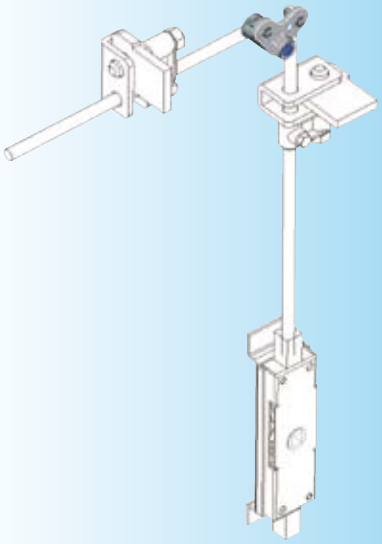
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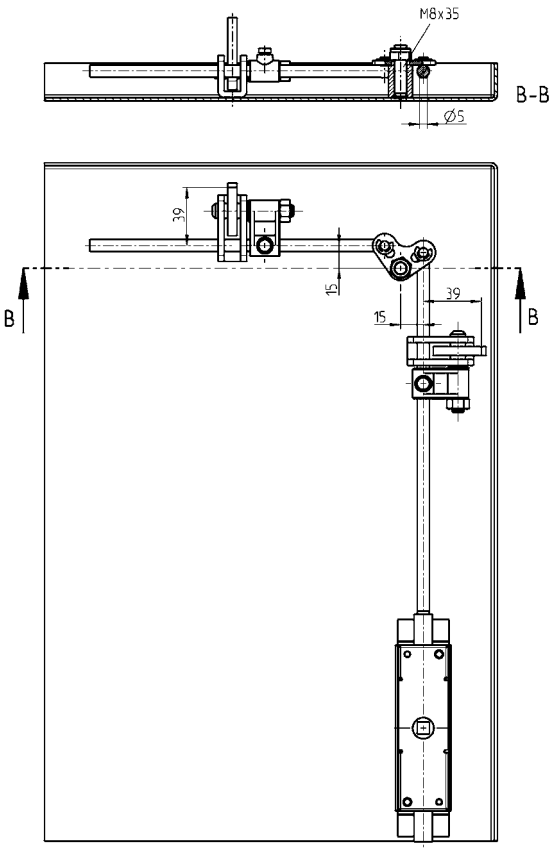
90° rod pivot , Ring-handle

PROGRAM WELD ON

RL



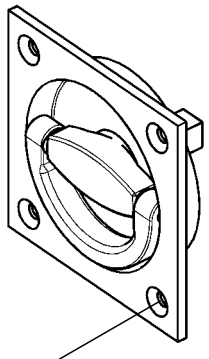
Pressure tight system, 90° rod pivoting



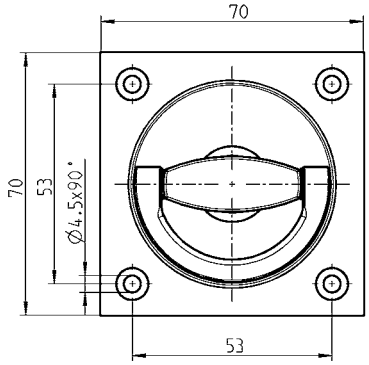
Pivot segment brass nickel pl., bearing bush and adapter m.s. raw, safety nut M8 and 2 circlips DIN 6799 m.s. zinc pl.	1092-U7

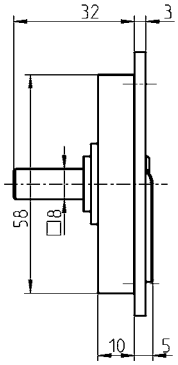


Ring-handle



For countersunk small head M4 DIN ISO 2009, 2010, 7046-1, 7046-2, 7047





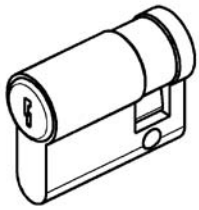
Ring-handle zinc die silver powder coated	1098-U1

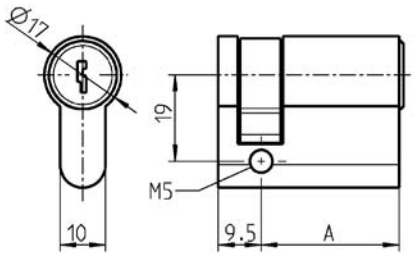
Further parts see page
– Rod control 2B-120
2B-130
2B-135
2B-140

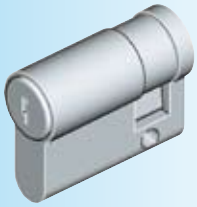
Profile half cylinder

PROGRAM UNIVERSAL

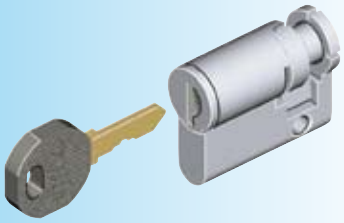
Profile half cylinder to DIN 18 252 (EN 1303)



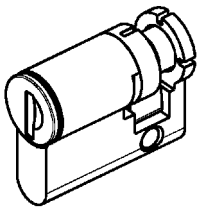




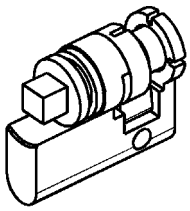
Profile half cylinder according to DIN 10 252 brass nickel pl. with 3 keys		
keyed different	A = 30	1089-U1
keyed 110319 N	A = 30	1089-U2
keyed different	A = 40	1089-U3
keyed 110319 N	A = 40	1089-U4
(Master key system on request)		

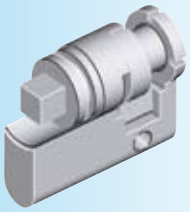


EMKA Profile half cylinder with round cylinder, rotates 360°

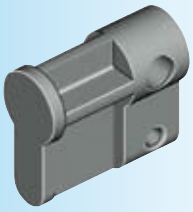


EMKA Profile half cylinder with inserts, rotates 360°

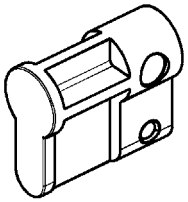


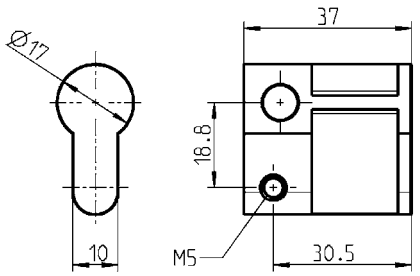


EMKA profile half cylinders with round cylinder zinc die with stainles steel cap and shutter with one silver steel key with polyamide grip black, rotates 360°.	
keyed different or keyed EK 333	on request
EMKA profile half cylinder with insert zinc die chrome pl., rotates 360°.	
Insert, e.g. square, triangular, double bit, slotted and more	on request



Blind plug







Blind plug	
polyamide black	1109-09-AA

Blind plug for rod locking system program 1068	A20	A26
(illustration shown on bottom right of this page)	1059-U1	1059-U2

Further parts see page

– Key 12B-120
– Spare key 12B-140
– Rod control 2A-120
2B-140

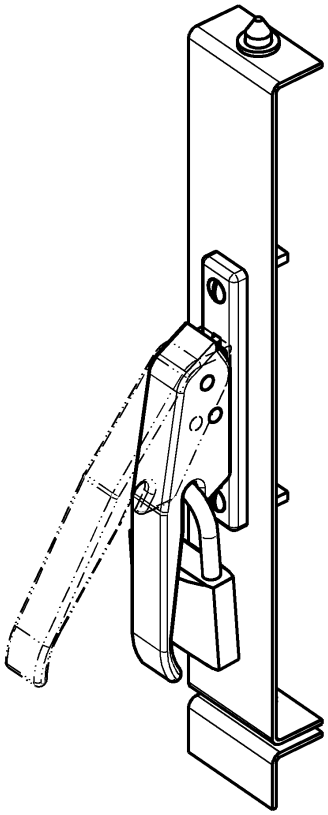
EMKA®

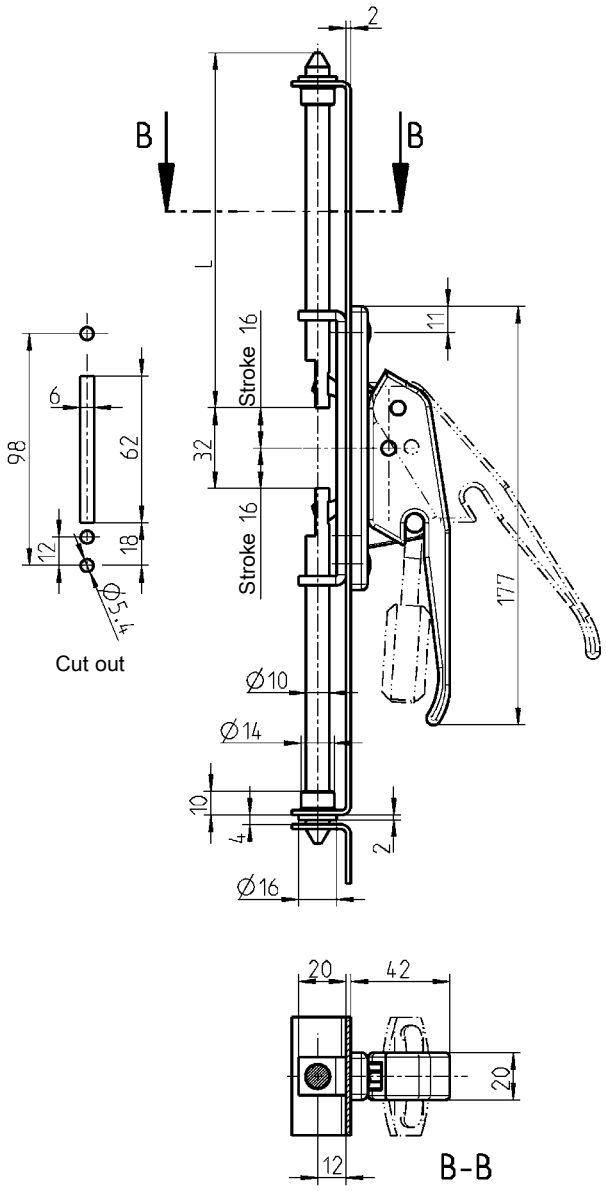
Beschlagteile

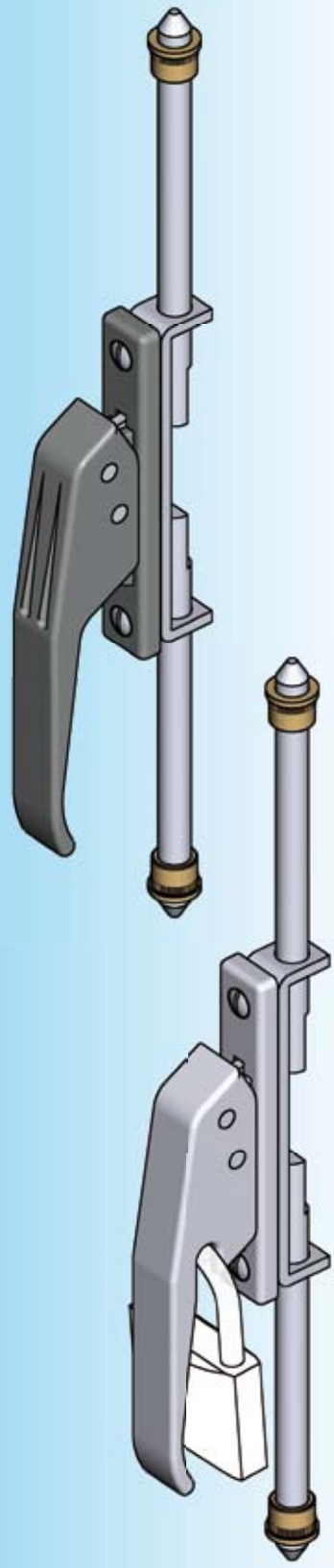
Notes:

Lever locking system

PROGRAM 1099

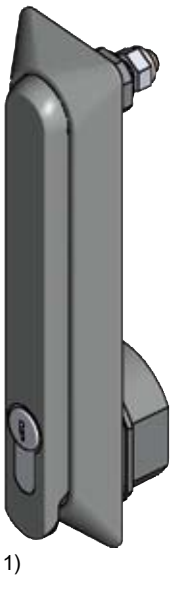
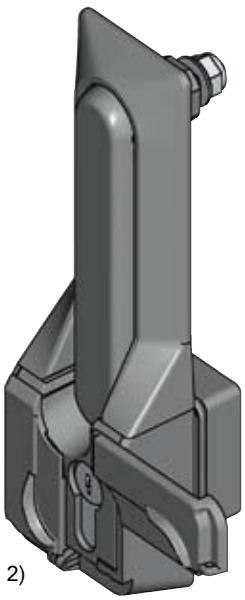
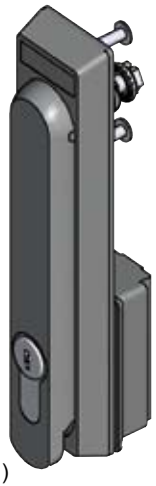
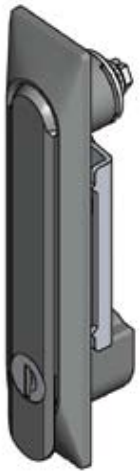
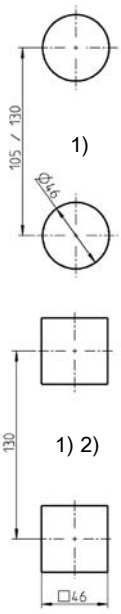
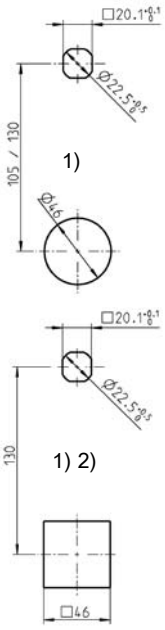
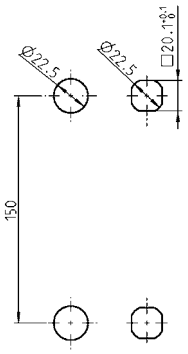
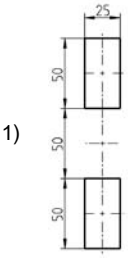
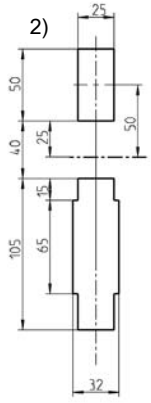
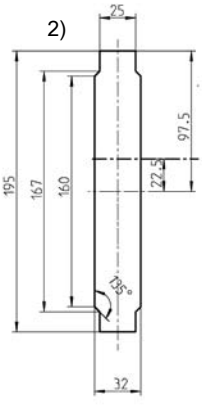
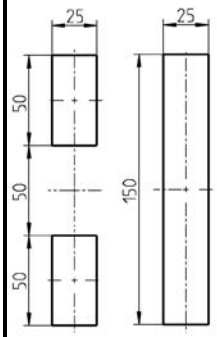




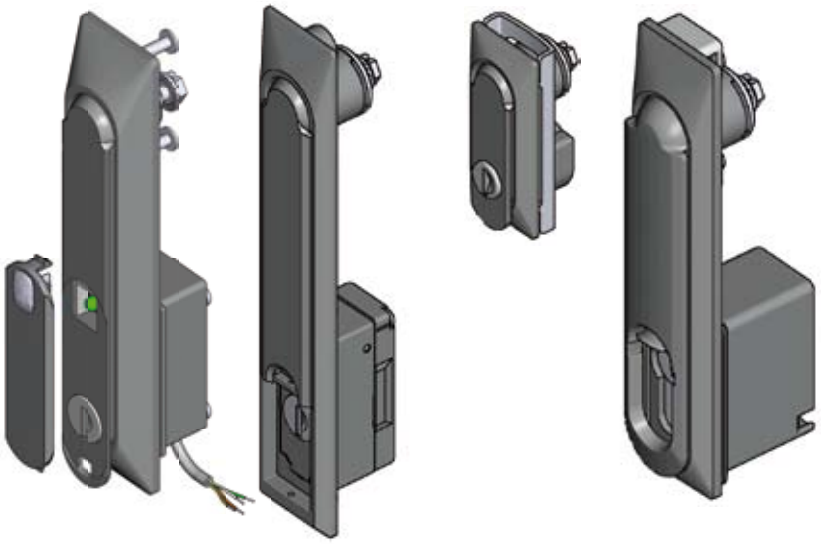


Lever version of choice, guiding bracket m.s. zinc plated guiding bushes brass nickel plated, screws m.s. zinc plated	
Lever zinc die silver powder coated	1099-U1
Lever polyamide black	1099-U4
Lever for padlock zinc die silver powder coated	1099-U6
Rod m.s. zinc pl.	
L = 1100 mm	1099-03
Other lengths on request	

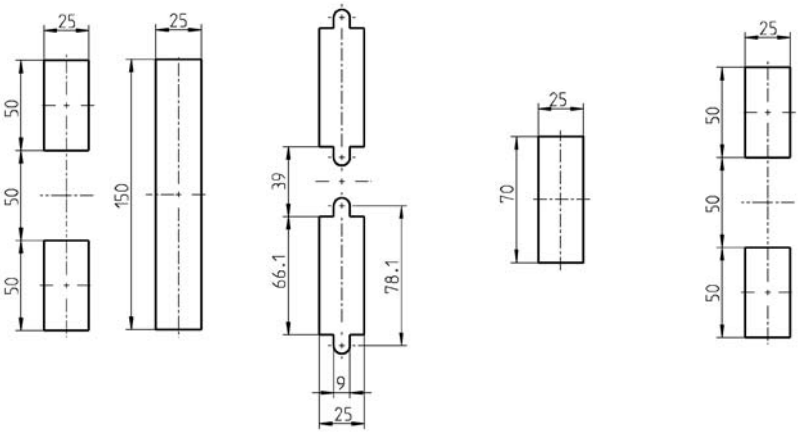
Swinghandles, lift handles and escutcheons, Part 1

1107	1107	1107	1125	1125	1150
Swinghandle	Double cylinder-swinghandle	Swinghandle	Swinghandle	Double cylinder-swinghandle	Swinghandle 1150
3A-100	3A-100	3A-100	3B-100	3B-100	3C-100
 1)	 2)		 1)	 2)	
 1)	 1)		 1)		
1) 2)	1) 2)		 2)	 2)	
●	●	●	●	●	●
			●		●
IP 65	IP 65	IP 40	IP 40/IP 65	IP 65	IP 65
		●	●		●
		●	●		●
●	●	●	●	●	
		●			
●		●	●		●
		●			
●	●		●	●	●
●		●			●
			●		●
			●		
			●		

1150	1150	1150	1150	
Swinghandle 1150	Swinghandle 1151	Swinghandle 1152	Swinghandle 1153	
3C-100	3C-100	3C-100	3C-100	see page

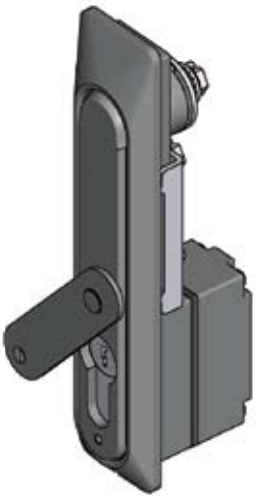
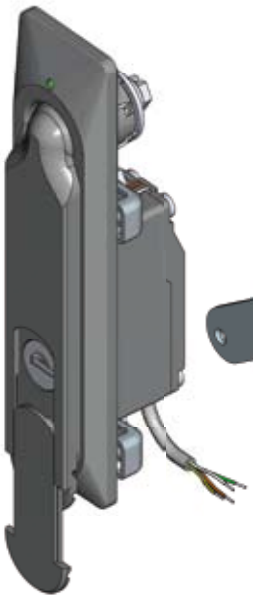
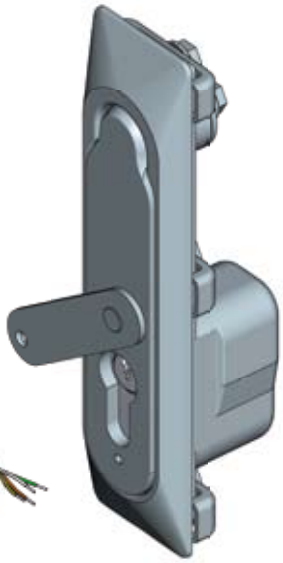
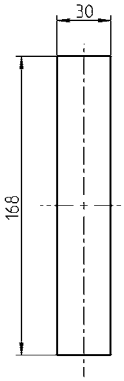
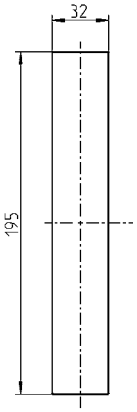
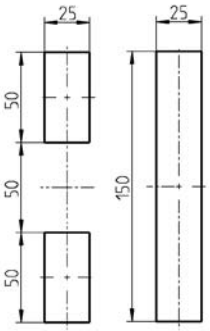
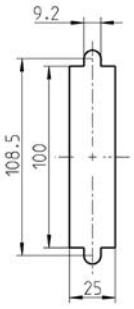


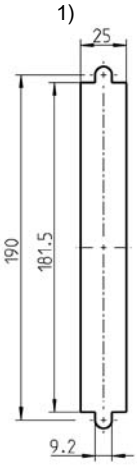
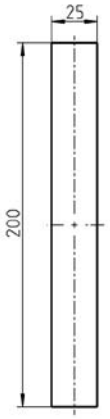
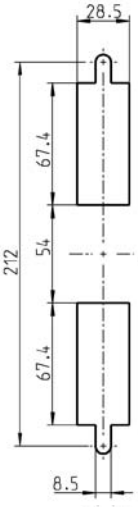
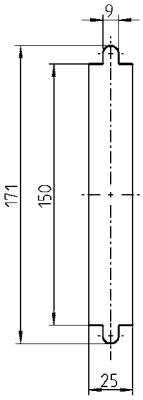
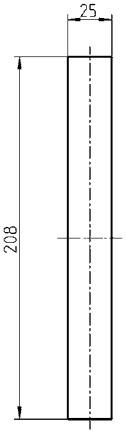
Please see next page for second part. Survey of further products.



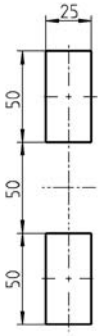
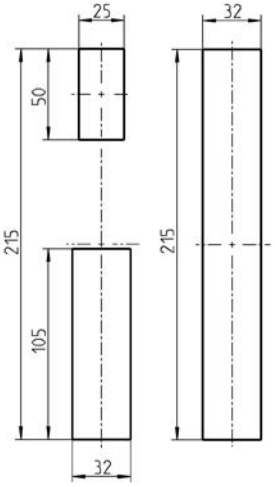
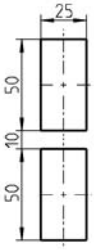
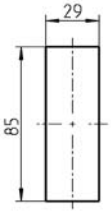
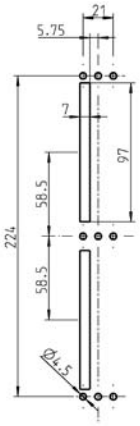
●	●	●	●	Assembling inside the gasketing
●	●			Outside the gasketing
IP 40	IP 54/IP 65	IP 40/IP 65	IP 65	Protection: IP
	●			Unlocked with insert
Emergency opening	●	●		Unlocked with round cylinder
	●		●	Unlocked with profile half cylinder
●	●			Unlocked electronically
	●	●	●	Unlocked without key
	●			Modular locking
		●		Handle and escutcheon polyamide
				Handle zinc die and escutcheon polyamide
●	●	●	●	Handle and escutcheon zinc die
				Handle and escutcheon stainless steel
				Fitting escutcheons

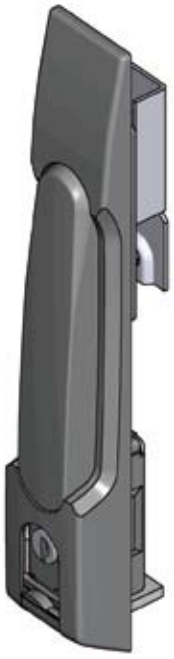
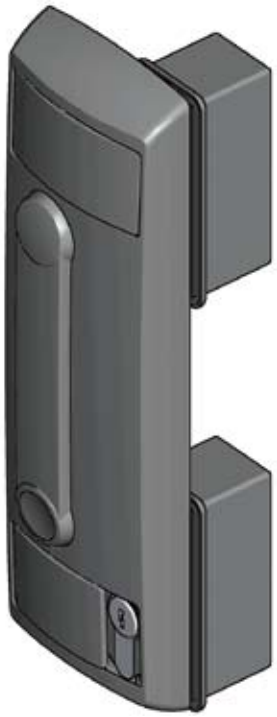
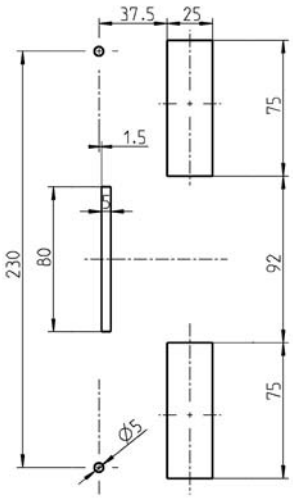
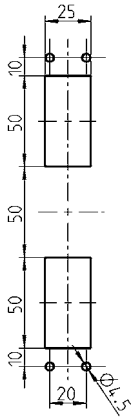
Swinghandles, lift handles, and escutcheons, part 2

1150	1150	1150	1150	1150	1160
Swinghandle 1154	Swinghandle 1154	Swinghandle 1154	Swinghandle 1154	Swinghandle 1155	Swinghandle
3C-100	3C-100	3C-100	3C-100	3C-100	3D-100
					
					
●	●	●	●	●	●
				●	●
IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
					●
	●			●	●
●		●	●		
	●		●		
●				Combination lock	●
				●	
					●
●	●		●		●
●		●			
					●

1180	1180	1190	1190	1190	
Swinghandle 1180	Swinghandle 1185	Lifthandle	Lifthandle	Lifthandle	
3E-100	3E-100	3F-100	3F-100	3F-100	see page
 1)	 2)				Please see next page for second part. Survey of further products.
1) 	1) 2) 				Please see previous page for first part. Survey of further products.
●	●				Assembling inside the gasketing
●	●	●	●	●	Outside the gasketing
IP 54	IP 54	IP 40	IP 40	IP 40	Protection: IP
●	●	●	●		Unlocked with insert
●	●	●	●		Unlocked with round cylinder
●	●	●		●	Unlocked with profile half cylinder
●	●	●			Unlocked electronically
●	●	●			Unlocked without key
●	●	●			Modular locking
	●	●	●	●	Handle and escutcheon polyamide
●					Handle zinc die and escutcheon polyamide
					Handle and escutcheon zinc die
					Handle and escutcheon stainless steel
●	●	●			Fitting escutcheons

Swinghandles, lift handles, and escutcheons, part 3

1225	1225	1225	2100	2300	2400
Swinghandle	Double cylinder-Swinghandle	Swinghandle	Swinghandle	Escutcheon	Swinghandle
3G-100	3G-100	3G-100	3H-100	3J-100	3K-100
					
					
●	●	●	●	●	
●			●	●	●
IP 40/IP 65	IP 65	IP 65	IP 54	IP 40	IP 40
●			●	●	●
●		●	●	●	●
●	●		●		●
			●		
●			●		●
			●		●
●		●		●	●
●			●		
	●				
●			●		

2400 Escutcheon	2600 Swinghandle	3000 Swinghandle	
3K-100	3L-100	3N-100	see page
			
			
		●	Assembling inside the gasketing
●	●	●	Outside the gasketing
IP 40	IP 54	IP 42	Protection: IP
●	●		Unlocked with insert
●	●		Unlocked with round cylinder
●	●		Unlocked with profile half cylinder
●		●	Unlocked electronically
●	●		Unlocked without key
●	●		Modular locking
●	●		Handle and escutcheon polyamide
		●	Handle zinc die and escutcheon polyamide
			Handle and escutcheon zinc die
			Handle and escutcheon stainless steel
			Fitting escutcheons

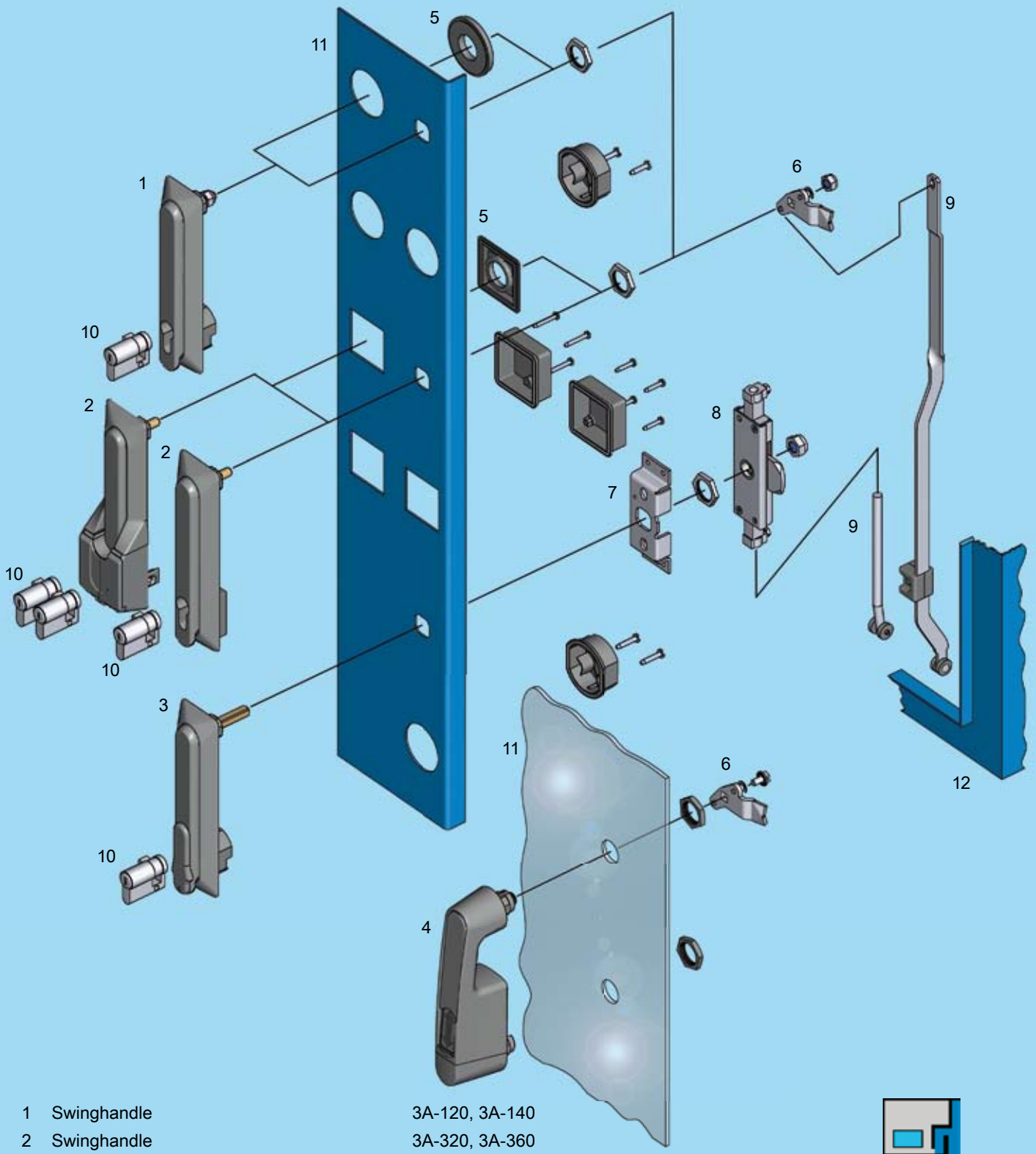
Please see previous page for first part. Survey of further products.

EMKA®

Beschlagteile

Notes:

Swinghandle
Program 1107



1	Swinghandle	3A-120, 3A-140
2	Swinghandle	3A-320, 3A-360
3	Swinghandle	3A-220
4	Swinghandle	3A-420
5	Adapter	
6	Cam	
7	Support	
8	Rod control	
9	Rod	
10	Profile half cylinder	
11	Door or glas door	
12	Cabinet/frame	

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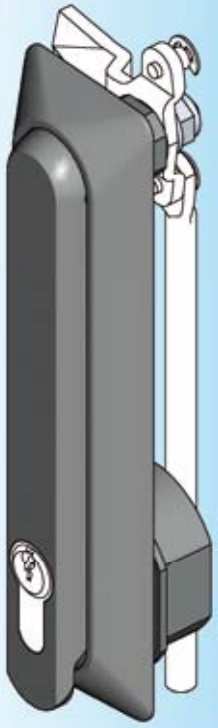
Beschlagteile

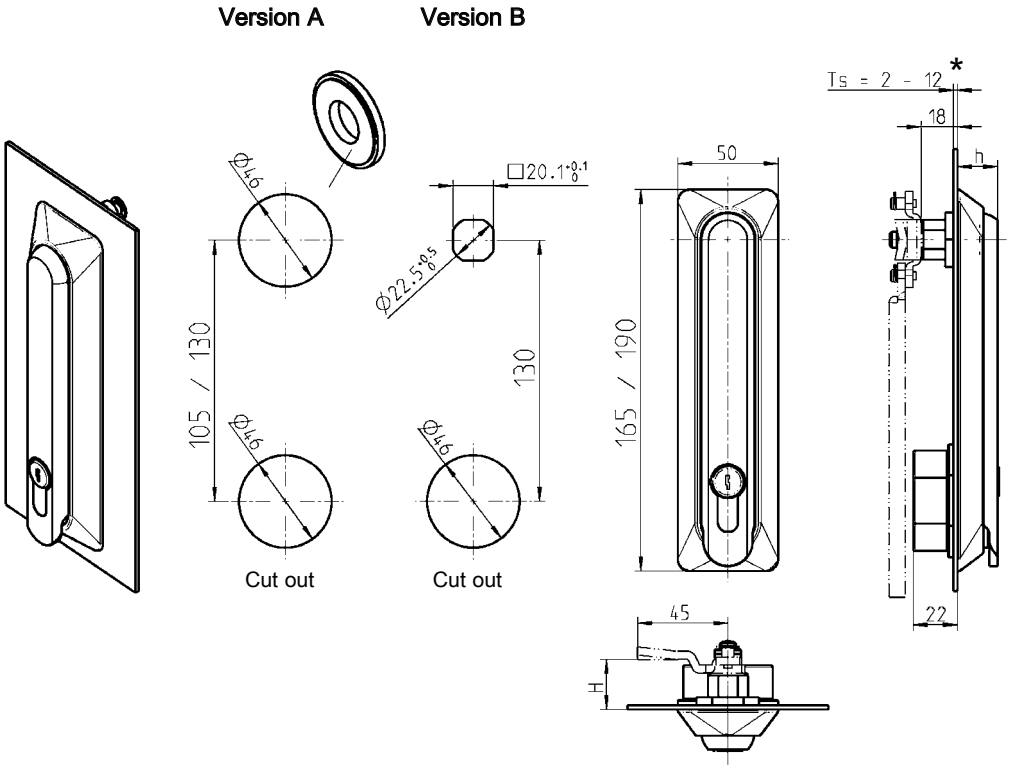
Swinghandle

PROGRAM 1107









Attention:
With adapter the maximum door gauge (TS) will be 6 mm

Note:
If door gauge (Ts) > 4 mm standard round rods cannot be used!

Swinghandle polyamide GF black, shaft brass, fixing material m.s. zinc pl., with seal	
Swinghandle "long" (190) for profile half cylinder	
40 (h = 20)	1107-U1-G
but with dust cap sealable	
40 (h = 20)	1107-U2-G
40 (h = 20) (Handle zinc die black p.c.)	1107-U102-G
45 (h = 25)	1107-U32-G
Swinghandle "short" (165), for profile half cylinder	
40 (h = 20)	1107-U158-G
but with dust cap sealable	
40 (h = 20)	1107-U159-G
45 (h = 25)	1107-U169-G
Adapter polyamide GF black required for cut out version A	
	1107-53
* Order screw set separately if Ts = 4-12 mm	1107-U170

Further parts see page

– Cam	3YC-120
– Rod control for cam	3YC-180
– Profile half cylinder	3XB-120

Swinghandle for padlock

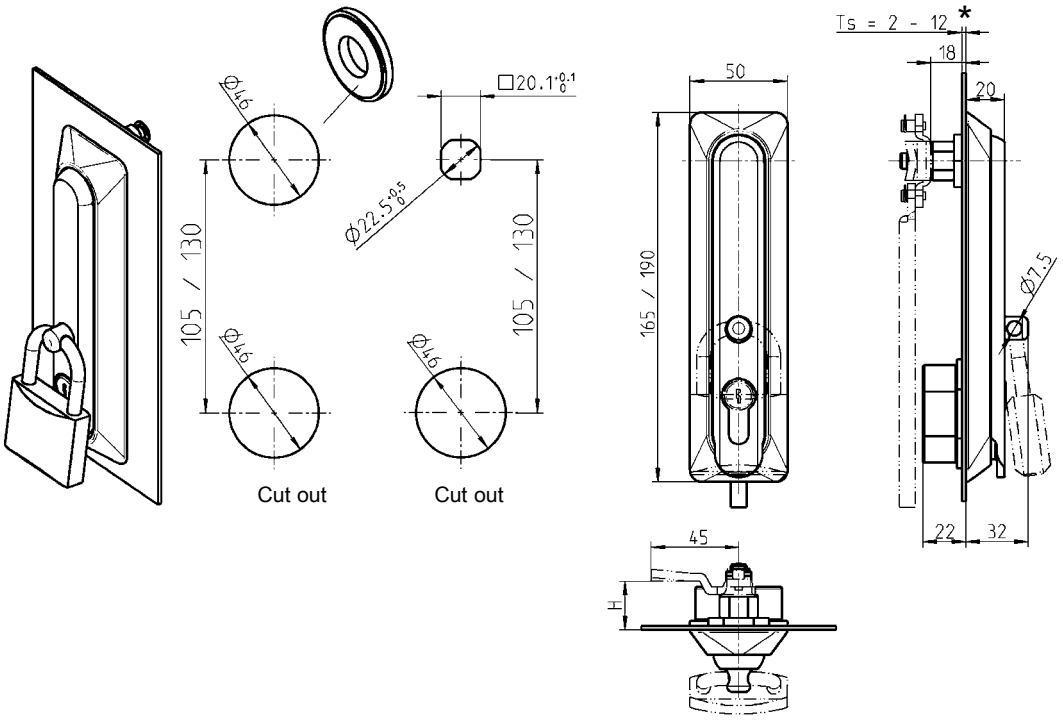
PROGRAM 1107

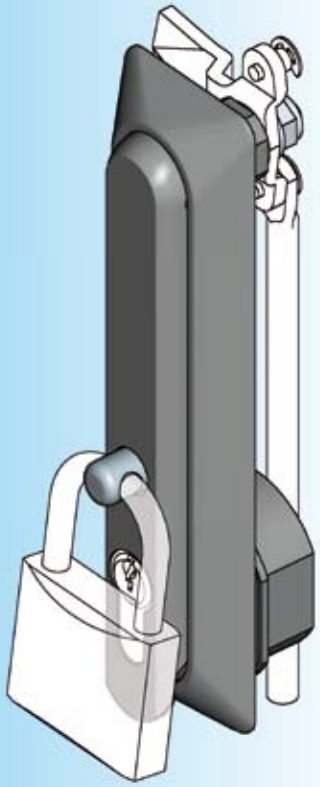



RL

IP 65

Version A **Version B**





Attention:
With adapter the maximum door gauge (TS) will be 6 mm

Note:
If door gauge (Ts) > 4 mm standard round rods cannot be used!

Swinghandle polyamide GF black, shaft brass, fixing material m.s. zinc pl., with seal	
Swinghandle "long" (190) for profile half cylinder	
40 (h = 20)	1107-U96-G
Swinghandle "short" (165), for profile half cylinder	
40 (h = 20)	1107-U164-G
Adapter polyamide GF black required for cut out version A	
	1107-53
* Order screw set separately if Ts = 4-12 mm	1107-U170

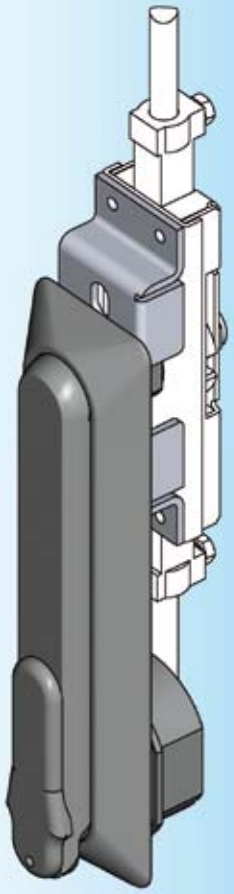
Further parts see page
– Cam 3YC-120
– Rod control for cam 3YC-180
– Profile half cylinder 3XB-120

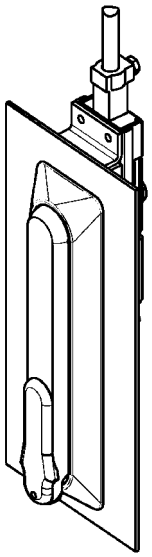
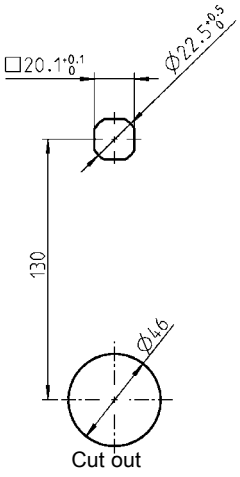
EMKA®
Beschlagteile

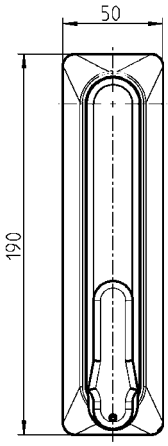
Swinghandle

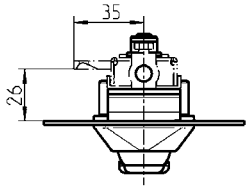
PROGRAM 1107

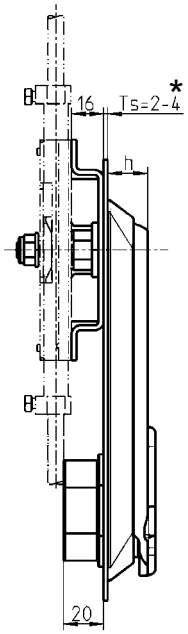








* Ts > 4-11 on request

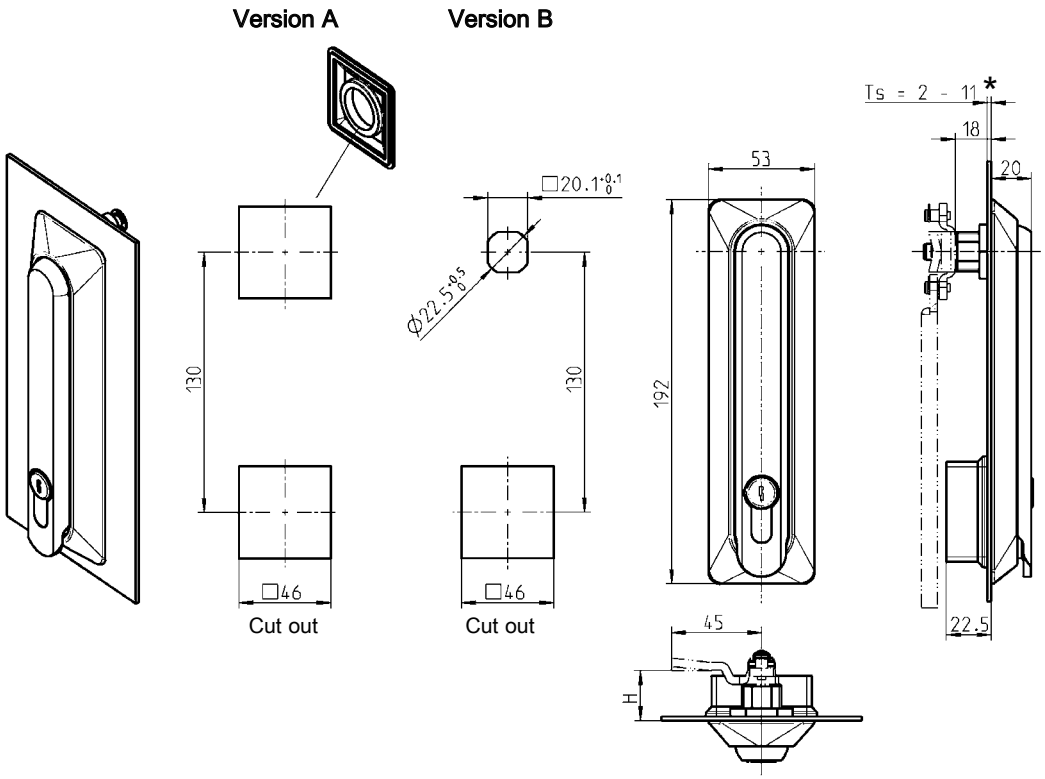
Further parts see page

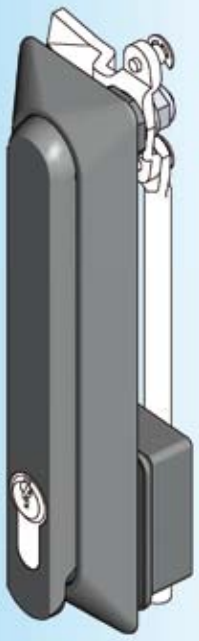
– Rod control	2B-130 2B-135
– Profile half cylinder	3XB-120

Swinghandle polyamide GF black, handle on choice, with dust cap sealable, shaft brass, fixing material m.s. zinc pl., with sealfor profile half cylinder 40 (h = 20)	
Handle polyamide GF black	1107-U14-G
Handle zinc die black p.c.	1107-U104-G
Lining	
RH and LH version	1001-50

Swinghandle

PROGRAM 1107





Attention:
With adapter the maximum door gauge (TS) will be 6 mm.

Note:
If door gauge (Ts) > 4 mm standard round rods cannot be used!

Swinghandle polyamide GF black, shaft brass, fixing material m.s. zinc pl., with seal	
for profile half cylinder 40, Ts = 2-4	1107-U21
Adapter polyamide GF black required for cut out version A	
	1107-53-01AA
Seal for adapter	1107-61-02VB

Other Versions available on request
Swinghandle with
– Dust cap sealable
– Handle zinc die black p.c.

Swinghandle for
– Padlock
– Profile half cylinder 45

* Ts > 4-11 on request

Further parts see page
– Cams 3YC-120
– Rod control for cam 3YC-180
– Profile half cylinder 3XB-120

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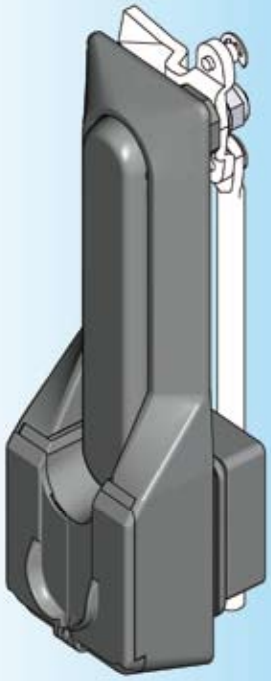
Double cylinder-swinghandle

PROGRAM 1107

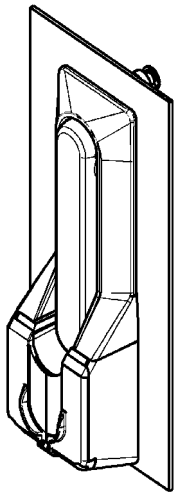
RL IP 65

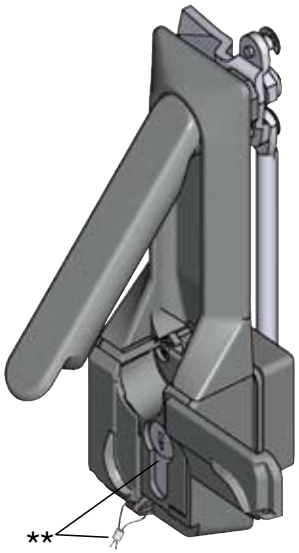




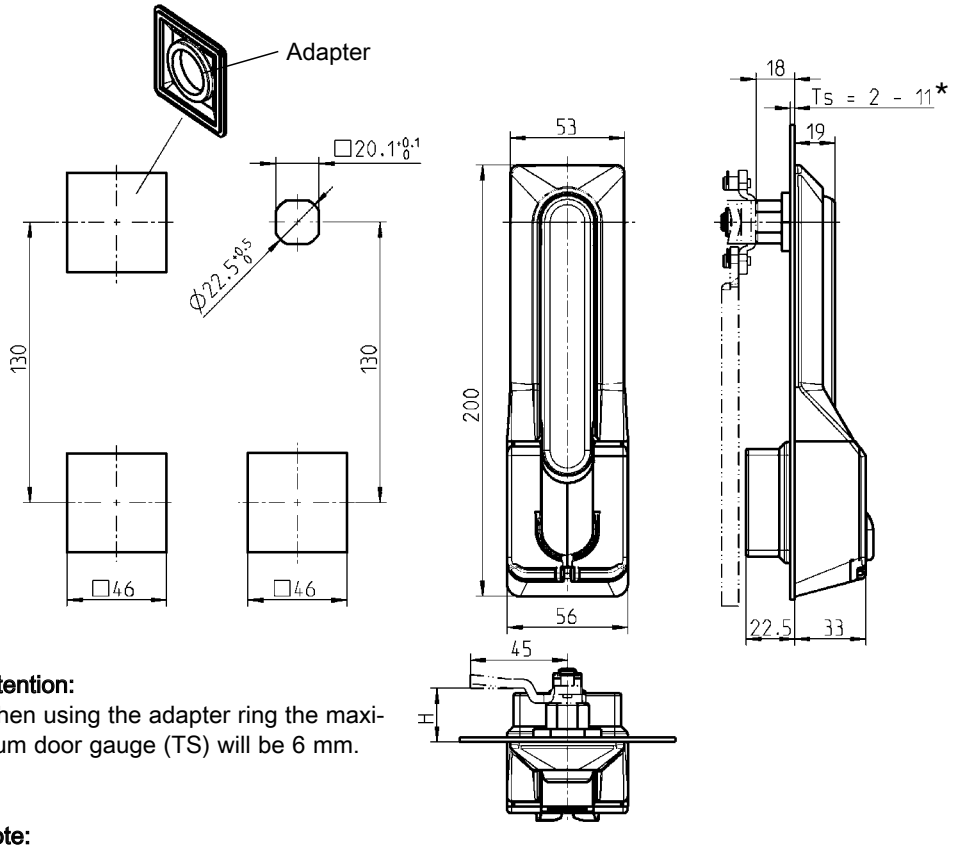


Swinghandle for profile half cylinder 40 and 45.
For separate lead seal.





Version A **Version B**



Attention:
When using the adapter ring the maximum door gauge (TS) will be 6 mm.

Note:
Separate authorisation of access required, as the handle is released by one profile half cylinder, only.

* Ts > 4-11 on request

** not included

Note:
If door gauge (Ts) > 4 mm standard round rods cannot be used!

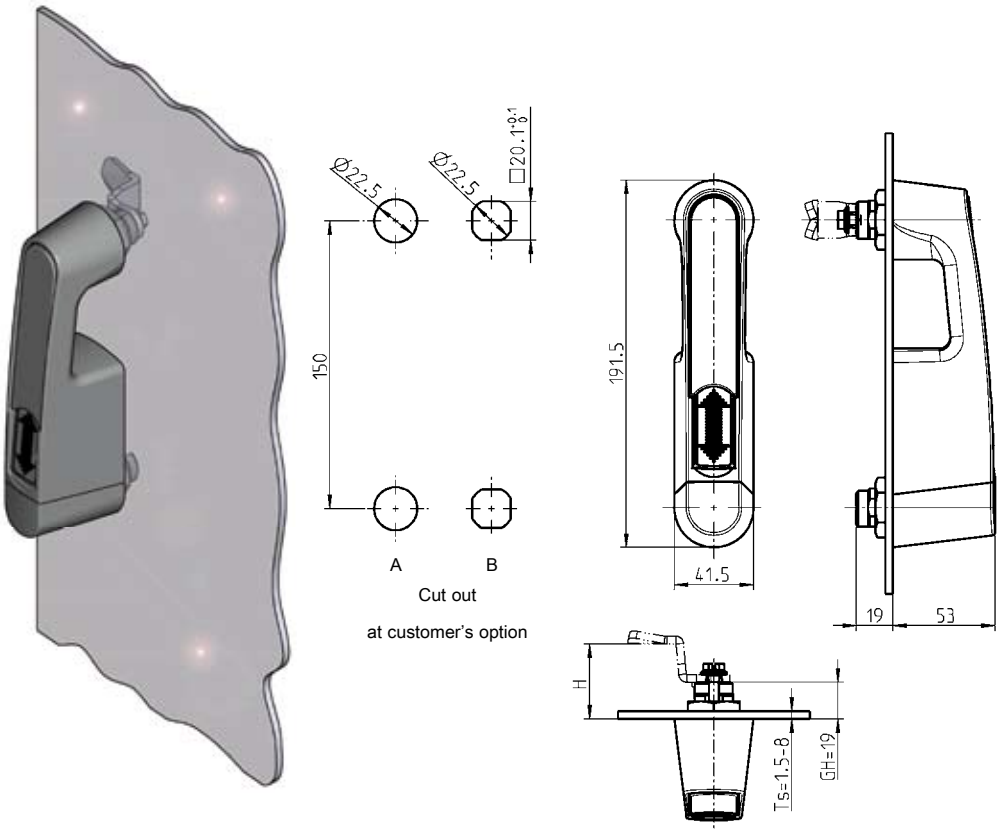
Further parts see page

– Cam	3YC-120
– Rod control for cam	3YC-180
– Profile half cylinder (only use 1089-U1; -U2)	3XB-220

Swinghandle polyamide GF black, dust cap cover and assembling-set zinc die black powder coated, shaft brass, fixing material m.s. zinc pl., with seal	
for 40 and 45 profile half cylinder, Ts = 2-4	1107-U22
Adapter ring polyamide GF black required for cut out version A	
	1107-53-01AA
Seal for adapter ring	1107-61-02VB

Swinghandle for glass doors
Swinghandle small

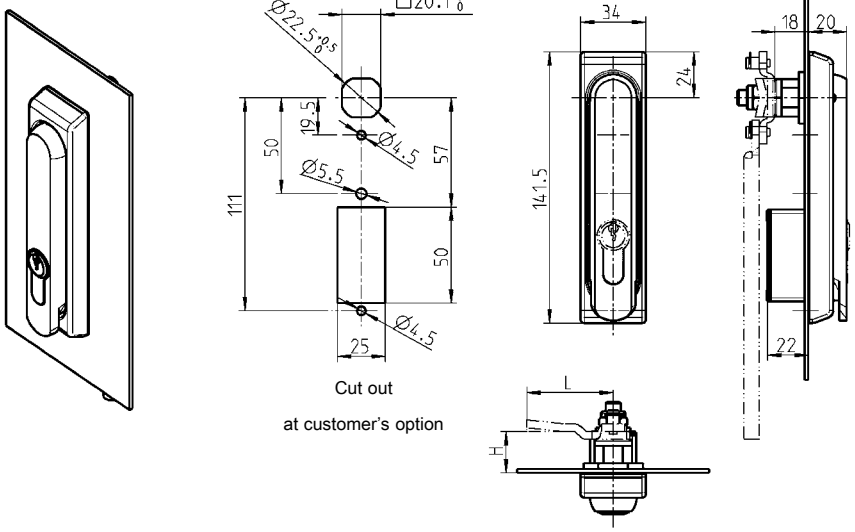
PROGRAM 1107



Cut out A or B - customer's choice

Swinghandle polyamide black, handle zinc die black powder coated, shaft zinc die black powder coated, with spring

1107-U247



Cut out - customer's choice
Ø4,5 = female thread M4
Ø5,5 = for countersunk screw M5 from outside to inside

Swinghandle zinc die green powder coated, shaft stainless steel, with seal

1107-U248



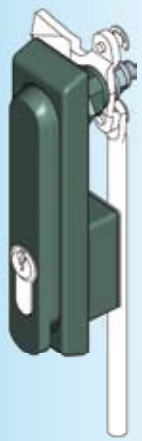


Included in delivery:
Swinghandle without locking set

Further parts see page

– Locking set	3XA-120
	3XA-140
– Locking set ELM	Chapter 11
– Cam (GH=19)	3YC-120
– Rod control for cam	3YC-180

Attention:
When using this cams the dimension H will be reduced by 1mm.
Further cams on request



Further parts see page

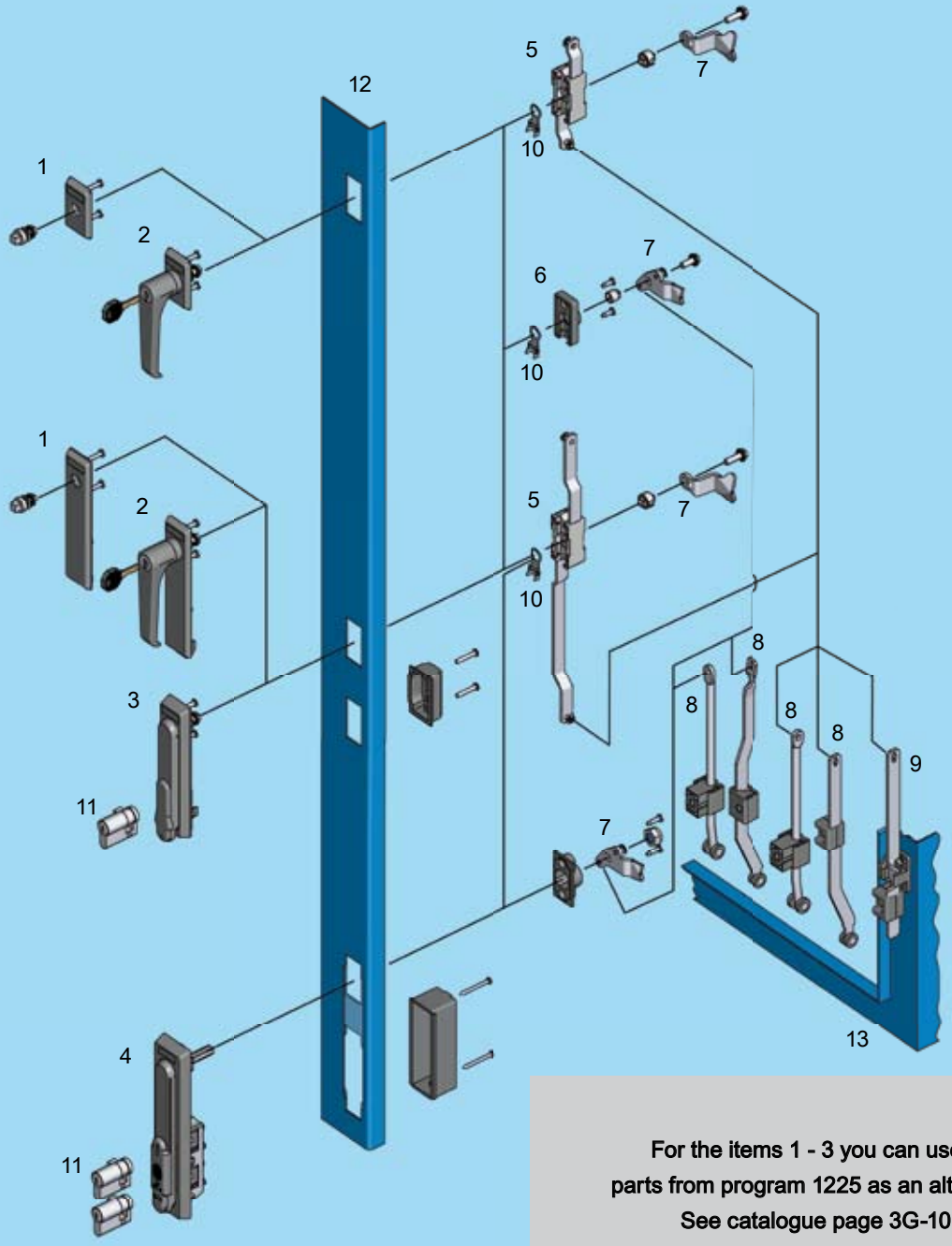
– Cam	3YC-120
– Rod control for cam	3YC-180
– Profile half cylinder	3XB-220

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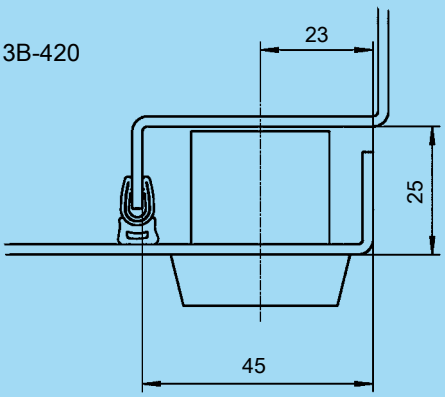
Notes:

Swinghandle and escutcheon Program 1125



For the items 1 - 3 you can use the parts from program 1225 as an alternative. See catalogue page 3G-100.

1	Escutcheon with insert	3B-120
2	Escutcheon with handle	3B-180
3	Swinghandle	3B-220, 3B-420
4	Swinghandle (double cylinder)	3B-320
5	Rod control	
6	Bearing bush	
7	Cam	
8	Rod (inside the gasketing)	
9	Rod (outside the gasketing)	
10	Earthing device	
11	Profile half cylinder	
12	Door	
13	Cabinet/frame	







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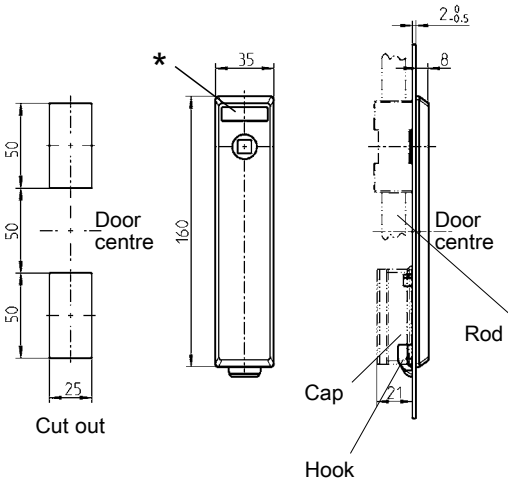
Escutcheon with insert

PROGRAM 1125

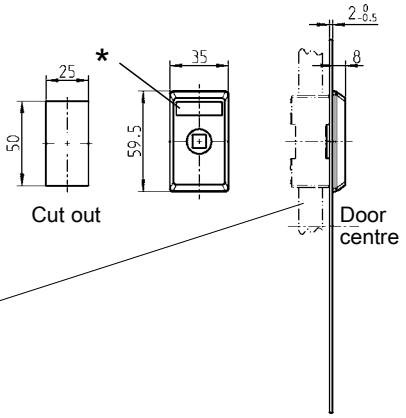


EDELSTAHL Rost frei STAINLESS STEEL

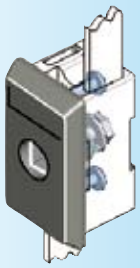
Escutcheon long



Escutcheon short









Escutcheon long material on choice, screws m.s. zinc plated or stainless steel, with seal				Escutcheon short material on choice, screws m.s. zinc plated or stainless steel with seal IP 65
polyamide black	hook IP 40	clip-in cap IP 40	screw-on cap IP 65	
for square, triangular Daimler-Benz, slot	1121-U19-6	1121-U19-N6	1121-U133-6	1121-U22-6
for double bit	1121-U20-6	1121-U20-N6	1121-U134-6	1121-U23-6
for railroad, square 9	1121-U19A-6	–	1121-U135-6	1121-U22A-6
for FIAT	1121-U63-6	1121-U63-N6	1121-U132-6	1121-U62-6
AISI 316				
for square, triangular Daimler-Benz, slot	–	–	1121-U133-6PH	1121-U22-6PH

Insert material on choice, fixing material m.s. zinc plated or stainless steel		
	zinc die chrome pl.	AISI 316
Square 6	1121-U11	on request
Square 7	1121-U12	1121-U12-PH
Square 8	1121-U13	on request
Triangular 6,5 CNOMO	1121-U169	on request
Triangular 7	1121-U14	1121-U14-PH
Triangular 8	1121-U15	on request
Double bit 3**	1121-U16	1121-U16-PH
Double bit 5**	1121-U17	1121-U17-PH
Square female 8	1121-U167	on request
Daimler Benz	1121-U18	on request
Slot 2 x 4	1121-U123	on request
FIAT	1121-U24	on request
Railroad square 9	1121-U72	on request

* Logo recess: 27 x 8 x 0,5
Multicolour print possible

** in Polyamide on request

Further parts see page

– Key	12B-120
– Rod control for long version	3YA-120 3YA-140
Short version	3YA-160
– Bearing bush	3YB-120

Accessories



Transport safety device polyamide GF black for double bit insert

1121-32

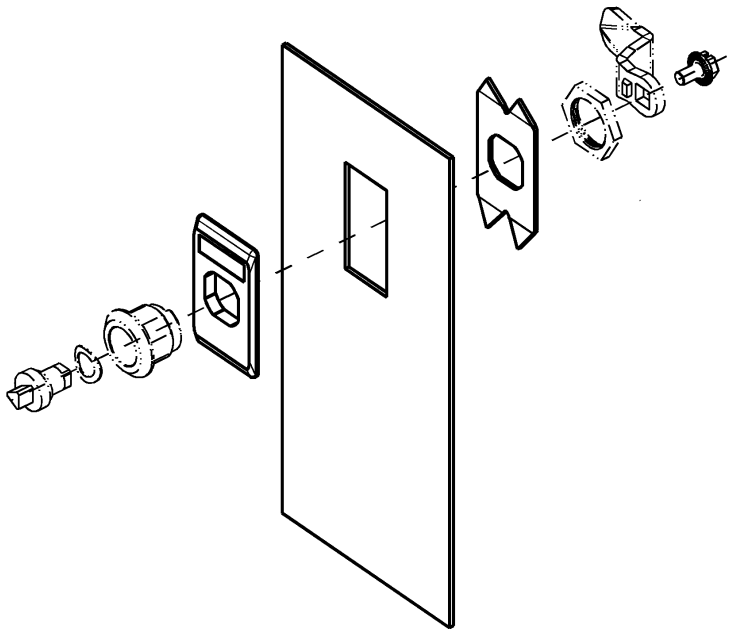
Escutcheon for quarterturn, program 1000

PROGRAM 1125

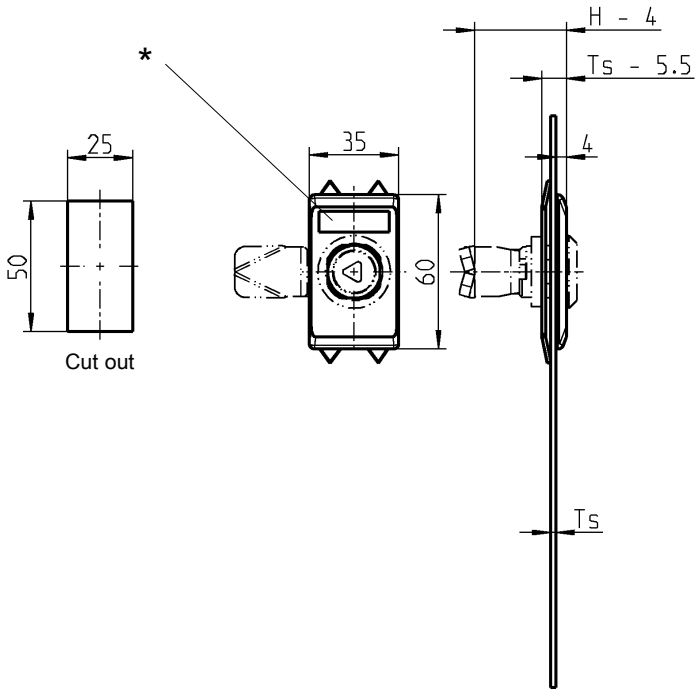
EDELSTAHL Rost frei STAINLESS STEEL

RL

IP 65







* Logo recess: 27 x 8 x 0,5
Multicolour print possible

Attention:
H-dimension of cam is
4 mm less,
TS is 5,5 mm less

Note:
IP 65 will be achieved by quarter turn with IP 65 protection

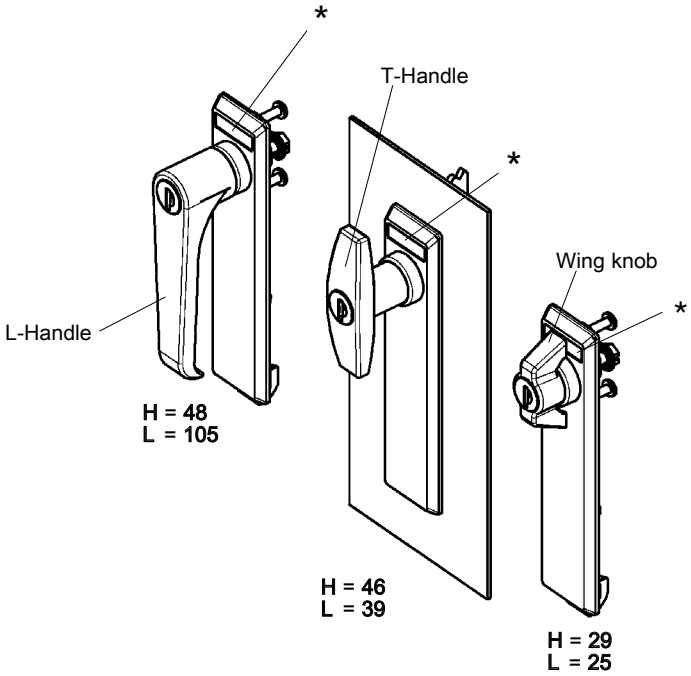
Further parts see page

– Quarter turn		1B-120
		1B-140
		1B-220
	up to	1B-320
		1B-360
	up to	1B-620
		1B-680
		1B-860

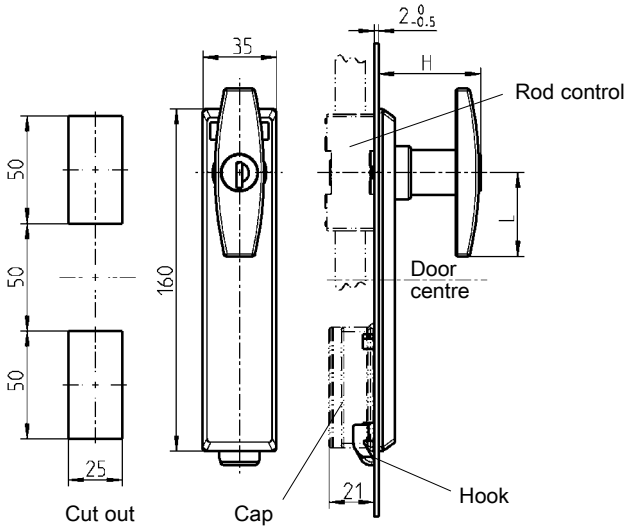
Escutcheon polyamide black, earthing plate m.s. zinc plated, with seal	
	1121-U168

Escutcheon with handle

PROGRAM 1125



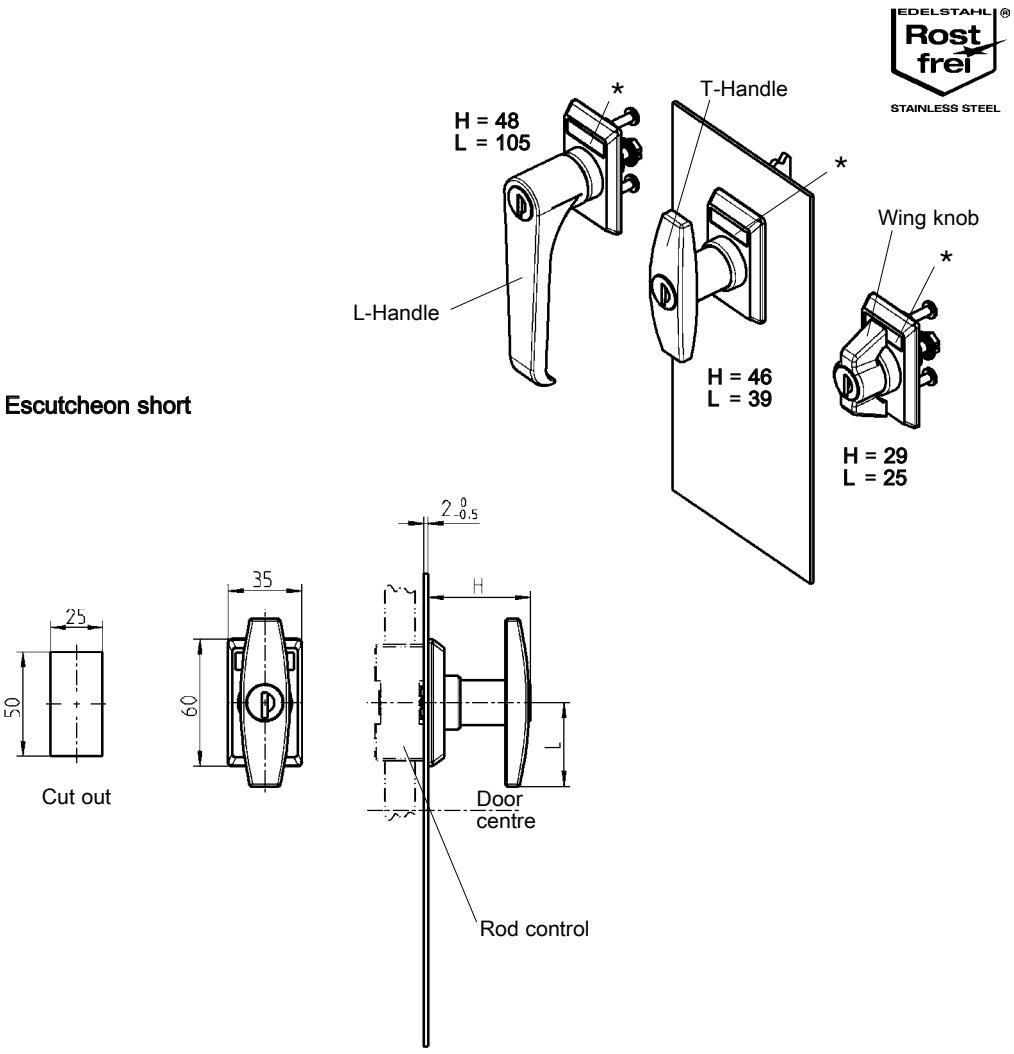
Escutcheon long

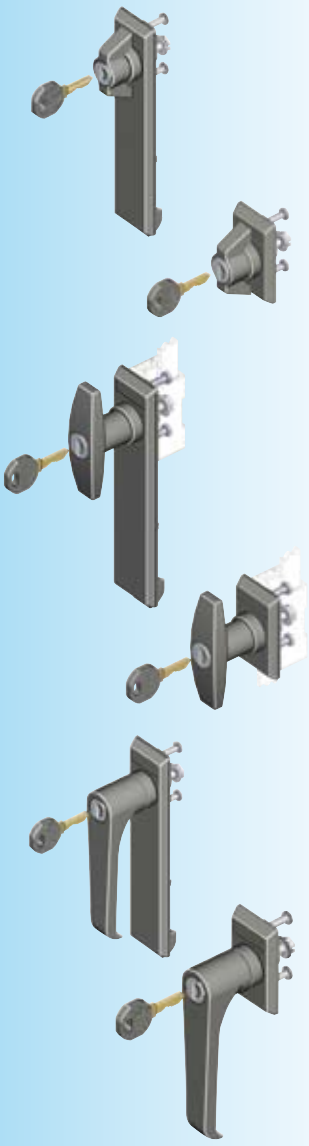


Each round cylinder has one silver steel key with polyamide grip GF black.

Escutcheon long polyamide GF black,fixing material m.s. zinc pl. or stainless steel, with seal			
	hook IP 40	snap on cap IP 40	screw on cap IP 65
Wingknob zinc die black powder coated			
non locking	1123-U1-6	1123-U1-N6	1123-U25-6
keyed EK 333	1123-U2-6	1123-U2-N6	1123-U26-6
keyed different	1123-U3-6	1123-U3-N6	1123-U27-6
Wing knob AISI 304			
non locking	1123-U41-6	1123-U41-N6	1123-U42-6
T-Handle zinc die black powder coated			
non locking	1123-U7-6	1123-U7-N6	1123-U28-6
keyed EK 333	1123-U8-6	1123-U8-N6	1123-U29-6
keyed different	1123-U9-6	1123-U9-N6	1123-U30-6
prepared for KABA 1036	1123-U21-6	–	–
T-Handle AISI 304			
non locking	1123-U38-6	1123-U38-N6	1123-U39-6
L-Handle zinc die black powder coated			
non locking	1123-U13-6	1123-U13-N6	1123-U31-6
keyed EK 333	1123-U14-6	1123-U14-N6	1123-U32-6
keyed different	1123-U15-6	1123-U15-N6	1123-U33-6
prepared for KABA 1036	1123-U19-6	–	–
L-Handle AISI 304			
non locking	1123-U34-6	1123-U34-N6	1123-U35-6







Ecscutcheon short polyamide Gf black, fixing material m.s. zinc pl. or stainless steel, with seal IP 65	
Wing knob zinc die black powder coated	
non locking	1123-U4-6
keyed EK 333	1123-U5-6
keyed different	1123-U6-6
Wing knob AISI 304	
non locking	1123-U40-6
T-Handle zinc die black powder coated	
non locking	1123-U10-6
keyed EK 333	1123-U11-6
keyed different	1123-U12-6
prepared for KABA 1036	1123-U22-6
T-Handle AISI 304	
non locking	1123-U37-6
L-Handle zinc die black powder coated	
non locking	1123-U16-6
keyed EK 333	1123-U17-6
keyed different	1123-U18-6
prepared for KABA 1036	1123-U20-6
L-Handle AISI 304	
non locking	1123-U36-6

* Logo recess: 27 x 8 x 0,5
Multicolour print possible

Further parts see page

– Key	12B-120
– Spare key	12B-140
– Rod control for long version	3YA-120 3YA-140
Short version	3YA-160
– Bearing bush	3YB-120
– Dust cap for T-Handle	1C-340

Swinghandle

PROGRAM 1125

Example:
[3] (21/26 mm)
→ Dimension for profile half cylinder 45 mm
→ Dimension for profile half cylinder 40 mm

Swinghandle polyamide black for profile half cylinder, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal

	snap on cap IP 40		screw on cap IP 65		hook IP 40	
	with dust cap	non dust cap	with dust cap	non dust cap	with dust cap	non dust cap
for cylinder 40 mm [3] (21)	1125-U191-NA	1125-U190-NA	1125-U191-A	1125-U190-A	1125-U186-A	1125-U185-A
for cylinder 45 mm [3] (26)	1125-U196-NA	1125-U195-NA	1125-U196-A	1125-U195-A	1125-U194-A	1125-U193-A
insert for padlock	(only swinghandle 1125-U190-A)			1125-73	–	–
with cylinder (Berlin version)	–	–	–	–	1125-U276-A	1125-U275-A
for ASSA cylinder	–	–	1125-U198-A	–	–	–

Swinghandle for profile half cylinder zinc die black powder coated, cap polyamide black, with seal

for cylinder 40 mm [3] (21)	–	–	1125-U191-AQA	on request	–	–

Swinghandle for profile half cylinder AISI 316 ,shaft AISI 303, cap polyamide black, with seal

for cylinder 40 mm [3] (21)	–	–	1125-U191-APH	on request	–	–

Swinghandle polyamide GF black with insert double bit, zinc die chrome plated, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal

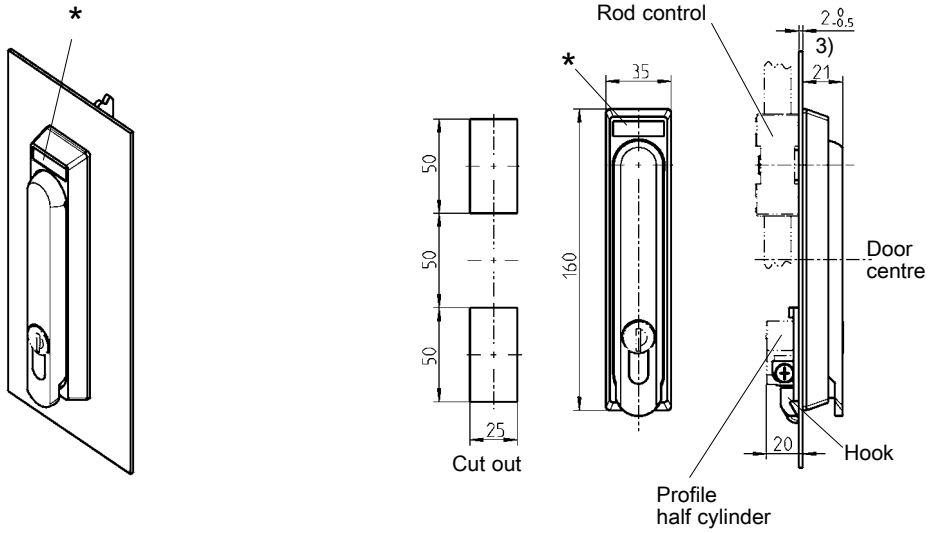
	snap on cap IP 40	screw on cap IP 65
Double bit 3 (Key 1004-05) [1] [2]	1125-U236-NA	1125-U236-A
Double bit 5 (Key 1004-06) [1] [2]	1125-U239-NA	1125-U239-A

Swinghandle polyamide GF black, with round cylinder incl. stainless steel cap and shutter or insert m.s. zinc plated, shaft zinc die chrome plated, fixing material m.s. zinc plated, with seal. Each round cylinder with one key silver steel with black polyamide GF grip

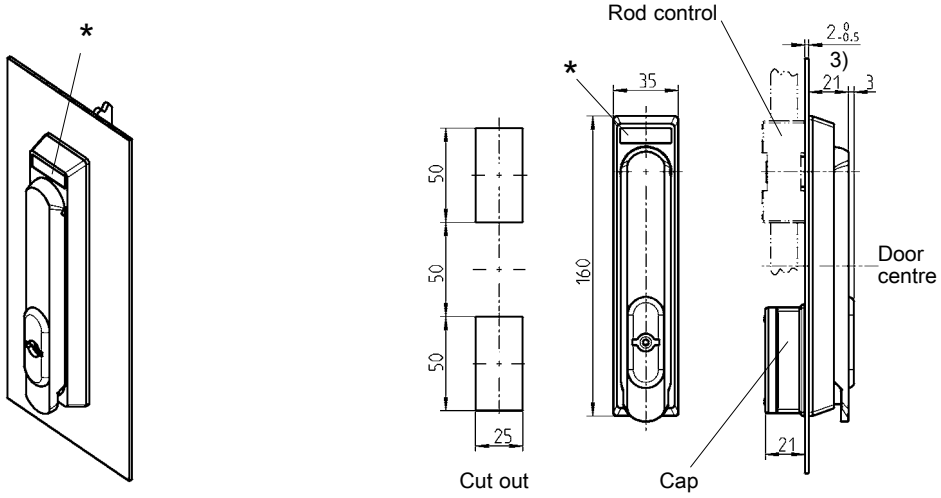
	snap on cap IP 40		screw on cap IP 65		hook IP 40
	with dust cap	non dust cap	with dust cap	non dust cap	non dust cap
round cylinder keyed EK 333	1125-U206-NA	1125-U202-NA	1125-U206-A	1125-U202-A	1125-U268-A
round cylinder keyed different	1125-U207-NA	1125-U203-NA	1125-U207-A	1125-U203-A	1125-U269-A
Square 6 [1]	1125-U242-NA	1125-U210-NA	1125-U242-A	1125-U210-A	on request
Square 7 [1] [2]	1125-U243-NA	1125-U211-NA	1125-U243-A	1125-U211-A	on request
Square 8 [1] [2]	1125-U244-NA	1125-U212-NA	1125-U244-A	1125-U212-A	on request
Square 8 slotted	1125-U245-NA	1125-U213-NA	1125-U245-A	1125-U213-A	on request
Triangular 6,5 CNOMO	1125-U246-NA	1125-U214-NA	1125-U246-A	1125-U214-A	on request
Triangular 7 [1]	1125-U247-NA	1125-U215-NA	1125-U247-A	1125-U215-A	on request
Triangular 8 [1] [2]	1125-U248-NA	1125-U216-NA	1125-U248-A	1125-U216-A	on request
Triangular 9	1125-U249-NA	1125-U217-NA	1125-U249-A	1125-U217-A	on request
Triangular 10	1125-U250-NA	1125-U218-NA	1125-U250-A	1125-U218-A	on request
Hexagon female 10 SW 10	1125-U251-NA	1125-U219-NA	1125-U251-A	1125-U219-A	on request
Female Square 6	1125-U252-NA	1125-U220-NA	1125-U252-A	1125-U220-A	on request
Female Square 8	1125-U253-NA	1125-U221-NA	1125-U253-A	1125-U221-A	on request
Daimler Benz	1125-U254-NA	1125-U222-NA	1125-U254-A	1125-U222-A	on request
Slot 1,2 x 3	1125-U255-NA	1125-U223-NA	1125-U255-A	1125-U223-A	on request
Slot 2 x 4 [1] [2]	1125-U256-NA	1125-U224-NA	1125-U256-A	1125-U224-A	on request
Crown type	1125-U257-NA	1125-U225-NA	1125-U257-A	1125-U225-A	on request
Eastern Europe Ø 13	1125-U282-NA	1125-U283-NA	1125-U282-A	1125-U283-A	on request

EDELSTAHL Rostfrei STAINLESS STEEL

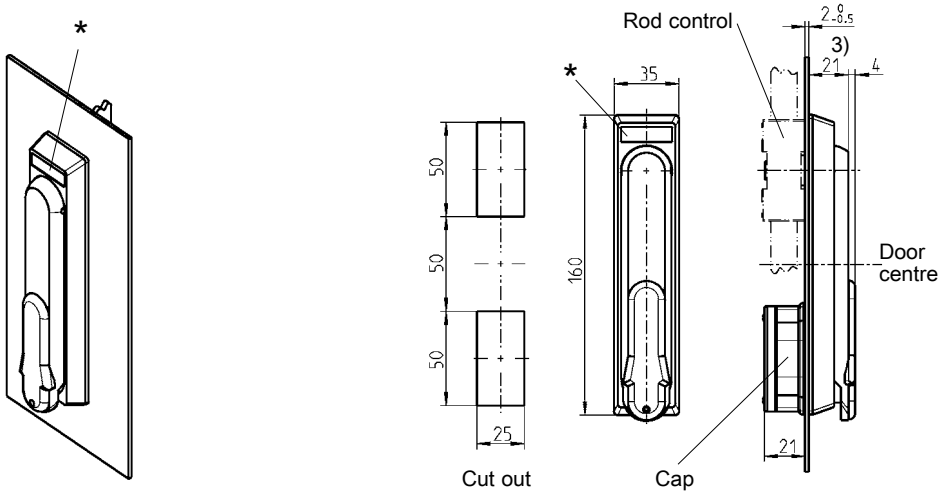
Swinghandle for profile half cylinder

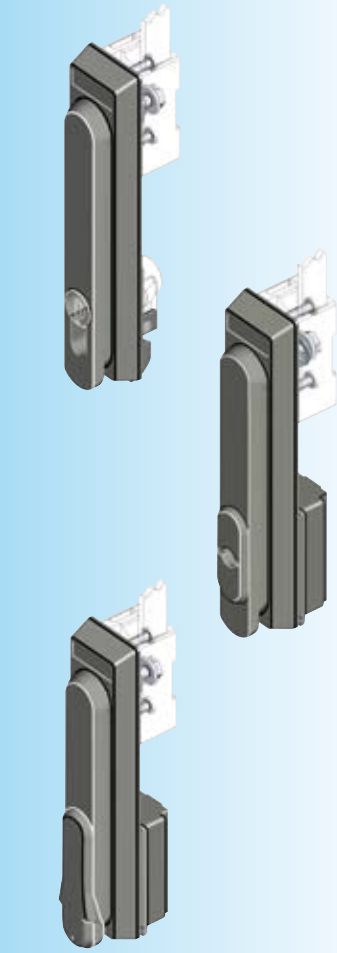


Swinghandle with double bit



Swinghandle with round cylinder or insert





* Logo recess: 27 x 8 x 0,5
Multicolour print possible

Further parts see page

– Key	12B-120
– Rod control	3YA-120
	3YA-140
– Bearing bush	3YB-120
– Profile half cylinder	3XB-120

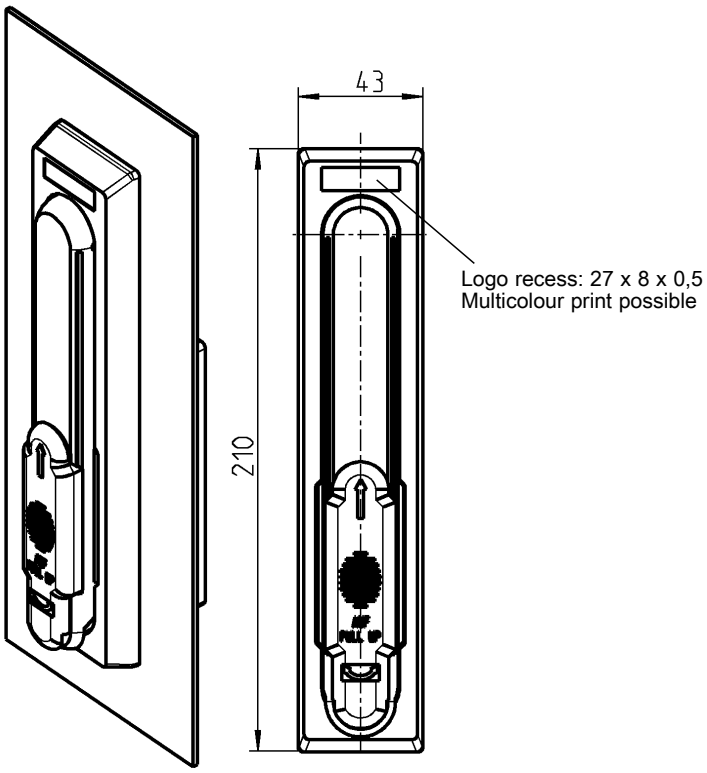
On request insert in

[1] Zinc die black p.c.
[2] polyamide black
– Cap without foamed seal for small bending area on request
– EMC-version

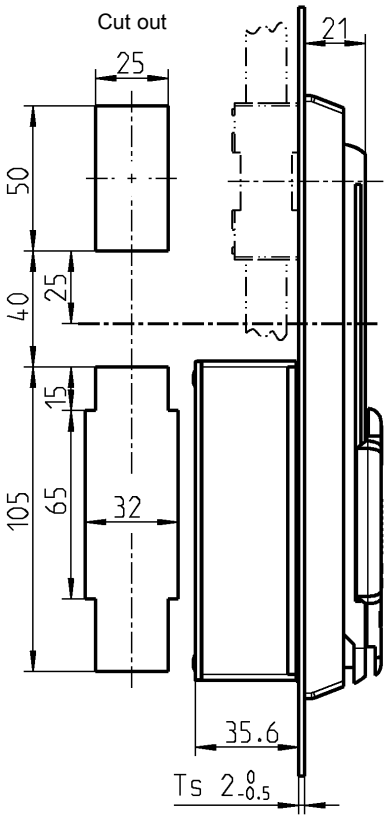
Swinghandle

PROGRAM 1125

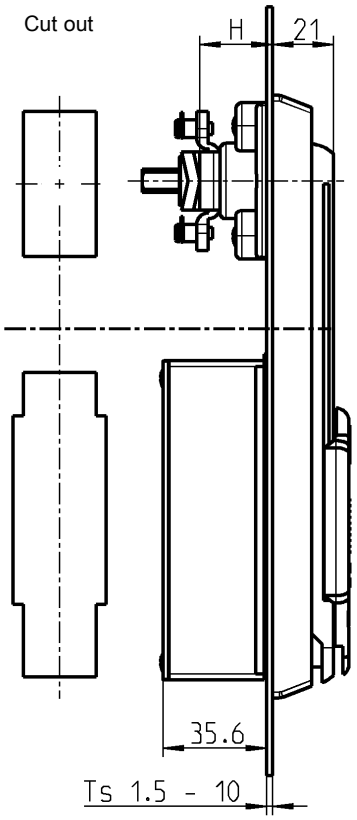
Double and single profile half cylinder swinghandle



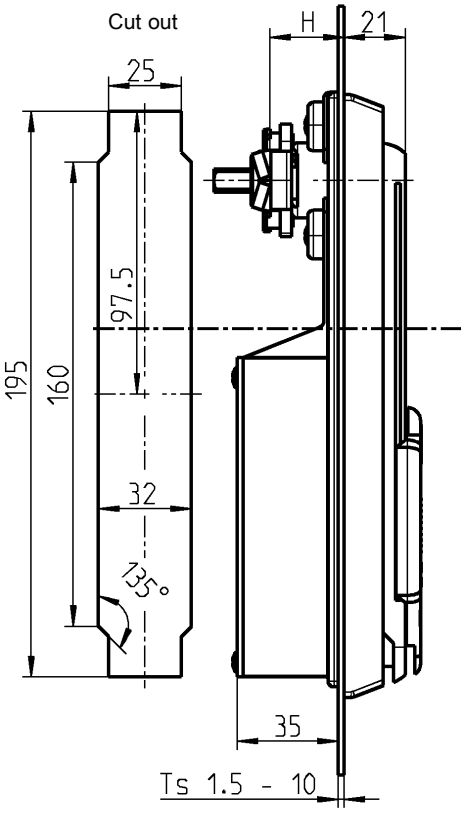
Version A

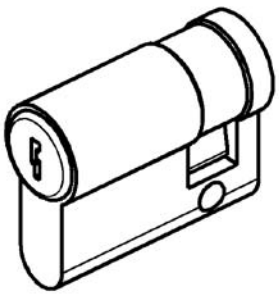


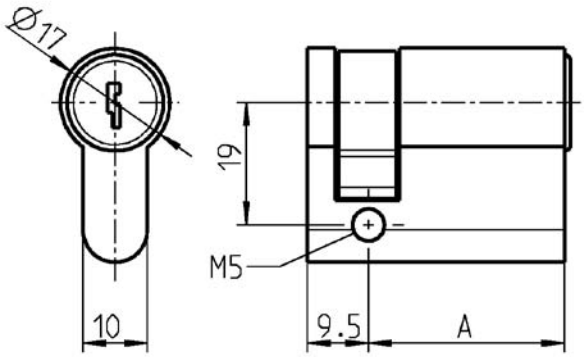
Version B



Version C



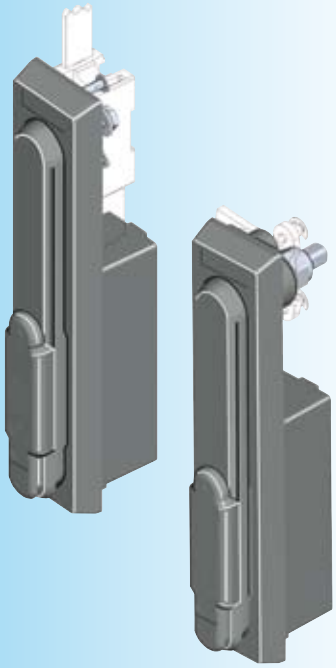




Double and single profile half cylinder swinghandle
suitable for profile half cylinder with A = 30 and 35.



Earthing with version A possible!



Swinghandle profile half cylinder, polyamide GF black, shaft brass, interlock zinc die, spring zinc plated. fixing material m.s. zinc plated or stainless steel, with seal	
Version A for rod control	
Double cylinder-swinghandle with one-key operation Key always removable	1125-U51-A
Single cylinder-swinghandle Key always removable	1125-U55-A
Double cylinder-swinghandle with one-key operation Key always removable	1125-U53-A
Version B with bearing bush	
Double cylinder-swinghandle with one-key operation Key always removable	1125-U57-A
Single cylinder-swinghandle Key always removable	1125-U58-A
Double cylinder-swinghandle with one-key operation Key always removable	1125-U56-A
Double cylinder-swinghandle with 2-key operation Key always removable	1125-U289
Version C with bearing bush	
Double cylinder-swinghandle with one-key operation Key always removable	1125-U60-A
Single cylinder-swinghandle Key always removable	1125-U61-A
Double cylinder-swinghandle with one-key operation Key always removable	1125-U59-A

Single key operation
Handle can be opened when one cylinder is unlocked.
Removal of key on choice

2-key operation
The handle can only be opened when both cylinders are unlocked.
Removal of key on choice
The 2-key operation is a RH version.
For profile half cylinder A = 30.

Further parts see page
- Rod control for Version A 3YA-220 3YA-240
- Cam for Version B 3YC-120
- Rod control vor cam for version B 3YC-180
- Cam for Version C (H = 25 + Ts = 2) 3YC-140
- Profile half cylinder 3XB-220

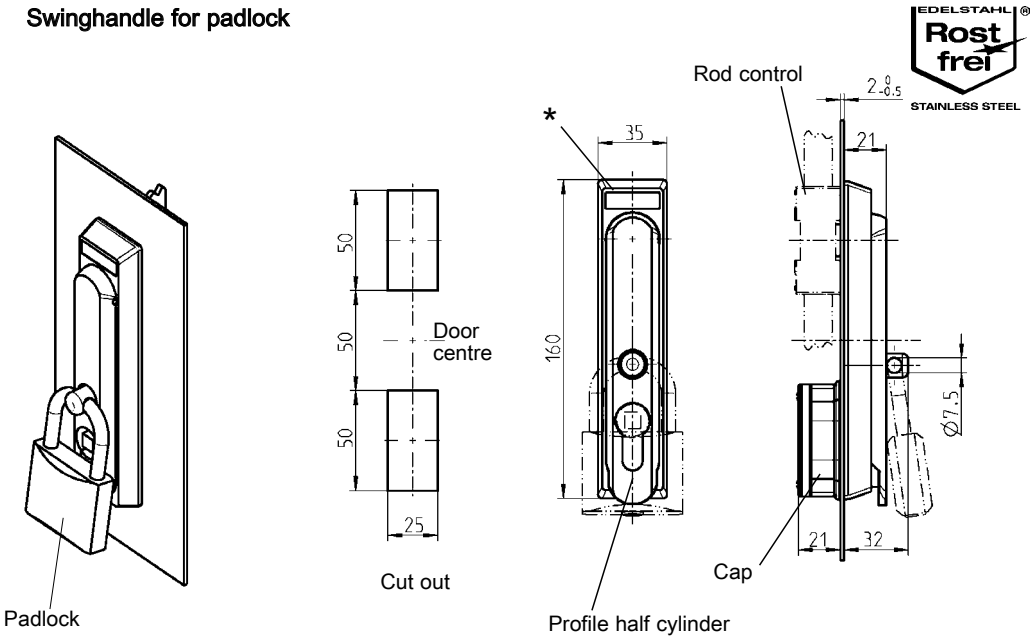
EMKA®

Beschlagteile

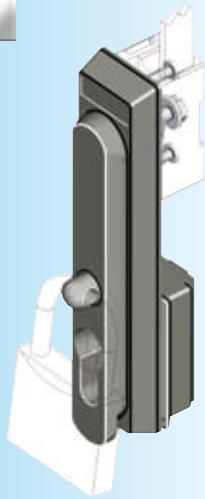
Notes:

Swinghandle
PROGRAM 1125

Swinghandle for padlock



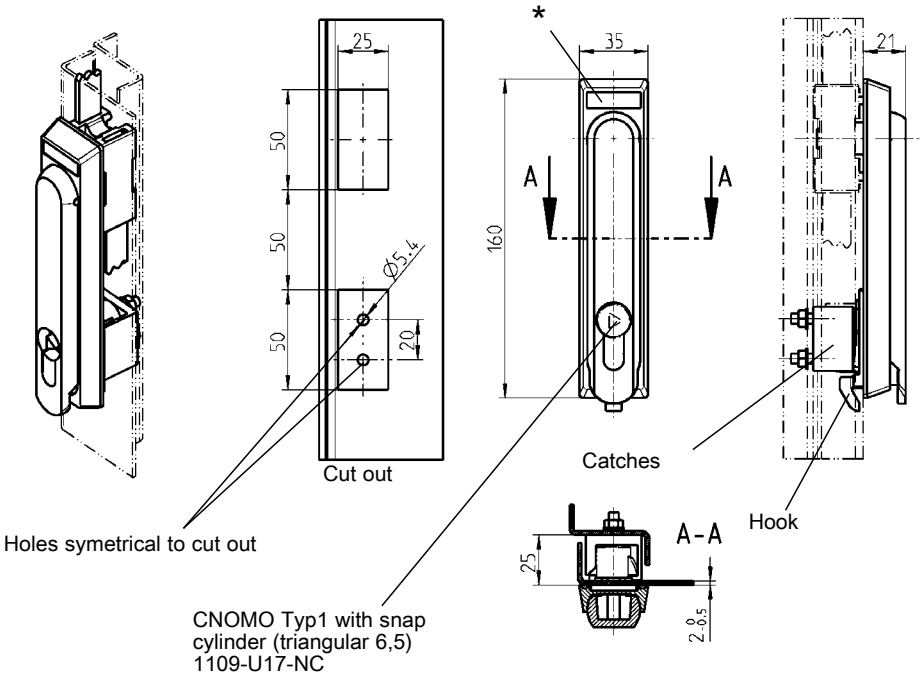
Swinghandle polyamide GF black, fixing material m.s. zinc pl, with seal	
	1125-U184-A
Swinghandle profile half cylinder AISI 316, cap polyamide black, with seal	
	1125-U184-APH
Ford-Version with	
profile half cylinder square (7 mm)	1109-U5-N

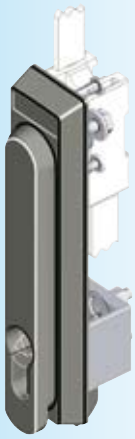


Further parts see page
– Bearing bush 3YB-120
– Rod control 3YA-120
3YA-140
– Profile half cylinder 3XB-120

* Logo recess: 27 x 8 x 0,5
Multicolour print possible

Swinghandle for CNOMO





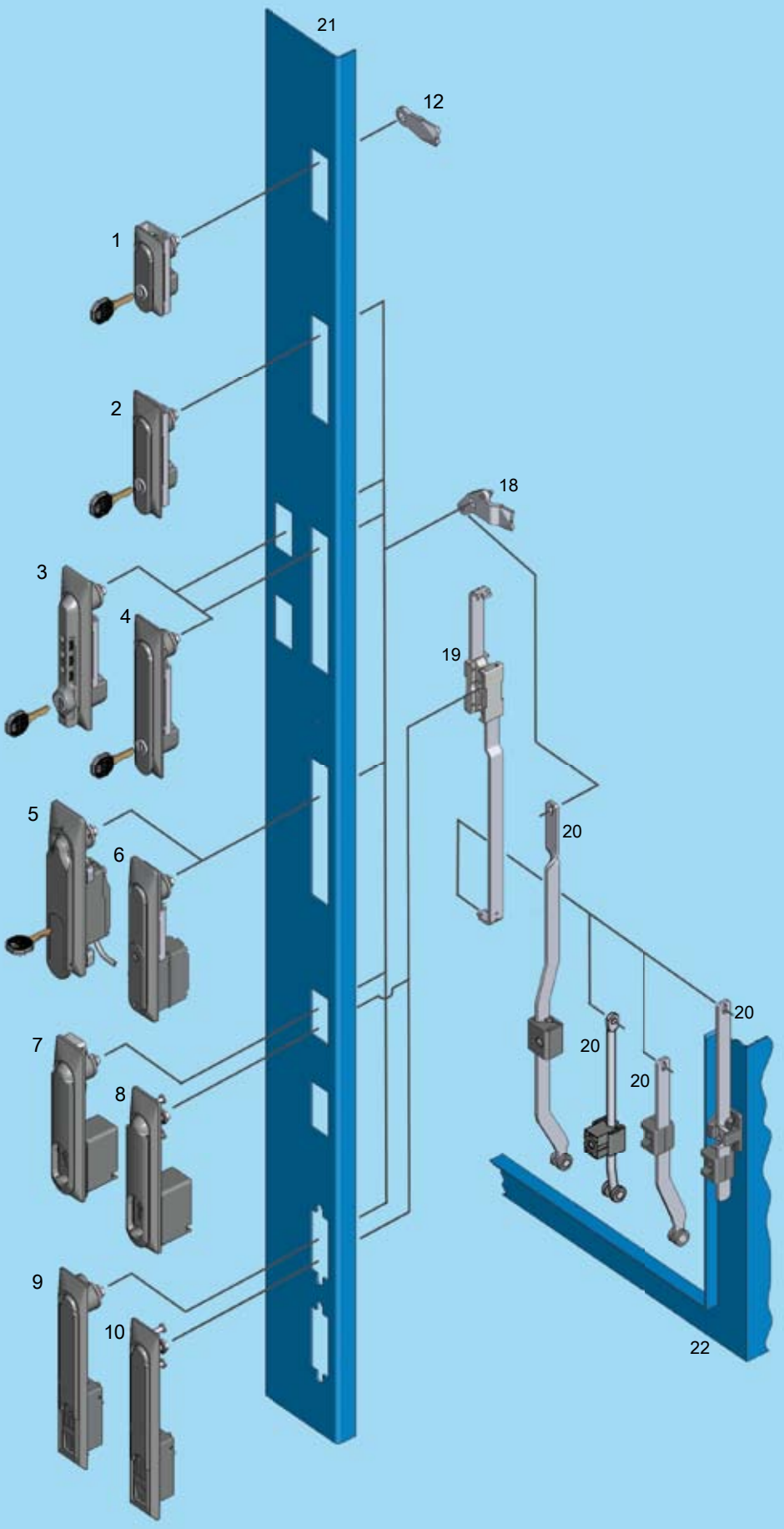
Note:
For CNOMO version swinghandle is only applicable outside the gasketing!

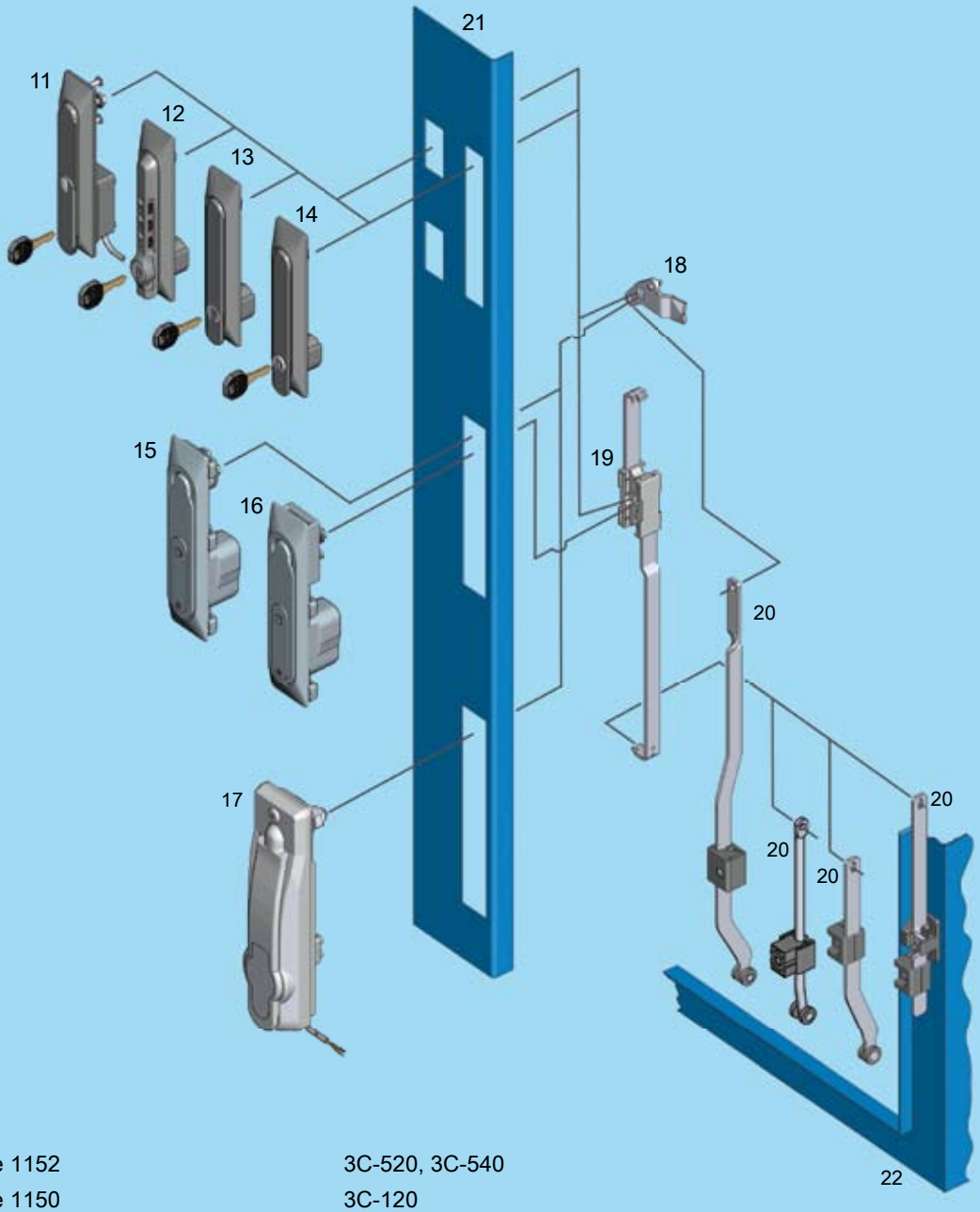
Handle is spring loaded and can only be locked if the door is completely closed (Visual check)

Swinghandle profile half cylinder, polyamide GF black, catch zinc die zinc plated, fixing material m.s. zinc pl.	
without dust cap	1125-U200-A
with dust cap	1125-U201-A

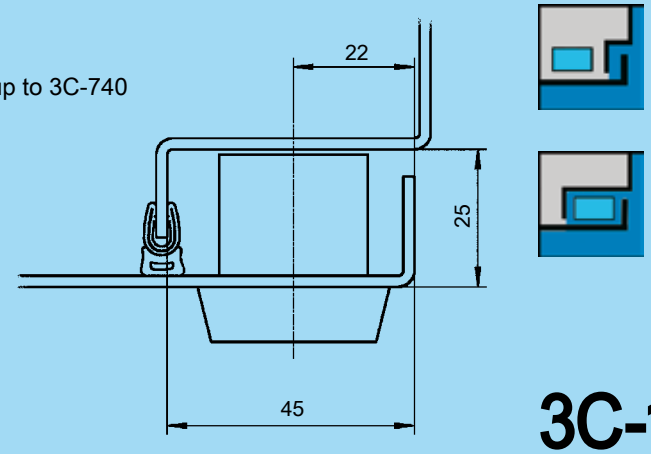
Further parts see page
– Rod control 3YA-120
– Profile half cylinder 3XB-120
(Push button profile half cylinder not applicable)

Swinghandle 1150





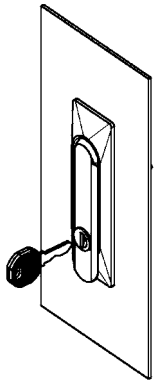
1	Swinghandle 1152	3C-520, 3C-540
2	Swinghandle 1150	3C-120
3	Swinghandle 1155	3C-620
4	Swinghandle 1150	3C-120, 3C-140
5	Swinghandle 1154 electromechanically	3C-240
6	Swinghandle 1154	3C-220
7	Swinghandle 1153 for cam	3C-320
8	Swinghandle 1153 for rod control	3C-320
9	Swinghandle 1151 for cam	3C-420
10	Swinghandle 1151 for rod control	3C-440
11	Swinghandle 1150 electromechanical	3C-160
12	Swinghandle 1155 with universal escutcheon	3C-750
13	Swinghandle 1150 with universal escutcheon and “Push to Lock”-action	3C-740
14	Swinghandle 1150 with universal escutcheon	3C-720 up to 3C-740
15	Swinghandle 1154 with WK2 for cam	3C-260
16	Swinghandle 1154 with WK2 for rod control	3C-260
17	Swinghandle 1154 electromechanical with WK2	3C-280
18	Cam	
19	Rod control	
20	Rods	
21	Door	
22	Cabinet/frame	

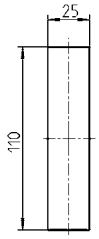


Swinghandle 1150

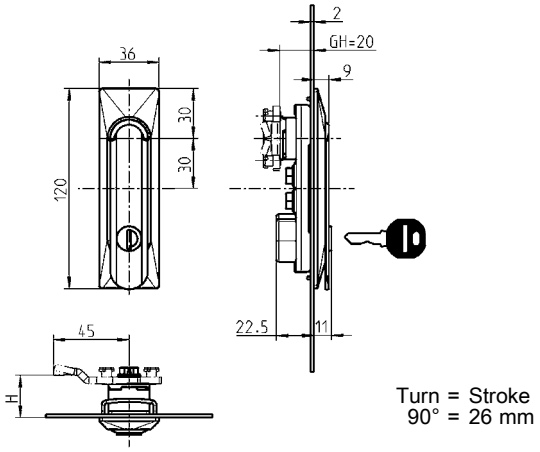
PROGRAM 1150

Version A (small)



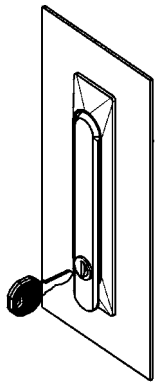


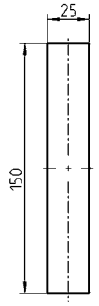
Cut out



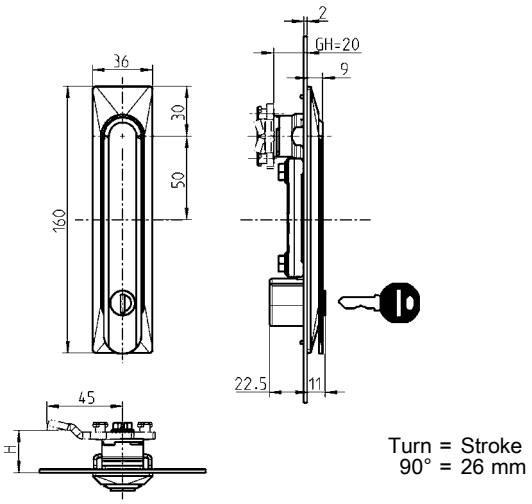
Turn = Stroke
90° = 26 mm

Version B (normal)





Cut out



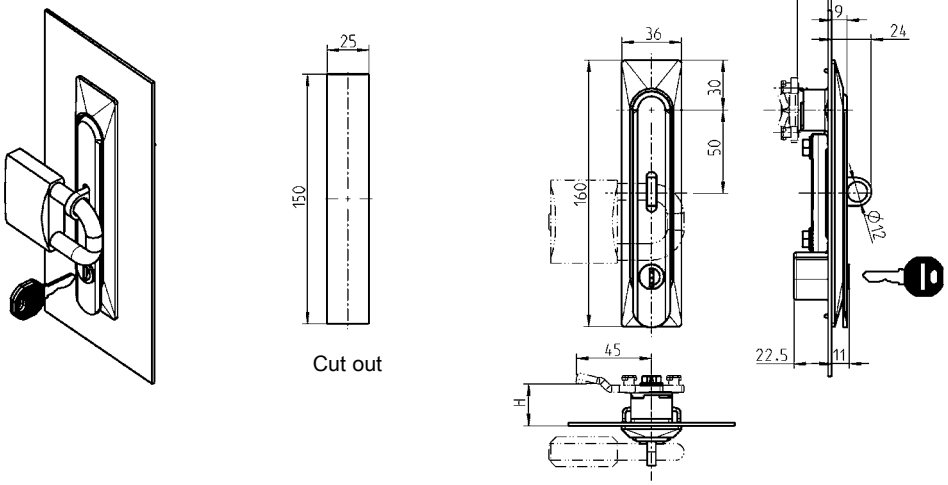
Turn = Stroke
90° = 26 mm

* EMC-Version 1150-U2-E

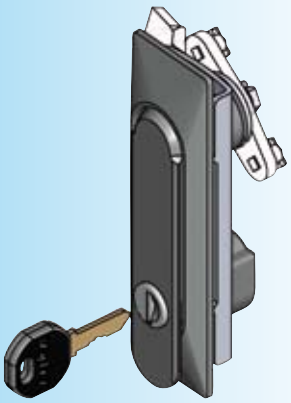
	Swinghandle zinc die black powder coated, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc plated, shaft zinc die zinc plated, with seal, swinghandle is earthed		Swinghandle polyamide GF black, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc plated, shaft zind die zinc plated, with seal		Swinghandle zinc die black powder coated and escutcheon polyamide black, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc plated, shaft zinc die zinc plated, with seal	
Version	**A**	**B**	**A**	**B**	**A**	**B**
keyed EK 333	1150-U1	1150-U2*	1150-U1-02	1150-U2-02	1150-U1-03	1150-U2-03
keyed different	1150-U3	1150-U4	1150-U3-02	1150-U4-02	1150-U3-03	1150-U4-03
Insert zinc die chrome pl.						
Square 6	1150-U20	1150-U9	1150-U20-02	1150-U9-02	1150-U20-03	1150-U9-03
Square 7	1150-U21	1150-U10	1150-U21-02	1150-U10-02	1150-U21-03	1150-U10-03
Square 8	1150-U22	1150-U11	1150-U22-02	1150-U11-02	1150-U22-03	1150-U11-03
Triangular 6,5 CNOMO	1150-U32	1150-U31	1150-U32-02	1150-U31-02	1150-U32-03	1150-U31-03
Triangular 7	1150-U23	1150-U12	1150-U23-02	1150-U12-02	1150-U23-03	1150-U12-03
Triangular 8	1150-U24	1150-U13	1150-U24-02	1150-U13-02	1150-U24-03	1150-U13-03
Double bit 3	1150-U25	1150-U14	1150-U25-02	1150-U14-02	1150-U25-03	1150-U14-03
Double bit 5	1150-U26	1150-U15	1150-U26-02	1150-U15-02	1150-U26-03	1150-U15-03
Daimler Benz	1150-U27	1150-U16	1150-U27-02	1150-U16-02	1150-U27-03	1150-U16-03
Slot 2x4	1150-U28	1150-U17	1150-U28-02	1150-U17-02	1150-U28-03	1150-U17-03
Hexagon 8 mm female with pin	1150-U29	1150-U18	1150-U29-02	1150-U18-02	1150-U29-03	1150-U18-03
Male hexagon 11 mm	1150-U30	1150-U19	1150-U30-02	1150-U19-02	1150-U30-03	1150-U19-03
Push button	on request	on request	on request	on request	1150-U55-03	on request

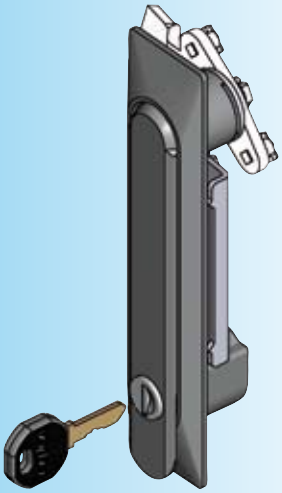


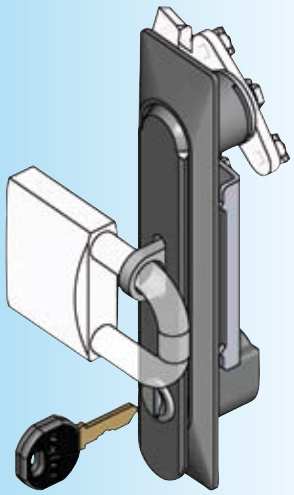
Version B
for padlock



Each round cylinder has one silver steel key with polyamide grip GF black.







Swinghandle zinc die black powder coated, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc plated, shaft zinc die zinc plated with seal, swinghandle is earthed	
Version B for padlock	
keyed EK 333	1150-U2-01
keyed different	1150-U4-01
Insert zinc die chrome pl.	
Square 6	1150-U9-01
Square 7	1150-U10-01
Square 8	1150-U11-01
Triangular 6,5 CNOMO	1150-U31-01
Triangular 7	1150-U12-01
Triangular 8	1150-U13-01
Double bit 3	1150-U14-01
Double bit 5	1150-U15-01
Daimler Benz	1150-U16-01
Slot 2x4	1150-U17-01
Hexagon 8 female with pin	1150-U18-01
Hexagon 11 male	1150-U19-01
Push button	on request

Further parts see page
– Key 12B-120
– Spare key 12B-140
– Cam (GH = 20) 3YC-140

On request:
– handle blank
(no locking system)

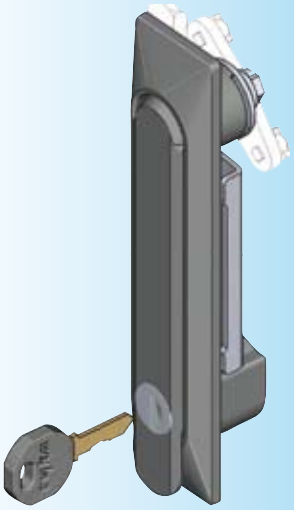
EMKA®

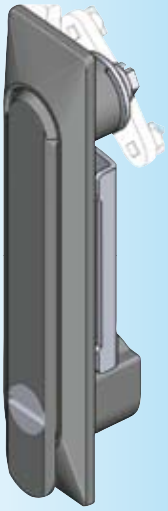
Beschlagteile

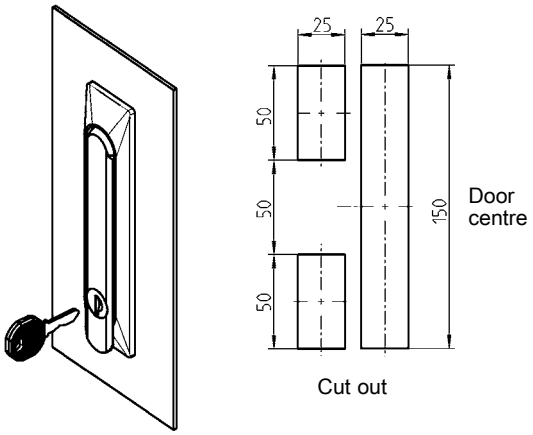
Swinghandle* 1150

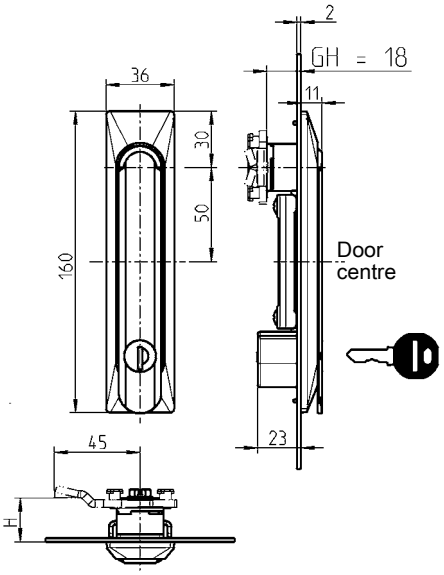
PROGRAM 1150











Swinghandle zinc die black powder coated, escutcheon polyamide black, fixing material m.s. zinc plated, shaft zinc die zinc plated, round cylinder with stainless steel cap and shutter, with seal Each round cylinder has one silver steel key with polyamide grip GF black.	
keyed EK 333	1150-U33-03
keyed different	1150-U34-03
Inserts: Chrome plated zinc alloy	
Square 6	1150-U36-03
Square 7	1150-U37-03
Square 8	1150-U38-03
Triangular 6,5 CNOMO	1150-U39-03
Triangular 7	1150-U40-03
Triangular 8	1150-U41-03
Double bit 3	1150-U42-03
Double bit 5	1150-U43-03
Daimler Benz	1150-U44-03
Slot 2x4	1150-U35-03
Hexagon female 8 with pin	1150-U45-03
Hexagon 11 male	1150-U46-03

* can be assembled in cut out of 1125/1225

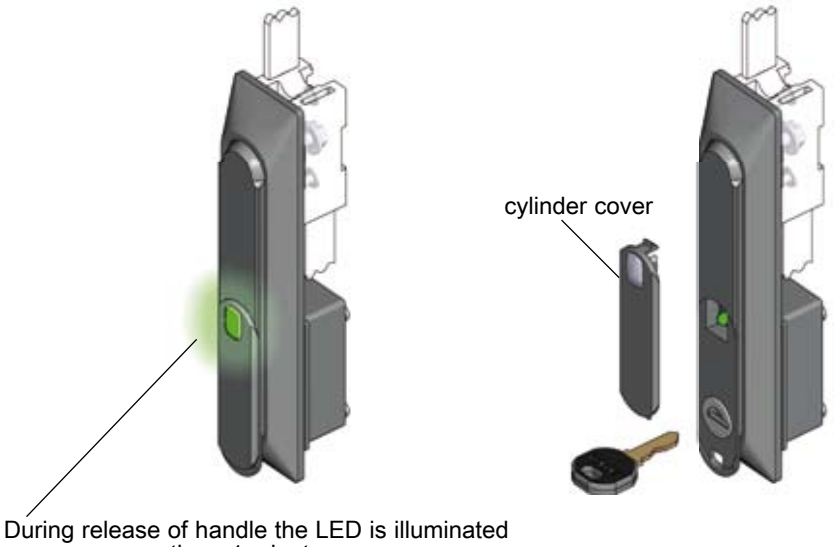
Further parts see page
– Key 12B-120
– Spare key 12B-140
– Cam (GH = 18) 3YC-120

On request:
– Key retained in the open position of the cylinder
– Other inserts

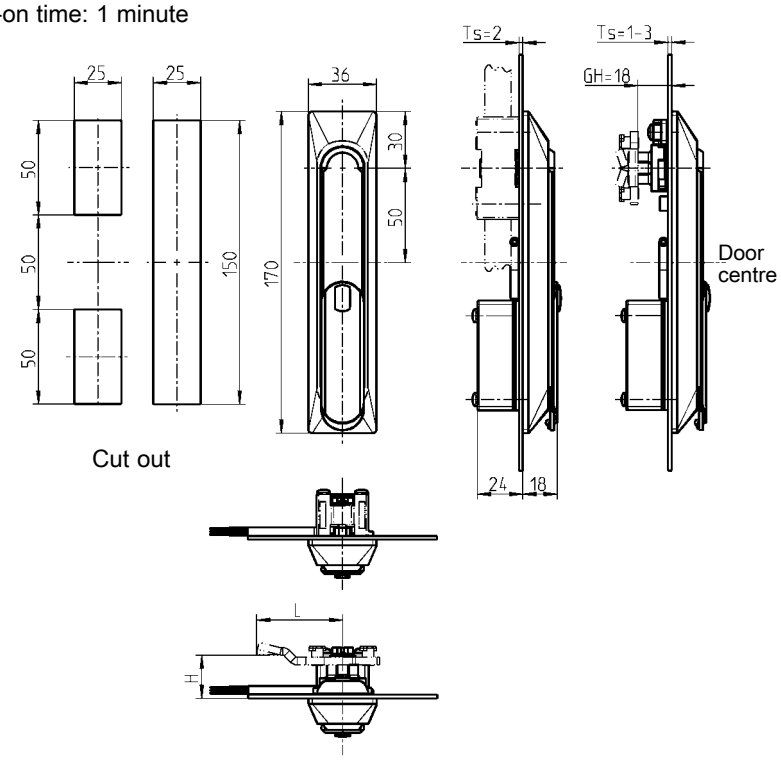
Swinghandle 1150 with electromechanical release and emergency opening

PROGRAM 1150

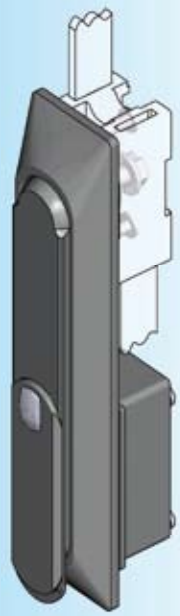
This handle is suitable for locking of indoor cabinets. It is released by applying a voltage signal of 12 V or 24 V DC. After the handle has been pressed briefly into the dish, it can be opened. The integrated reed contact indicates the handle status. To lock the handle it must be pressed into the dish until the closing mechanism engages. The key provided is used to open the handle in case of power failure. For this the cover over the locking cylinder must be removed. The cover will be destroyed thereby and must be replaced.



During release of handle the LED is illuminated
max. power-on time: 1 minute



Cut out





Swinghandle zinc die black powder coated, cap and sliding dust cap polyamide GF black, shaft AISI 303, round cylinder with stainless steel cap and shutter, solenoid with electronics, reed contact and LED, cable (4 m), fixing material m.s. zinc plated Each round cylinder has one silver steel key with polyamide grip GF black.		
	keyed EK 333	keyed different
Solenoid 12V, for rod control	1150-U56	1150-U56-V
Solenoid 24V, for rod control	1150-U56-01	1150-U56-01V
Solenoid 12V, for cam	1150-U58	1150-U58-V
Solenoid 24V, for cam	1150-U58-01	1150-U58-01V
Cylinder cover polyamide GF black (spare part)		
		1150-B33

Further parts see page

– Cams (GH = 18) 3YC-120
– Rod control 3YA-120
3YA-140
– Spare key 12B-140

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Beschlagteile

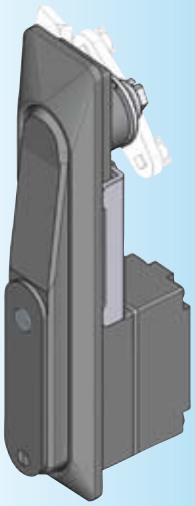
Swinghandle 1154

PROGRAM 1150

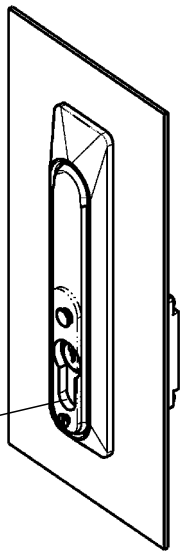
RL IP 65 INOX AISI 3..

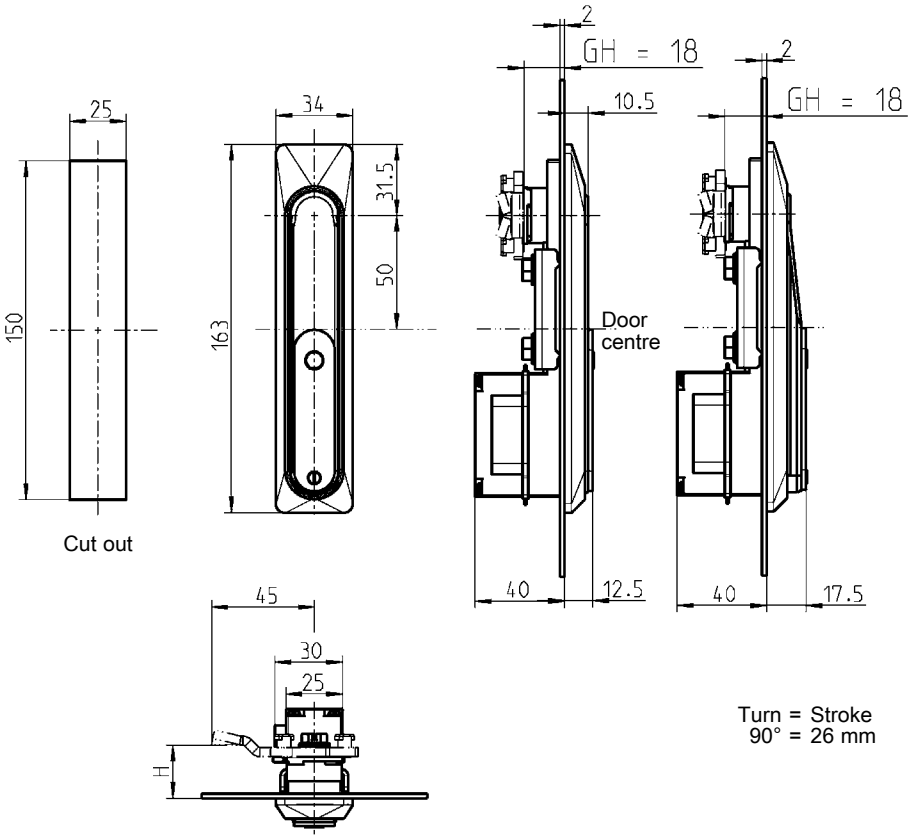
EDELSTAHL Rostfrei STAINLESS STEEL

Vandalism resistant









Turn = Stroke
90° = 26 mm

Suitable for profile half cylinder (length A = 30 or A = 35) DIN 18252 (EN 1303)

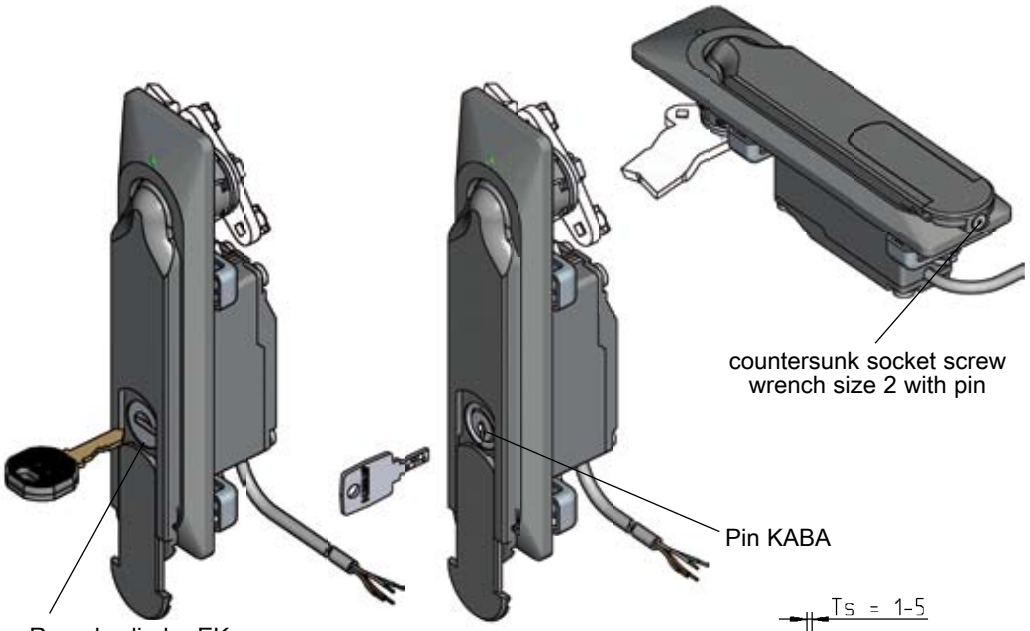
Swinghandle zinc die black powder coated, cap polyamide black, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal,	
for profile half cylinder 40	1154-U1
for profile half cylinder 45	1154-U3
Swinghandle AISI 316, shaft AISI 303, cap polyamide black, fixing material stainless steel, with seal	
for profile half cylinder 40	1154-U2

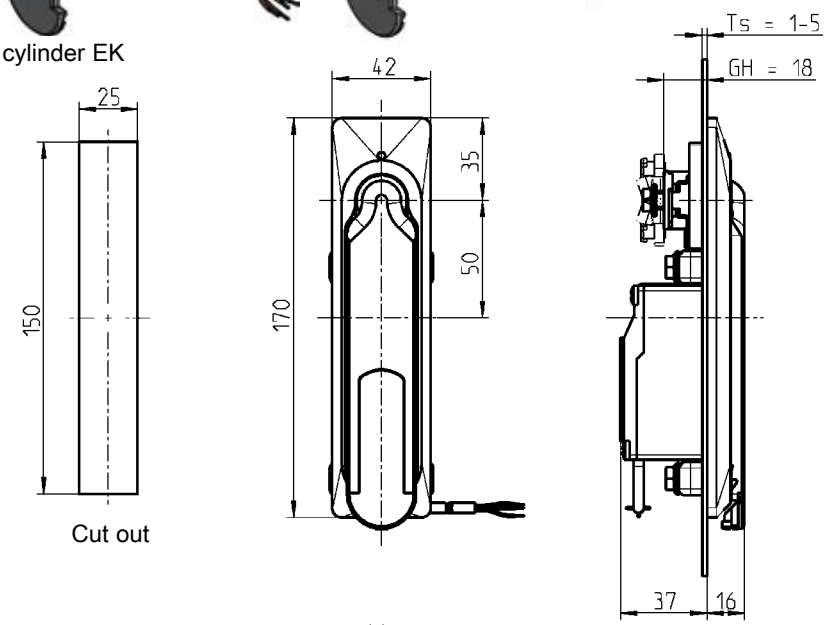
Further parts see page
– Cam (GH = 18) 3YC-120
– Profile half cylinder 3XB-120

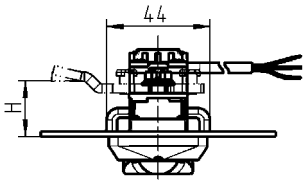
Swinghandle 1154 with electromechanical release and emergency opening

PROGRAM 1150

This handle is suitable to lock cabinets in outdoor installation.It is released by applying a 48 V DC signal. After the handle has been pressed briefly into the dish, it can be opened. The integrated reed contact indicates the handle status. To lock the handle must be pressed into the dish until the locking mechanism engages. The key provided is used to open the handle in case of power failure. Remove screw M3 to open the cylinder cover. Opening via round bolt cylinder is now possible.

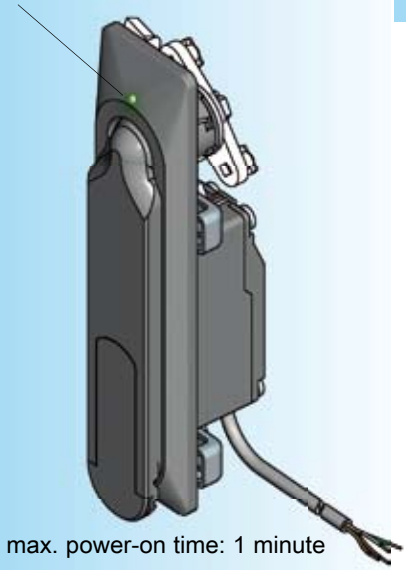




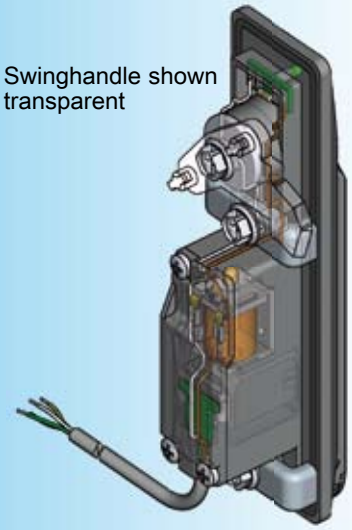


H-dimension starting at 33 mm

During release of handle the LED is illuminated.



max. power-on time: 1 minute



Swinghandle shown transparent

Swinghandle zinc die black powder coated, cap and dust cap polyamide GF black, shaft zinc die zinc plated, holder AISI 304, round cylinder EK with stainless steel cap and shutter, brass pin, solenoid with electronics, reed contact and LED, cable (4 m), screw M3 for cylinder cover AISI 304, fixing material m.s. zinc plated, with seal.
Each cylinder EK with one key silver steel with grip polyamide GF black

Round cylinder EK; keyed EK 333	1154-U6
Round cylinder EK; keyed different	1154-U6-V
Pin KABA Micron Plus	1154-U6-01V

Further parts see page
– Cam (stroke 26) H-dimension as of 33 mm — 3YC-120
– Rod — on request
– Spare key EK — 12B-140
KABA — on request

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Notes:

Stainless steel swinghandle 1154 with WK2

PROGRAM 1150

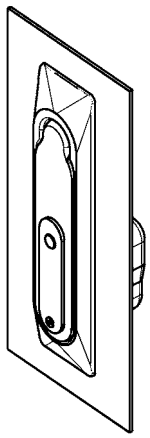
Suitable for profile half cylinder
(Length A=30) DIN 18252 (EN 1303)

EDELSTAHL Rostfrei STAINLESS STEEL

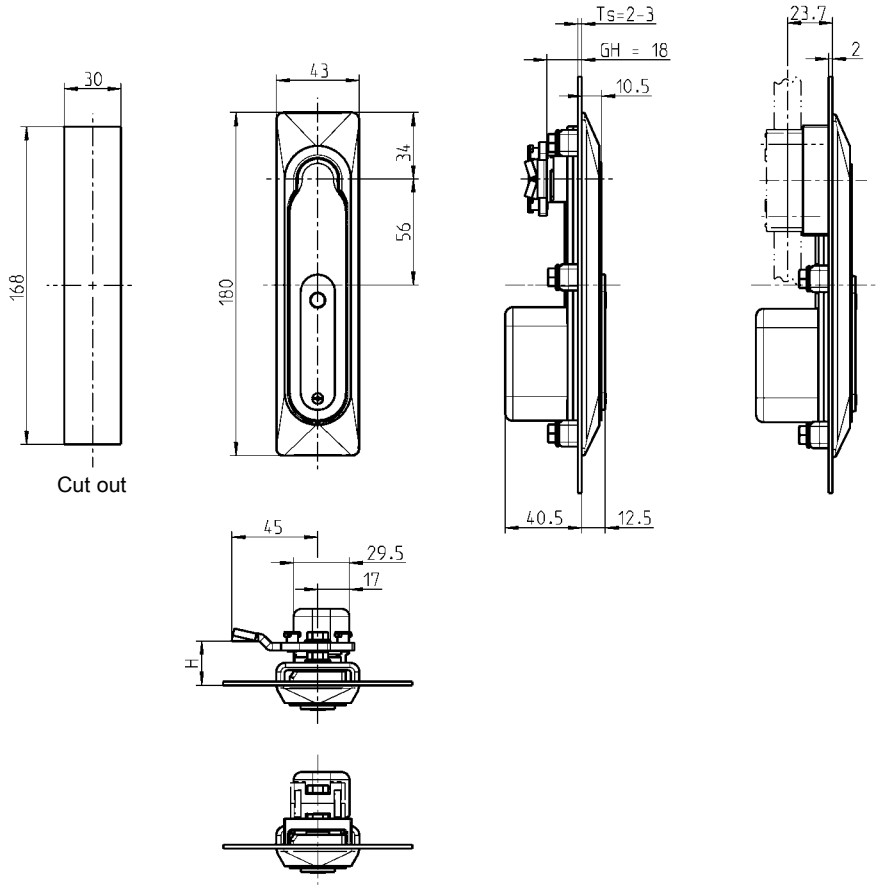
RL

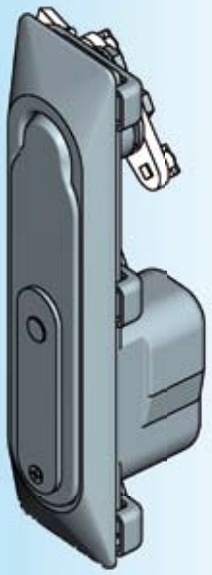
IP 65

INOX AISI 3..

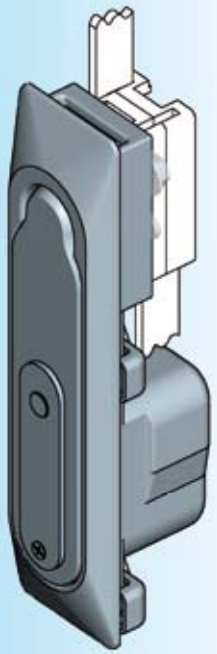


PIV Test certificate 20-15/07
The swinghandle has successfully passed the test according to WK 2 DIN V ENV 1630. The test was approved by the Test Institute for Locks and Fittings Velbert





Turn 90° with cam



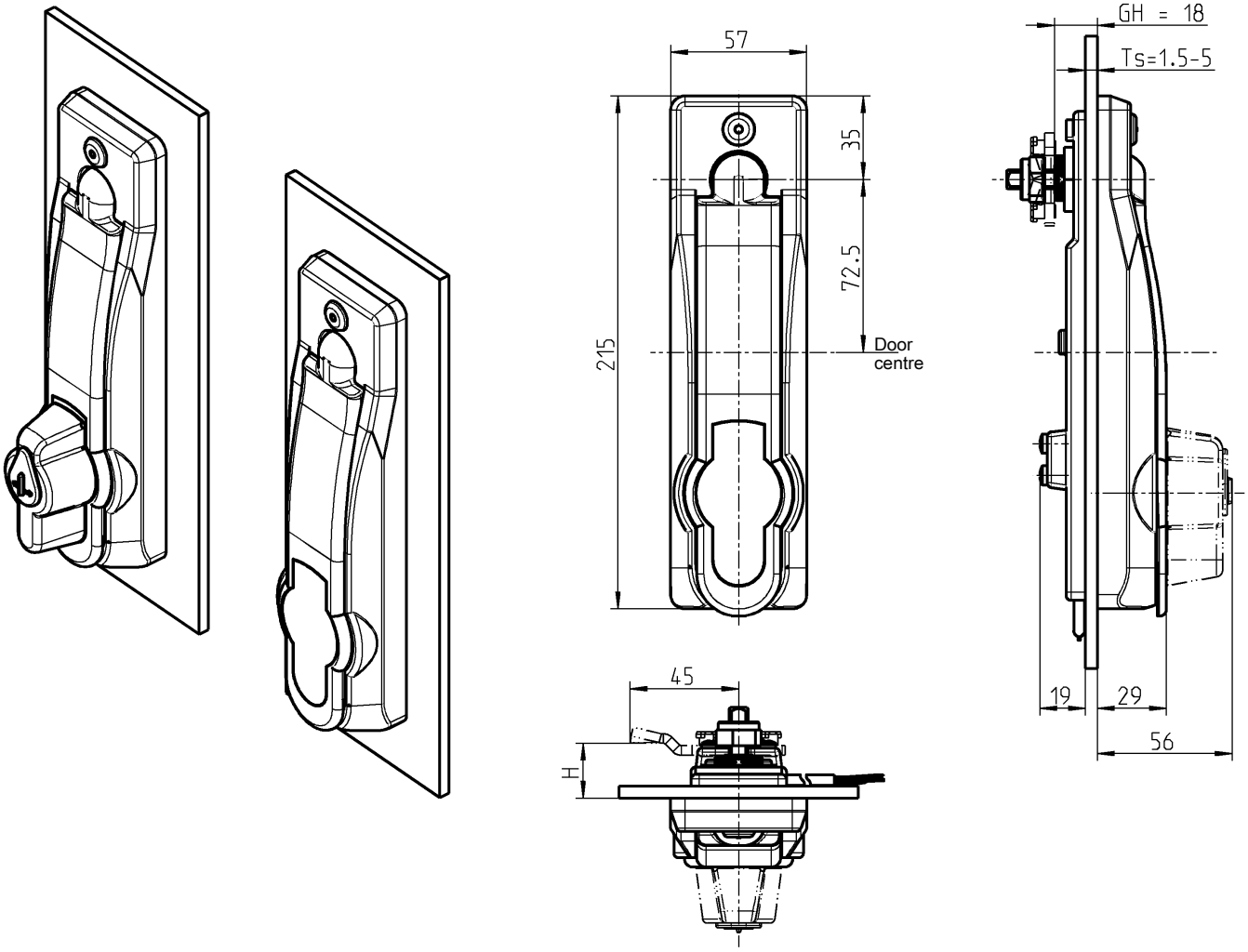
Swinghandle AISI 316, shaft AISI 303, fastening material stainless steel, with seal	
for cam	1154-U4
for rod control	1154-U5

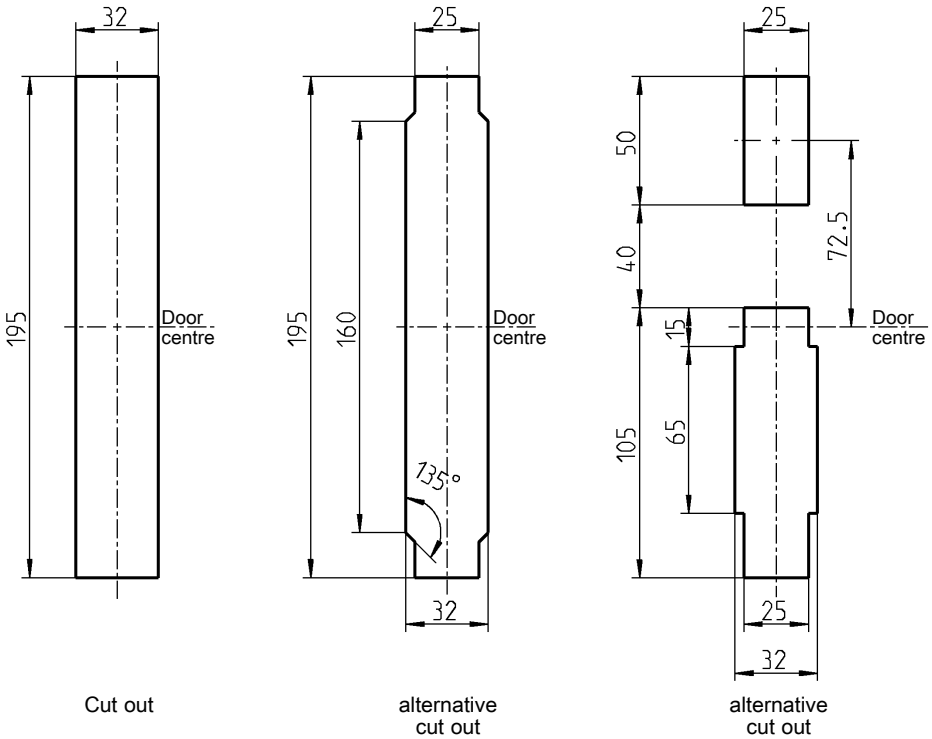
Further parts see page

– Cam (GH=18)	3YC-120
– Rod control for cam	3YC-180
– Rod control	3YA-440
– Profile half cylinder	3XB-120

Swinghandle 1154 with WK2 and electromechanical release; limited emergency opening

PROGRAM 1150



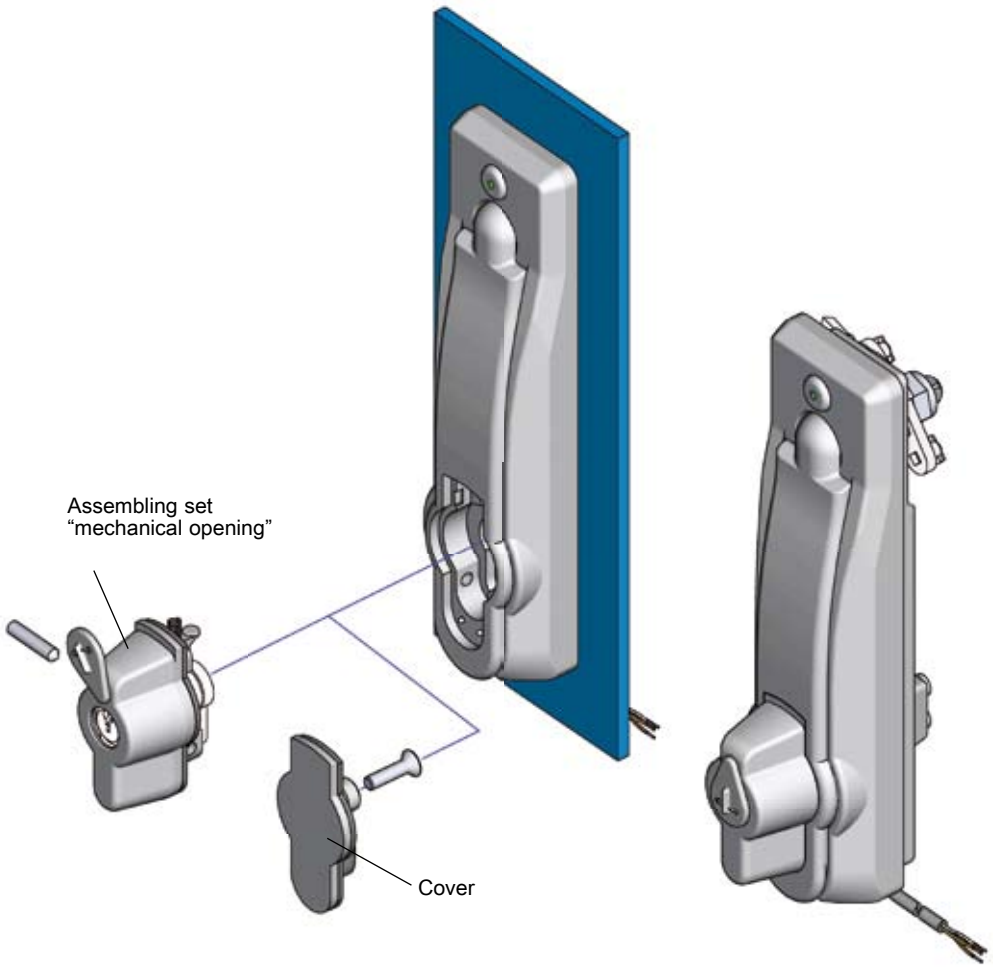


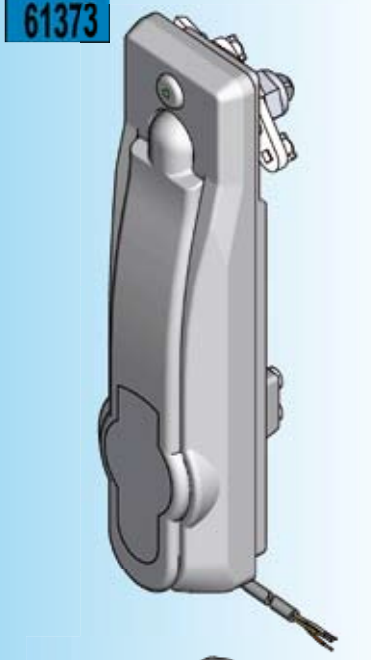
Cut out

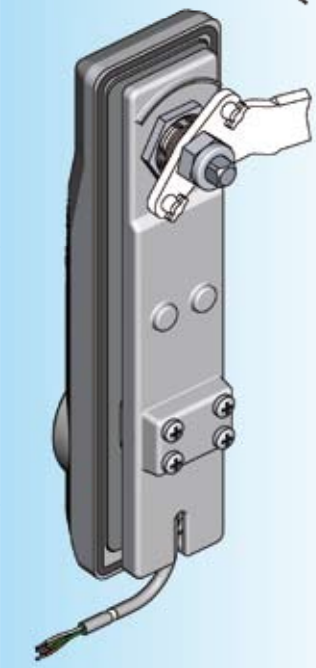
alternative cut out

alternative cut out

This handle is suitable for indoor and outdoor applications from -30°C to +80°C. It is released by applying a 48 V DC signal. On release of the handle, the LED is illuminated.
After the handle has been pressed into the dish, it will open.
The integrated reed contact indicate the handle status. To lock the handle must be pressed into the dish until the locking mechanism engages.
The ready-assembled swinghandle with cover is IP65 on the front and IP42 on the back; with the assembling set „mechanical opening" it is IP54.
With cover in place, the handle is vibration and shock tested and complies to resistance class standard "RC2". It is not possible to open the handle nondestructively after mounting the cover.







PIV Certificate 20-28/09
The swinghandle has successfully passed the test according to WK 2 DIN V ENV 1630 (RC2). The test was approved by the official Test Institute for Locks and Fittings in Velbert, Germany.

Swinghandle zinc die light grey powder coated (RAL 7035), Cover AISI 316 light grey powder coated (RAL 7035), shaft AISI 303, solenoid with electronics, reed contact, LED and cable (4m), fixing material m.s. zinc plated, with seal.	
	1154-U12
Assembling set "mechanical opening" polyamide light grey (RAL 7035), trigger zinc die zinc plated, spring stainless steel, fixing material m.s. zinc plated, with seal.	
for profile half zylinder	1154-U11

Further parts see page
– Cam (stroke 26) 3YC-120
– Rod 3ZB-540
– Profile half cylinder 3XB-320

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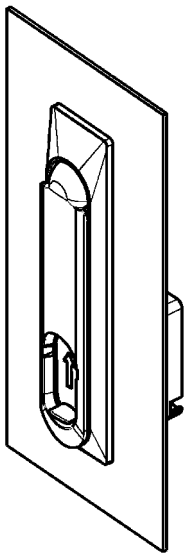
Swinghandle* 1153

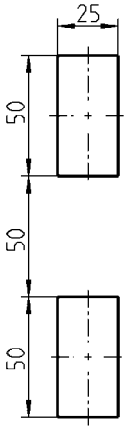
PROGRAM 1150

RL IP 65

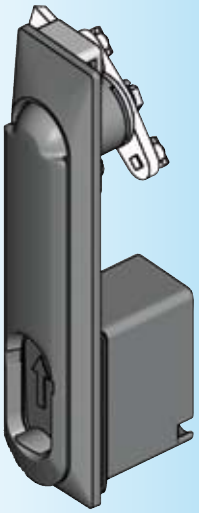


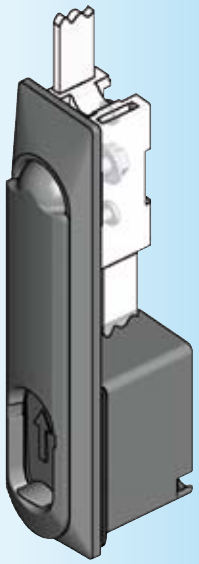

suitable for profile half cylinder (length A = 30)
DIN 18252 (EN 1303)

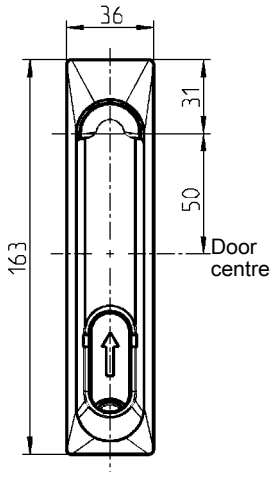


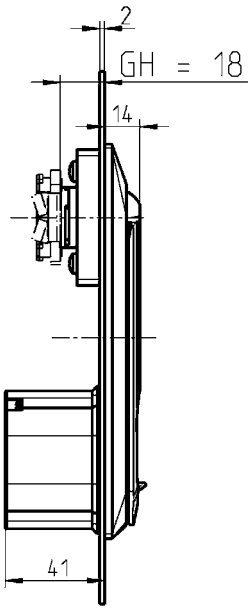


Cut out

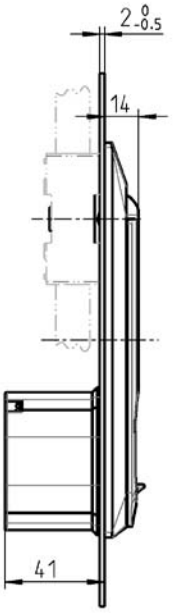




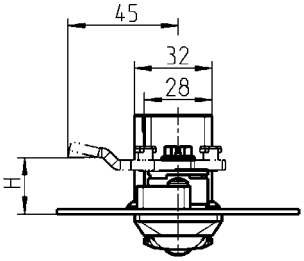




Version A



Earthing with version B



Attention: Housing length GH = 18 mm

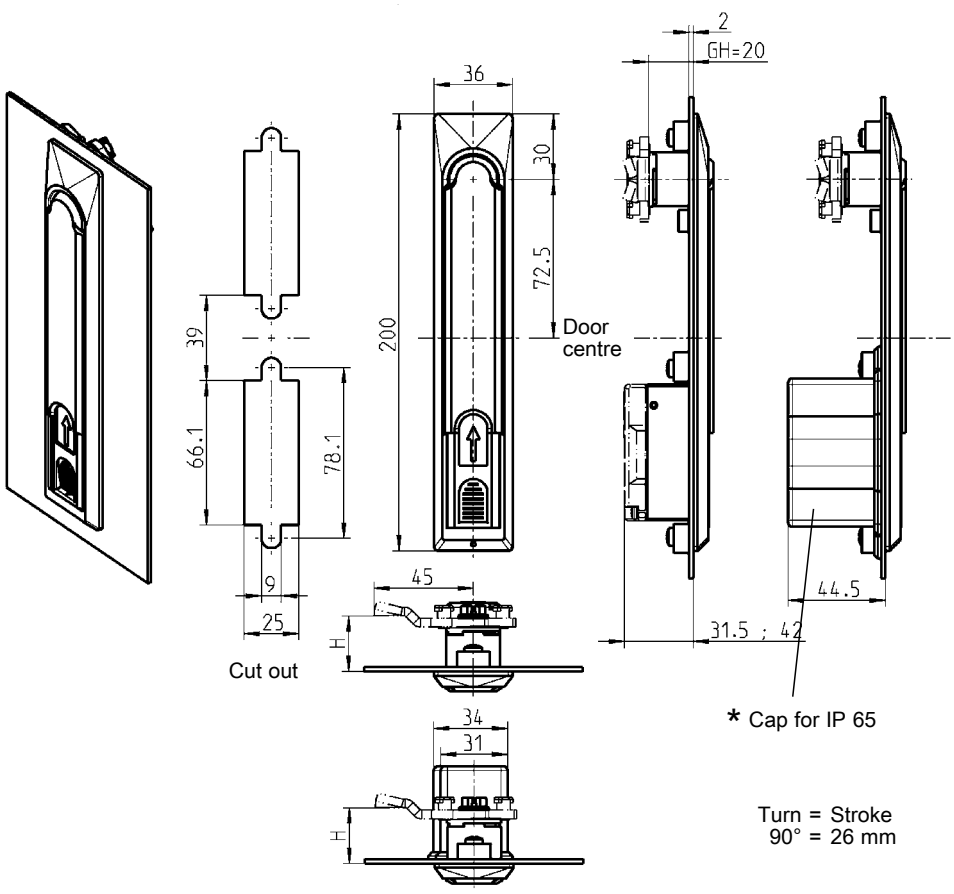
* can be assembled in cut out of 1125/1225

Further parts see page
for version A
– Cam (GH = 18) 3YC-120
for version B
– Rod control only inside of the seal 3YA-120, 3YA-140
for version A and B
– Profile half cylinder 3XB-120

Swinghandle zinc die black powder coated, fixing material m.s. zinc plated, shaft zinc die zinc plated, with seal	
Version A for cam	1153-U1
Rod control and earthing with version B	1153-U2

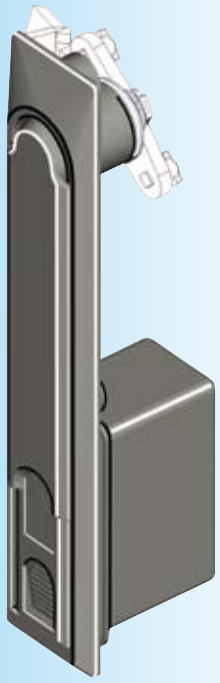
Swinghandle 1151

PROGRAM 1150



* Dimension:
38,5 (wide) x 97 (length), cap for profile half cylinder
35 (wide) x 97 (length), cap for insert and round cylinder

Swinghandle zinc die black powder coated, fixing material m.s. zinc plated, shaft zinc die zinc plated, with seal	
IP-Rating: IP 54	1151-U1
IP 65 with:	
cap for profile half cylinder	1151-05
cap for insert and round cylinder	1151-05-01



Note:
Swinghandle without locking set

Further parts see page

– Locking set	3XA-120 3XA-140
– Locking set ELM	chapter 11
– Cam (GH = 20)	3YC-140

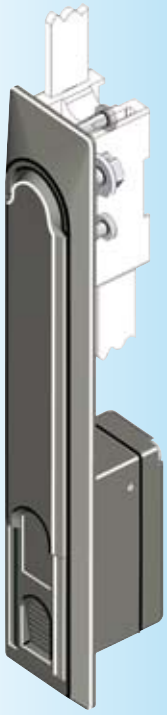
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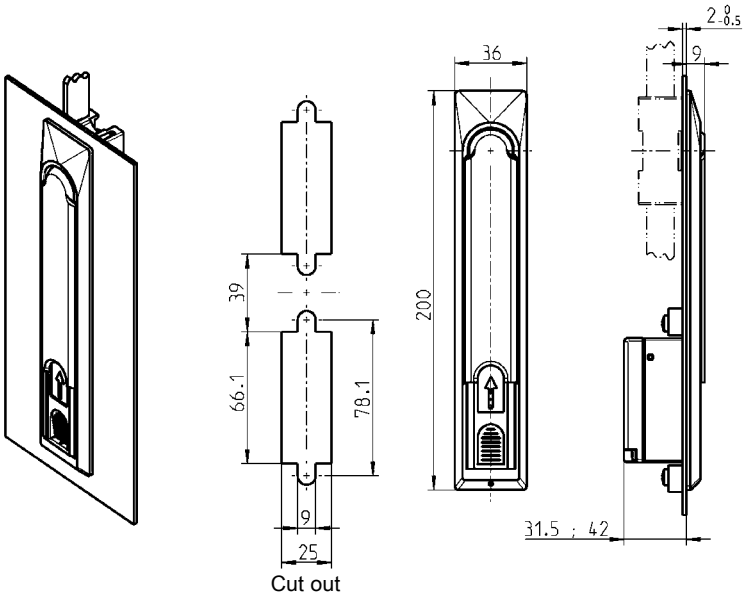
Beschlagteile

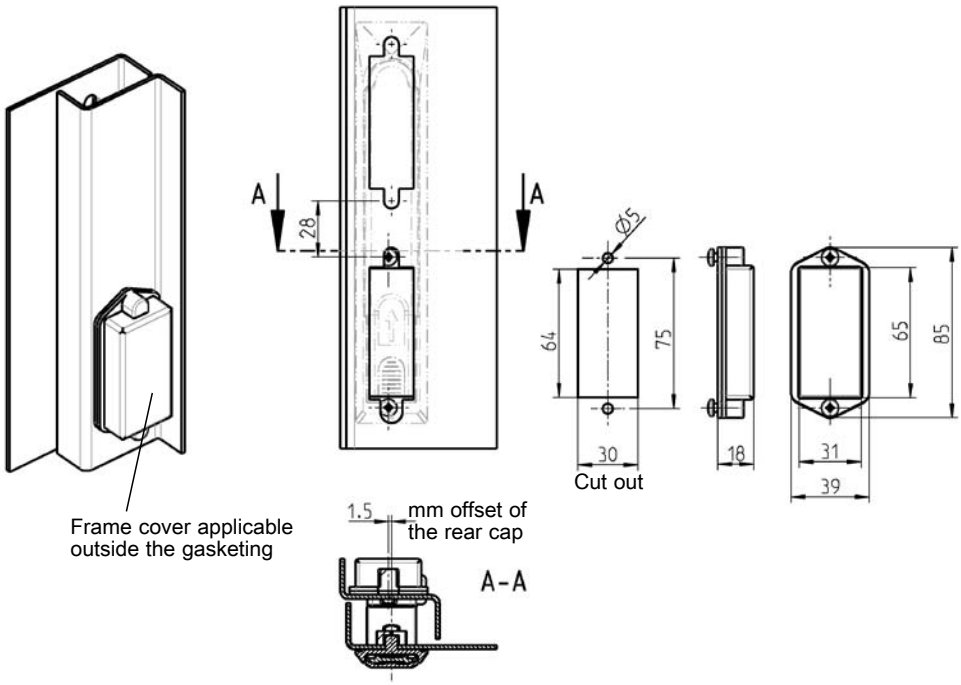
Swinghandle 1151

PROGRAM 1150









Note:
Swinghandle without locking set

Further parts see page

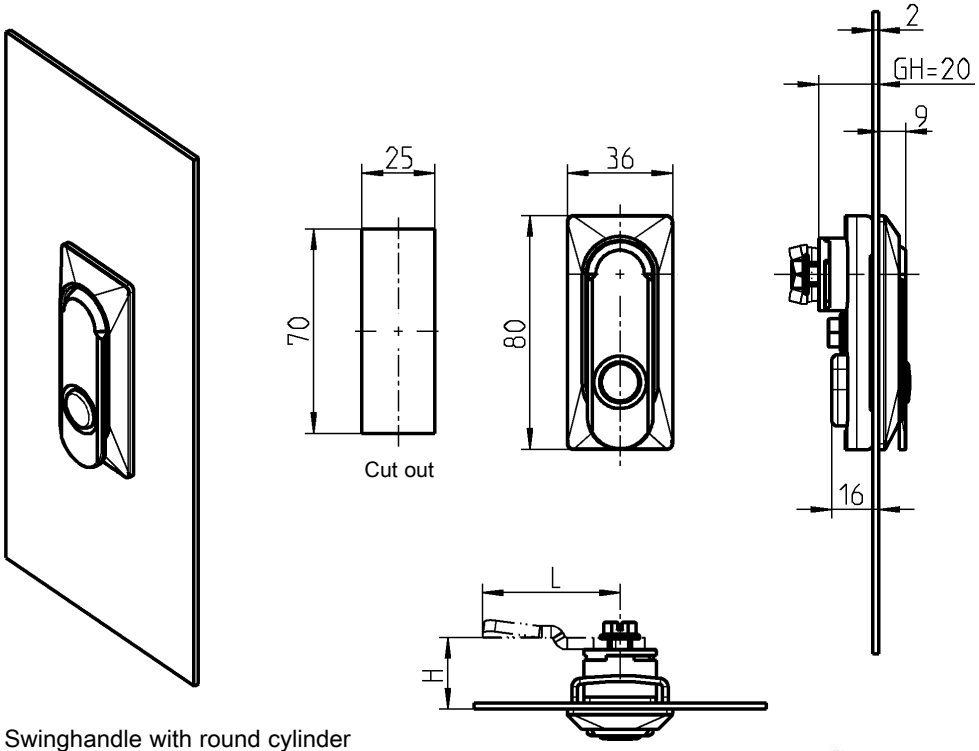
– Locking set	3XA-120 3XA-140
– Locking set ELM	Kapitel 11
– Rod control	3YA-420

Swinghandle zinc die black powder coated, fixing material m.s. zinc plated, shaft zinc die zinc plated, with seal	
	1151-U3
Frame cover polyamide black, fixing material m.s. zinc plated for LH and RH application, with seal	
	2100-U31

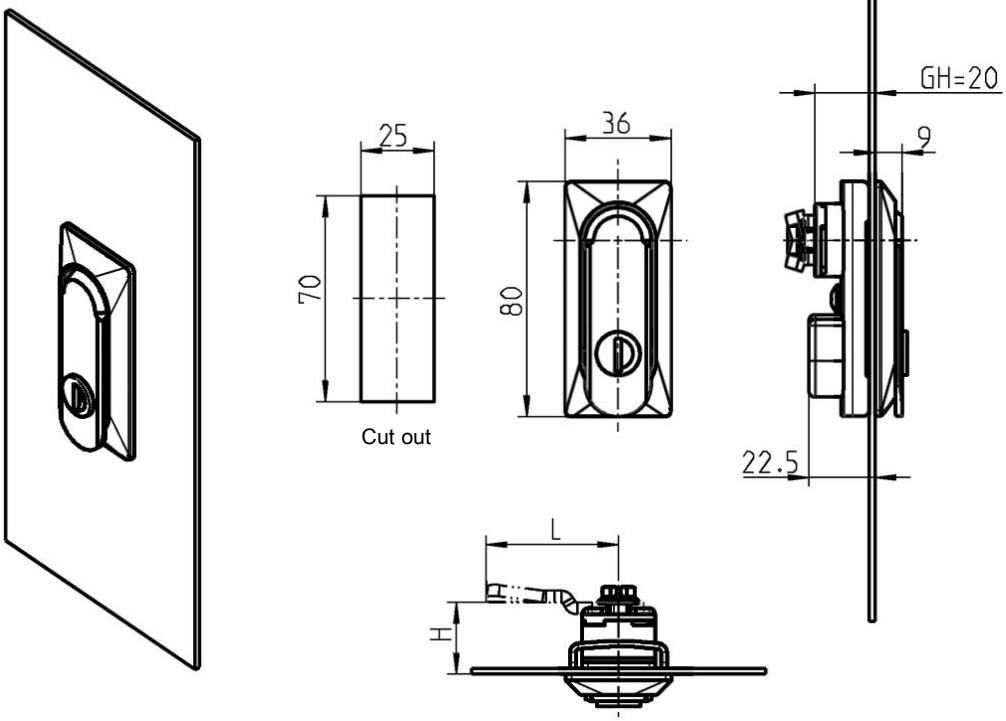
Swinghandle 1152

PROGRAM 1150

Swinghandle with push button or blind

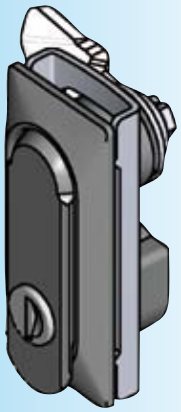


Swinghandle with round cylinder











Turn 90°

Swinghandle zinc die black powder coated, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc plated, shaft zinc die zinc plated, push button polyamide silver, with seal. Each round cylinder has one silver steel key with polyamide grip GF black.	
Push button	1152-U1
keyed EK 333	1152-U2
keyed different	1152-U4
Blank	1152-U3

Note:
Version in polyamide on request.

Further parts see page
– Cam on request
– Spare key 12B-140

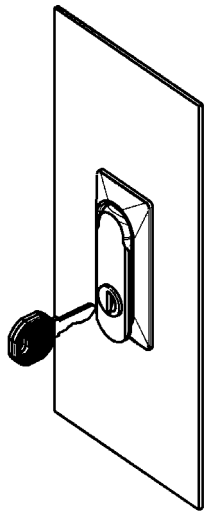
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Swinghandle 1152 with compression

PROGRAM 1150





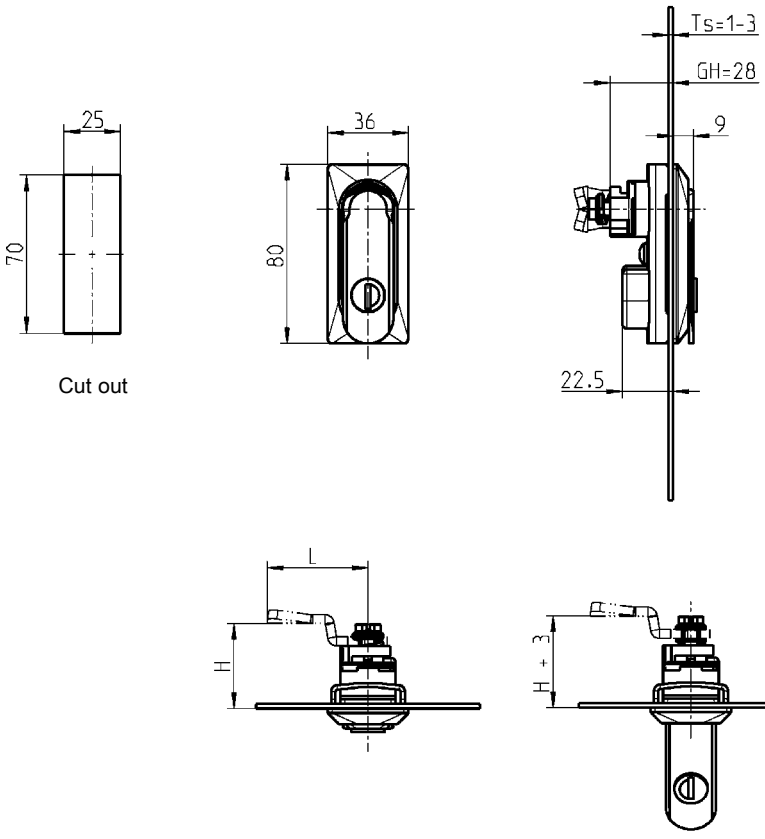
As the handle is pushed into the escutcheon (see fig 2) the cam moves 3 mm axially towards the door.



Fig. 1



Fig. 2



Cut out

Turn 90°

Note:
Suitable for door thickness from 1 – 3 mm (18, 16, 14, and 12 ga. steel).

Note:
– Company logos may be printed or embossed
– This handle has an “over-center” action and so is vibration resistant

Further parts see page
– Cam 1C-130
– Spare key 12B-140

Swinghandle polyamide GF black powder coated, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc plated, shaft zinc die zinc plated, push button polyamide silver.
Each round cylinder has one silver steel key with polyamide grip GF black.

	without seal (IP 40)	with seal (IP 65)
Push button	1152-U9	1152-U9-01
keyed EK 333	1152-U10	1152-U10-01
keyed different	1152-U12	1152-U12-01
Blank	1152-U11	1152-U11-01

Swinghandle* 1155

PROGRAM 1150

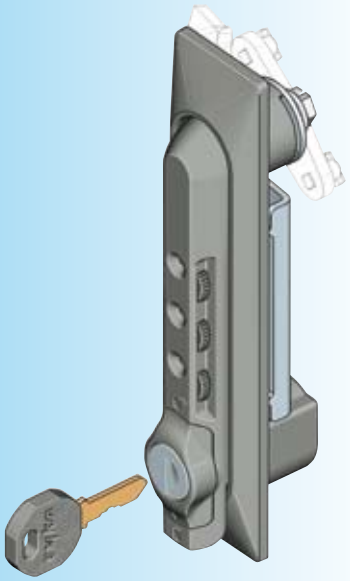
Swinghandle with two locking options. For single point or multiple point locking system

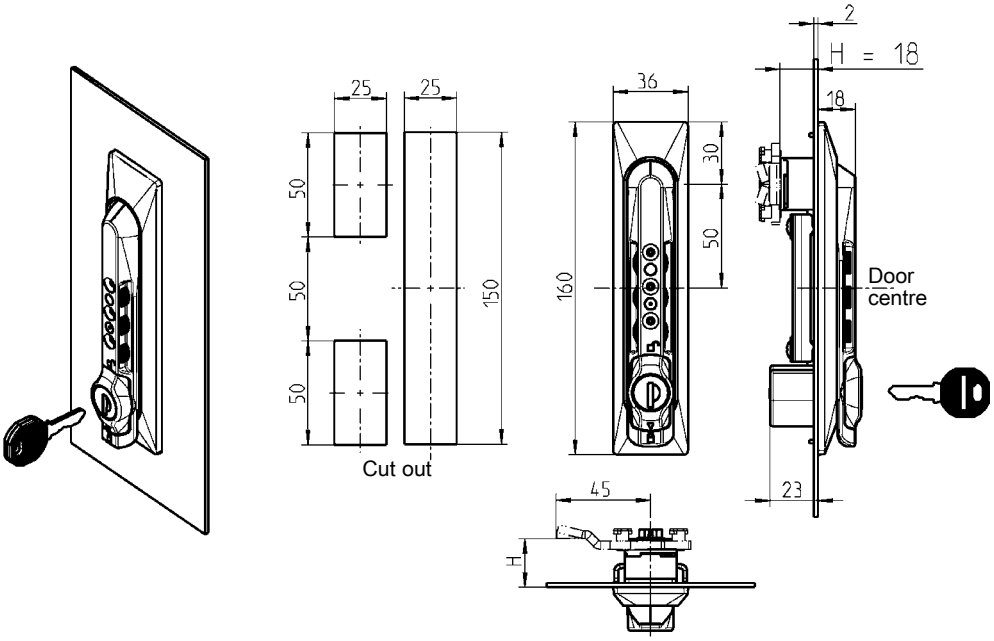


Option 1:
Release using round cylinder, operation as with usual swinghandles of program 1150. The combination lock remains untouched.



Option 2:
Release using combination lock and wing knob. The round cylinder remains locked. The arrow on the wing knob indicates the opened or closed position.





* can be assembled in cut out of 1125/1225

Swinghandle polyamide GF black powder coated, shaft zinc die zinc plated, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc plated, with seal. Each round cylinder has one silver steel key with polyamide grip GF black.	
keyed EK 333	1155-U1
keyed different	1155-U2

Further parts see page
– Cam (GH = 18) 3YC-120
– Spare key 12B-140

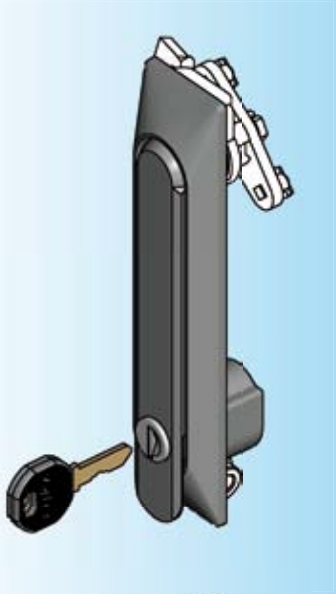
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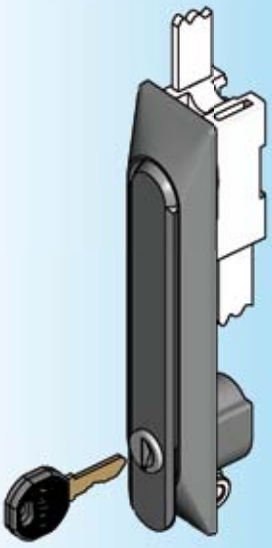
Beschlagteile

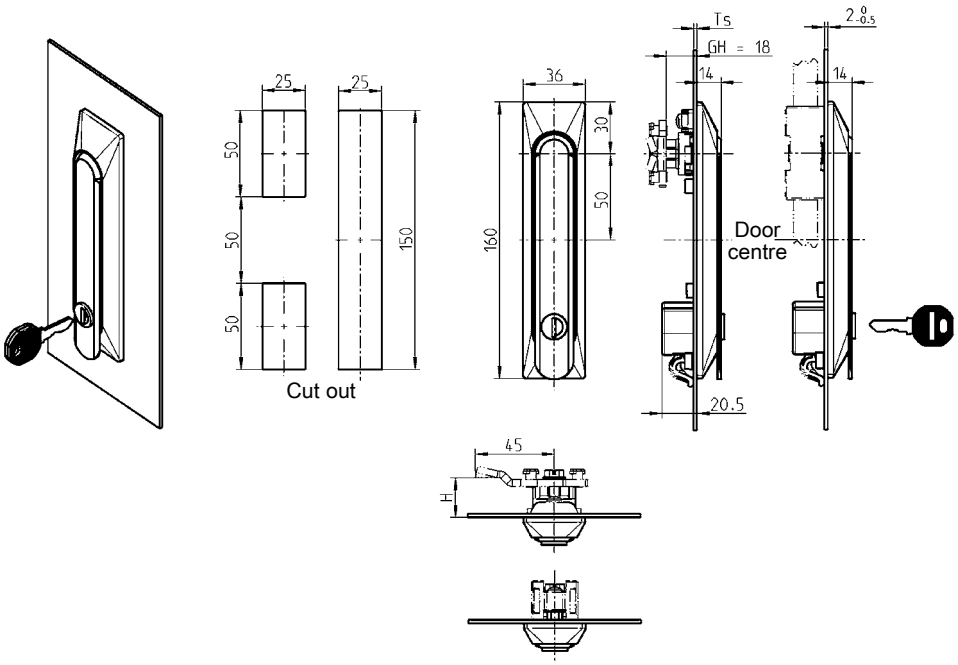
Swinghandle* 1150 with universal escutcheon

PROGRAM 1150









Attention:
Please order fixing material separatly.

Ts = 1,0 up to 3,0 mm depending on choice of fixing material

Swinghandle material on choice, escutcheon polyamide black, shaft zinc die zinc plated, with seal, round cylinder zinc die with stainless steel cap and shutter. Each round cylinder has one silver steel key with polyamide grip GF black.		
	Swinghandle polyamide GF black	**Handle: Black powder coated zinc alloy**
keyed EK 333	1150-U2-11	1150-U2-12
keyed different	1150-U4-11	1150-U4-12
Inserts: Chrome plated zinc alloy		
Square 6	1150-U9-11	1150-U9-12
Square 7	1150-U10-11	1150-U10-12
Square 8	1150-U11-11	1150-U11-12
Triangular 6,5 CNOMO	1150-U31-11	1150-U31-12
Triangular 7	1150-U12-11	1150-U12-12
Triangular 8	1150-U13-11	1150-U13-12
Double bit 3	1150-U14-11	1150-U14-12
Double bit 5	1150-U15-11	1150-U15-12
Daimler Benz	1150-U16-11	1150-U16-12
Slot 2x4	1150-U17-11	1150-U17-12
Hexagon 8 mm female with pin	1150-U18-11	1150-U18-12
Male hexagon 11 mm	1150-U19-11	1150-U19-12
Push button	1150-U20-11	1150-U20-12

* can be assembled in cut out of 1125/1225

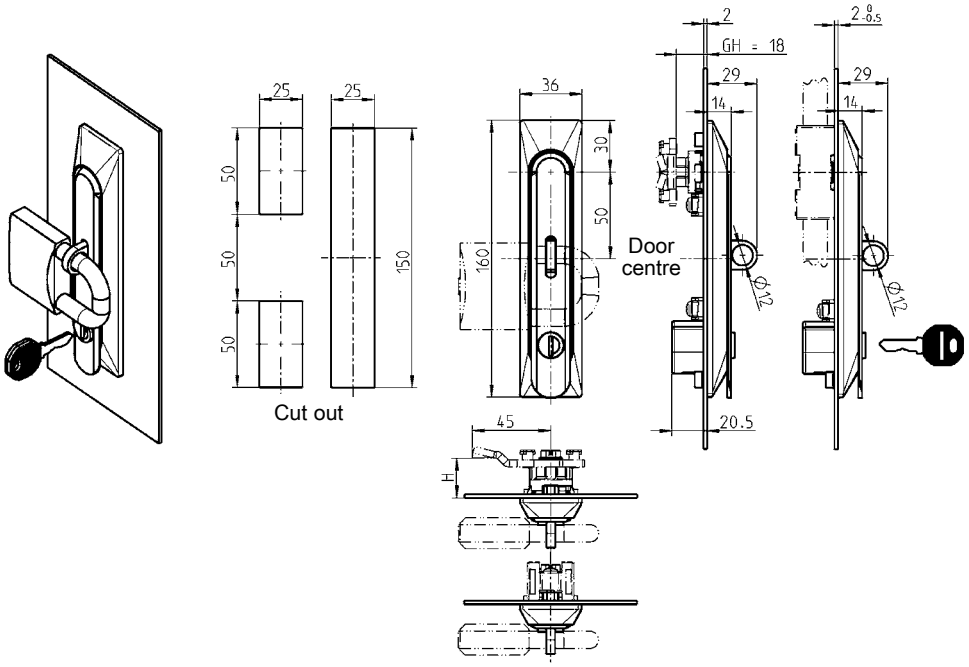
Further parts see page

– Fixing material	3C-780
– Cam (GH = 18)	3YC-120
– Rod control	3YA-120 3YA-140
– Key	12B-120
– Spare key	12B-140

On request:
– Key retained in the unlocked position
– Other inserts
– handle blank (no locking system)

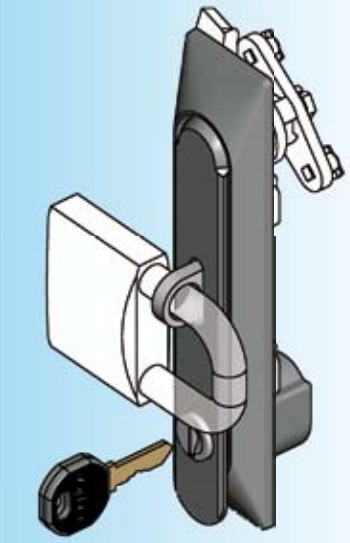
Swinghandle* 1150 for padlock with universal escutcheon

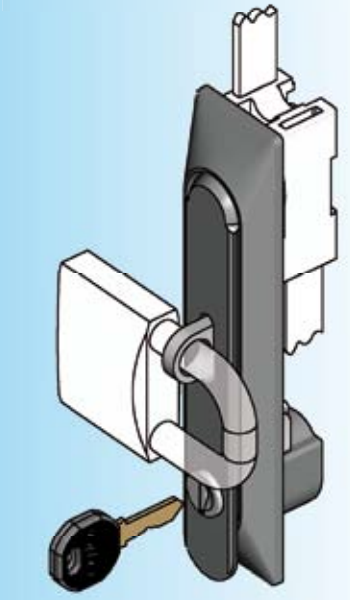
PROGRAM 1150



Attention:
Please order fixing material separatly.

Ts = 1,0 up to 3,0 mm depending on choice of fixing material





Swinghandle zinc die black powder coated, escutcheon polyamide black, shaft zinc die zinc plated, with seal, round cylinder zinc die with stainless steel cap and shutter Each round cylinder has one silver steel key with polyamide grip GF black.	
keyed EK 333	1150-U2-13
keyed different	1150-U4-13
Inserts: Chrome plated zinc alloy	
Square 6	1150-U9-13
Square 7	1150-U10-13
Square 8	1150-U11-13
Triangular 6,5 CNOMO	1150-U31-13
Triangular 7	1150-U12-13
Triangular 8	1150-U13-13
Double bit 3	1150-U14-13
Double bit 5	1150-U15-13
Daimler Benz	1150-U16-13
Slot 2x4	1150-U17-13
Hexagon 8 mm female with pin	1150-U18-13
Male hexagon 11 mm	1150-U19-13
Push button	1150-U20-13

* can be assembled in cut out of 1125/1225

Further parts see page

– Fixing material	3C-780
– Cam (GH = 18)	3YC-120
– Rod control	3YA-120
	3YA-140
– Key	12B-120
– Spare key	12B-140

On request:
– Key retained in the unlocked position
– Other inserts
– handle blank (no locking system)

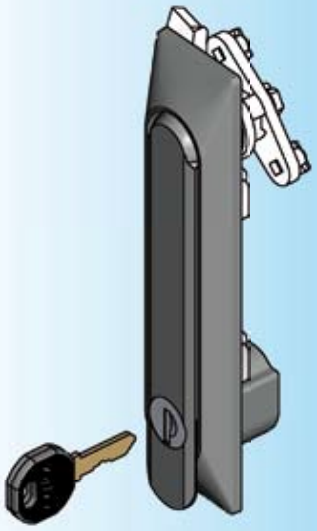
EMKA

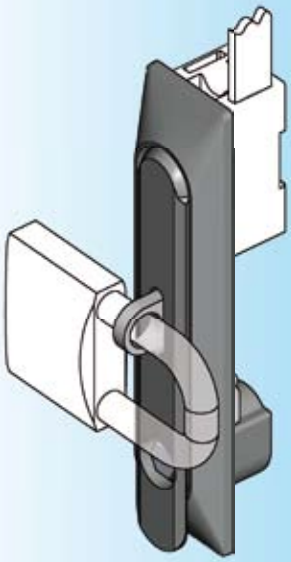
Beschlagteile

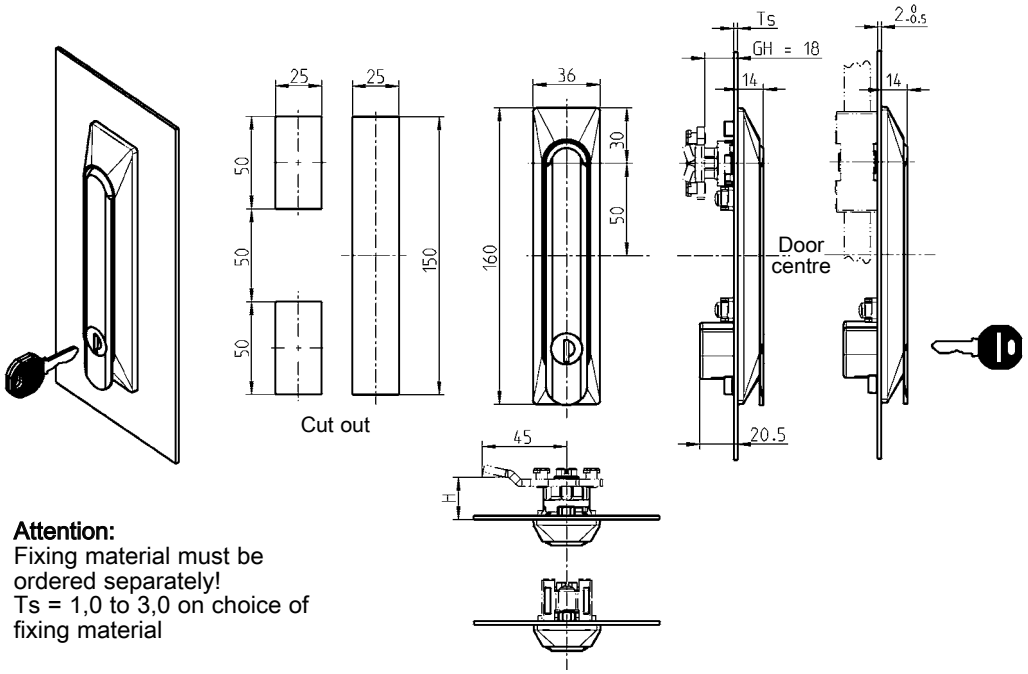
® Swinghandle* 1150 with „Push to Lock“ function for universal escutcheon

PROGRAM 1150

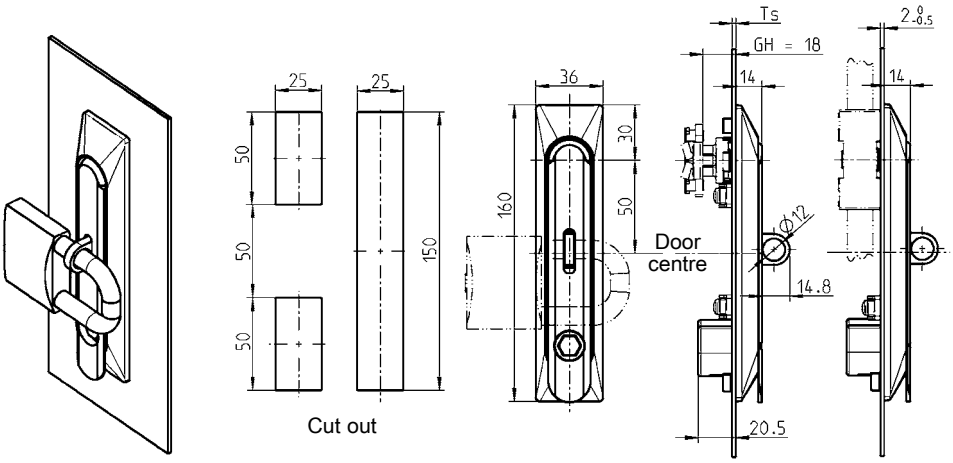








Attention:
Fixing material must be ordered separately!
Ts = 1,0 to 3,0 on choice of fixing material



Swinghandle zinc die black powder coated, escutcheon polyamide black, shaft zinc die zinc plated, with seal, round cylinder zinc die with stainless steel cap and shutter.
Each round cylinder has one silver steel key with polyamide grip GF black.

		Push to lock	Push to lock for padlock
keyed EK 333	1150-U33-22	-	-
keyed different	1150-U34-22	-	-
Inserts: Chrome plated zinc alloy			
Square 6	1150-U36-22	1150-U36-30	1150-U36-31
Square 7	1150-U37-22	1150-U37-30	1150-U37-31
Square 8	1150-U38-22	1150-U38-30	1150-U38-31
Triangular 6,5 CNOMO	1150-U39-22	1150-U39-30	1150-U39-31
Triangular 7	1150-U40-22	1150-U40-30	1150-U40-31
Triangular 8	1150-U41-22	1150-U41-30	1150-U41-31
Double bit 3	1150-U42-22	1150-U42-30	1150-U42-31
Double bit 5	1150-U43-22	1150-U43-30	1150-U43-31
Daimler Benz	1150-U44-22	1150-U44-30	1150-U44-31
Slot 2x4	1150-U35-22	1150-U35-30	1150-U35-31
Hexagon 8 mm female with pin	1150-U45-22	1150-U45-30	1150-U45-31
Male hexagon 11 mm	1150-U46-22	1150-U46-30	1150-U46-31

* can be assembled in cut out of 1125/1225

Further parts see page

– Fixing material	3C-780
– Cam (GH = 18)	3YC-120
– Rod control	3YA-120 3YA-140
– Key	12B-120
– Spare key	12B-140

On request:
– Key retained in the unlocked position
– Other inserts

Swinghandle* with combination lock for universal escutcheon

PROGRAM 1150

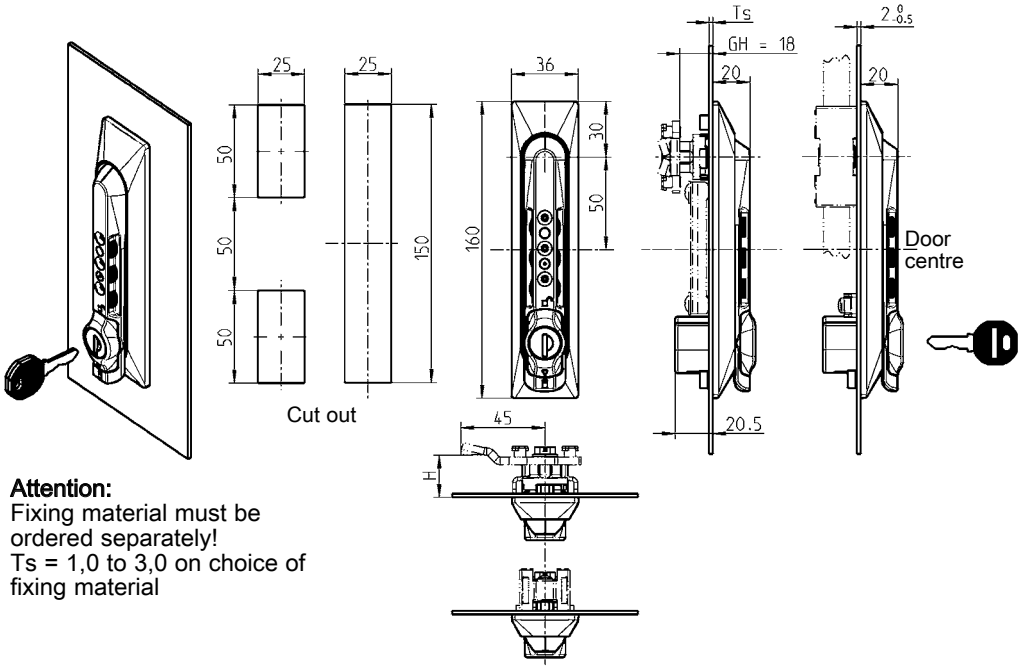
Swinghandle with two locking options. For single point or multiple point locking system



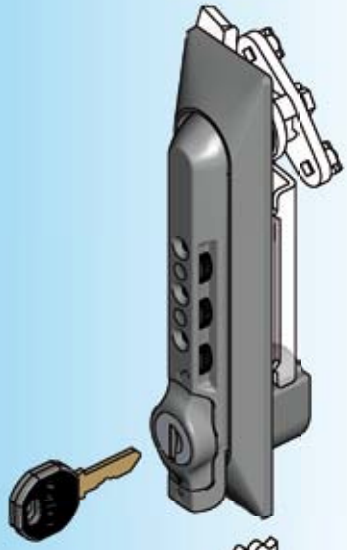
Option 1:
Release using round cylinder, operation as with usual swinghandles of program 1150. The combination lock remains untouched.

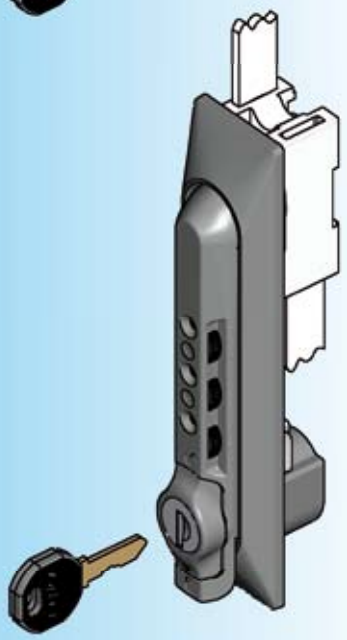


Option 2:
Release using combination lock and wing knob. The round cylinder remains locked. The arrow on the wing knob indicates the opened or closed position.



Attention:
Fixing material must be ordered separately!
Ts = 1,0 to 3,0 on choice of fixing material





* can be assembled in cut out of 1125/1225

Further parts see page

– Fixing material	3C-780
– Cam (GH = 18)	3YC-120
– Rod control	3YA-120 3YA-140
– Spare key	12B-140

On request:
– Key retained in the unlocked position
– Other inserts

Swinghandle polyamide GF black, shaft zinc die zinc plated, with seal, round cylinder with stainless steel cap and shutter. Each round cylinder has one silver steel key with polyamide grip GF black.	
keyed EK 333	1155-U1-11
keyed different	1155-U2-11

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®Fixing material for swinghandle with universal escutcheon

PROGRAM 1150









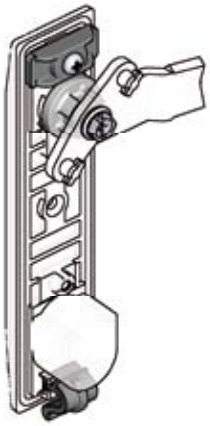




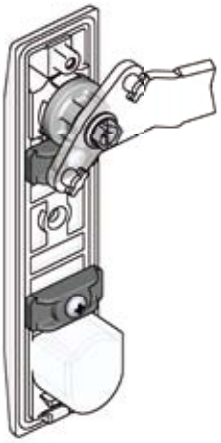
Further parts see page
– Swinghandle with universal escutcheon 3C-720 up to 3C-750
– Cam (GH = 18) 3YC-120
– Rod control 3YA-120, 3YA-140

On request:
– Other door thicknesses

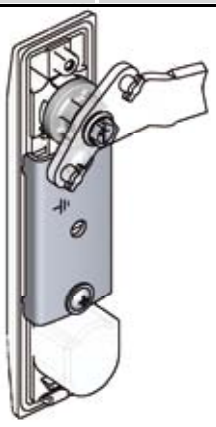
Fixing material for swinghandle with cam



Hook and fastening module polyamide black, adapter zinc die zinc plated, fixing material m.s. zinc plated	
Ts = 1,0	1150-U50-01
Ts = 2,0	1150-U50-02
Ts = 3,0	1150-U50-03

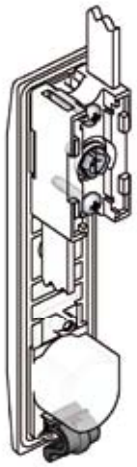


Fastening module polyamide GF black, adapter zinc die zinc plated, fixing material m.s. zinc plated	
Ts = 1,0 to 3,0	1150-U52

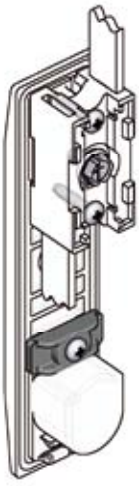


Adapter zinc die zinc plated, fastening plate and fixing material m.s. zinc plated	
Ts = 1,0 to 2,0	1150-U54

Fixing material for swinghandle with rod control

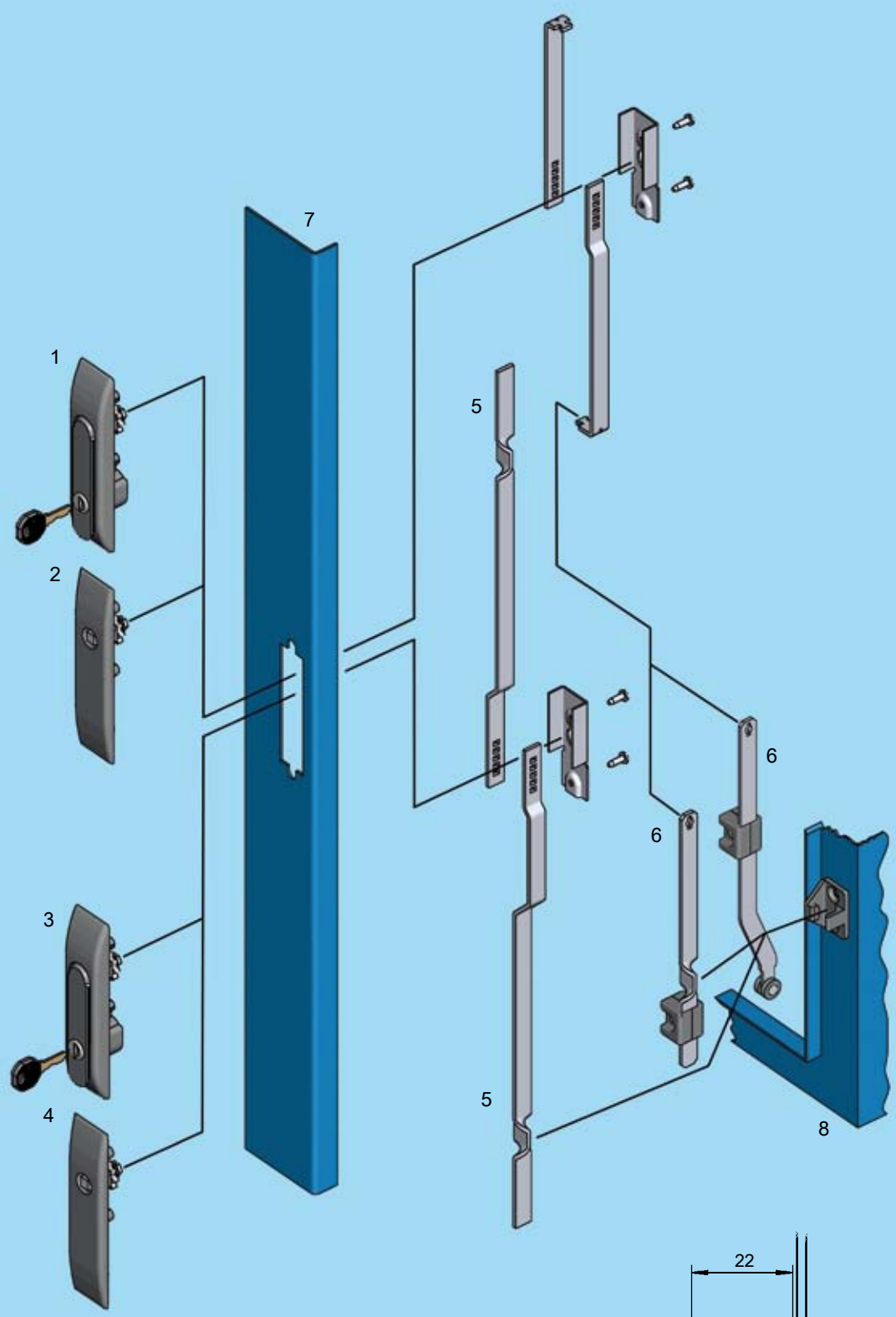


Hook polyamide GF black Fixing material m.s. zinc plated	
Ts = 1,0	-
Ts = 2,0 $^{-0,5}$	1150-U51-02
Ts = 3,0	-

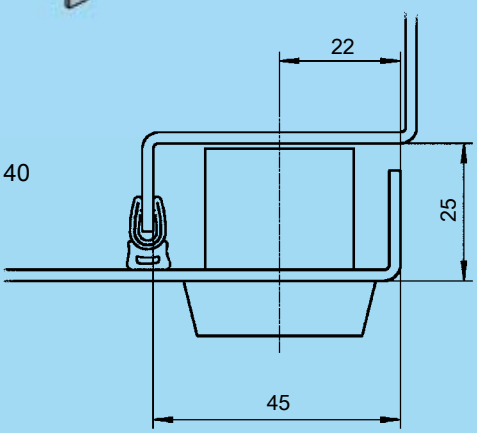


Fastening module polyamide GF black, fixing material m.s. zinc plated	
Ts = 2,0 $^{-0,5}$	1150-U53

Swinghandle and escutcheon Program 1160



1	Swinghandle	3D-120, 3D-140
2	Escutcheon	3D-120
3	Swinghandle	3D-220
4	Escutcheon	3D-220
5	Rod	
6	Rod	
7	Door	
8	Cabinet/frame	







3D-100

EMKA®

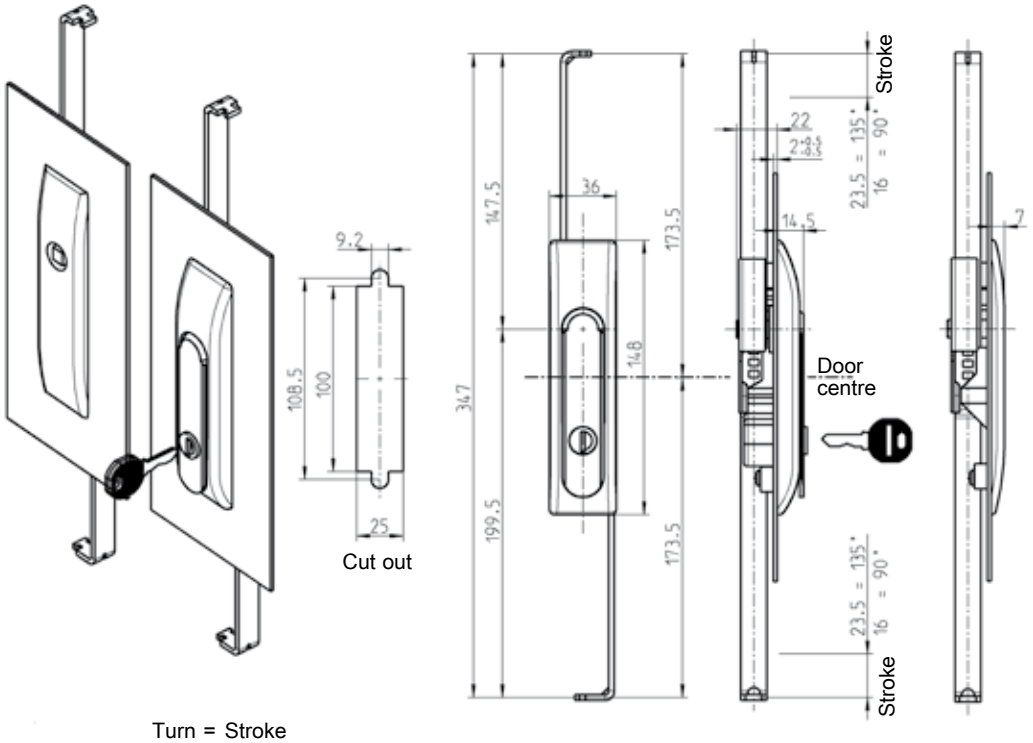
Beschlagteile

Swinghandle / escutcheon with rods

PROGRAM 1160







Turn = Stroke
135° = 23,5 mm
90° = 16 mm

Swinghandle zinc die black powder coated, shaft material on choice, rods m.s. zinc plated, fixing material m.s. zinc plated, shaft zinc die zinc plated, with seal, round cylinder zinc die with stainless steel cap and shutter, insert zinc die chrome plated, push button housing polyamide black, push button polyamide grey.
Each round cylinder has one silver steel key with polyamide grip GF black.

	Escutcheon	
	polya-mide	zinc die
keyed EK 333	1160-U1	1160-U3
keyed different	1160-U2	1160-U4
Square 6	1160-U9	1160-U20
Square 7	1160-U10	1160-U21
Square 8	1160-U11	1160-U22
Triangular 6,5 CNOMO	1160-U32	1160-U31
Triangular 7	1160-U12	1160-U23
Triangular 8	1160-U13	1160-U24
Double bit 3	1160-U14	1160-U25
Double bit 5	1160-U15	1160-U26
Daimler Benz	1160-U16	1160-U27
Slot 2x4	1160-U17	1160-U28
Hexagon female 8 with pin	1160-U18	1160-U29
Hexagon 11 male	1160-U19	1160-U30
Push button	1160-U35	1160-U36

Escutcheon polyamide GF black, insert zinc die chrome plated, rods m.s. zinc plated, fixing material m.s. zinc plated, with seal

with mask	
Double bit 3	1160-U52
Double bit 5	1160-U53
FIAT	1160-U64
without mask	
Square 6	1160-U54
Square 7	1160-U55
Square 8	1160-U56
Triangular 6,5 CNOMO	1160-U65
Triangular 7	1160-U57
Triangular 8	1160-U58
Square female 8	1160-U63
Daimler Benz	1160-U59
Slot 2x4	1160-U60
Double bit 3	1160-U61
Double bit 5	1160-U62
Eastern Europe Ø 13	1160-U66

Further parts see page
– Rod
outside 3ZA-120, 3ZA-320
inside 3ZB-120, 3ZB-220
– Spare key 12B-140

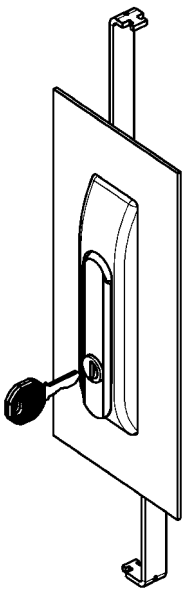
Swinghandle with rods

PROGRAM 1160

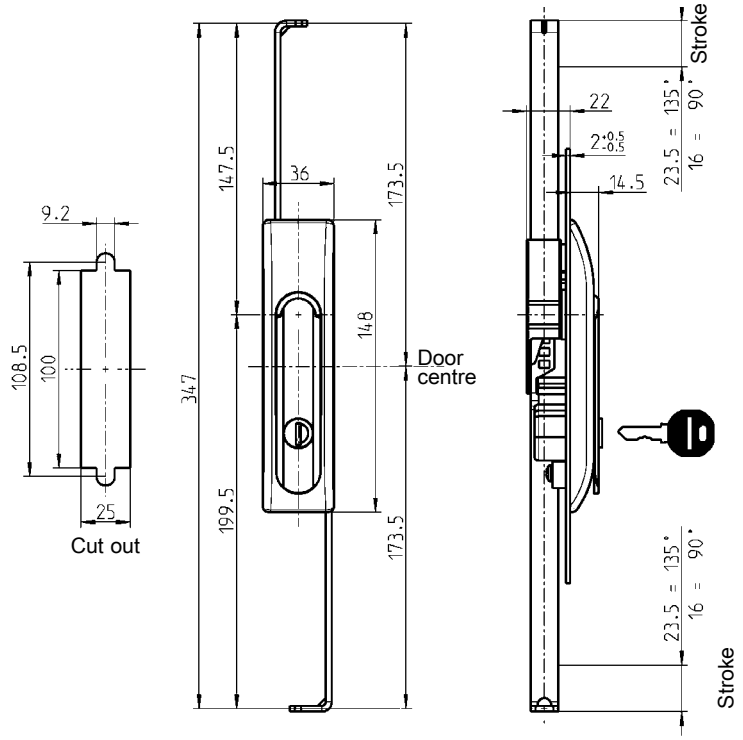
EMKA

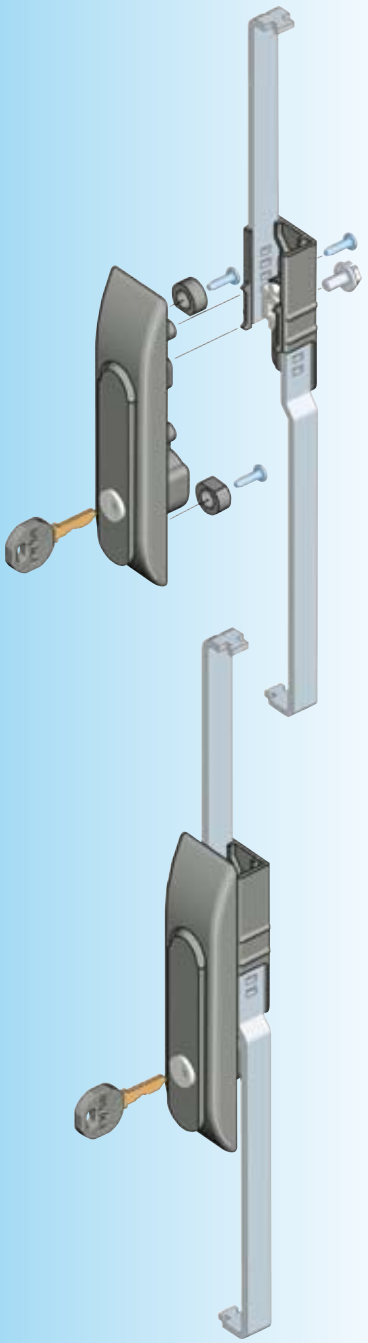
Beschlagteile

Swinghandle for
assembled rod control



Turn = Stroke
135° = 23,5 mm
90° = 16 mm





Swinghandle zinc die black powder coated, shaft material on choice, rods m.s. zinc plated, fixing material m.s. zinc plated, shaft zinc die zinc plated, with seal, round cylinder zinc die with stainless steel cap and shutter, insert zinc die chrome plated, push button housing polyamide black, push button polyamide grey.
Each round cylinder has one silver steel key with polyamide grip GF black.

	Escutcheon	
	polyamide	**zinc die**
keyed EK 333	1160-U201	1160-U203
keyed different	1160-U202	1160-U204
Push button	1160-U235	1160-U236
Rod control polyamide GF black, rods m.s. zinc plated		
RH version		1160-U200-RE
LH version		1160-U200-LI

Further parts see page
– Rod
outside 3ZA-120
3ZA-320
inside 3ZB-120
3ZB-220
– Spare key 12B-140

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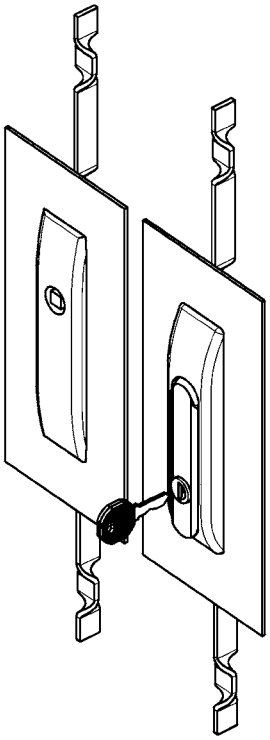
Beschlagteile

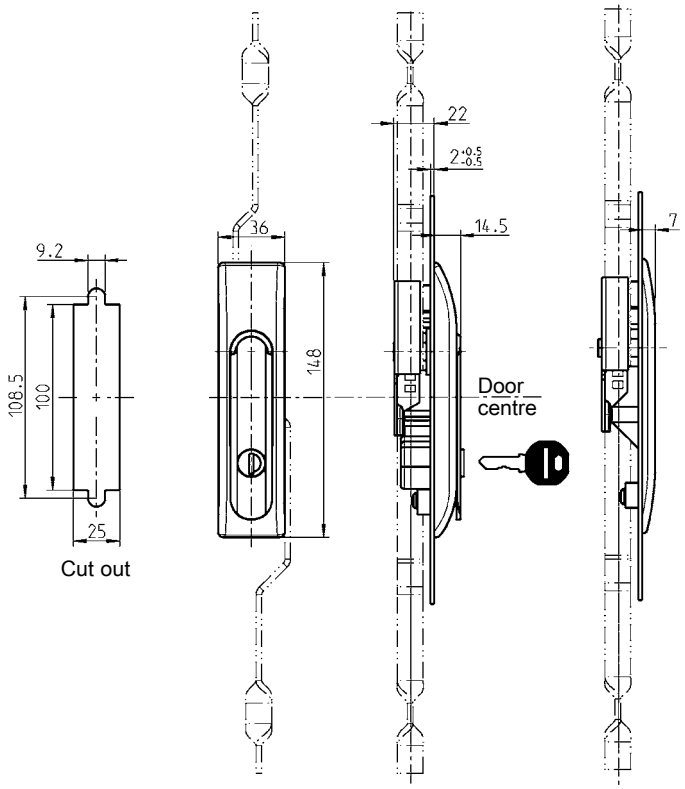
Swinghandle / escutcheon with rods

PROGRAM 1160

RL IP 65







Swinghandle zinc die black powder coated, escutcheon material on choice, fixing material m.s. zinc plated, shaft zinc die zinc plated, with seal, round cylinder zinc die with stainless steel cap and shutter, insert zinc die chrome plated, push button housing polyamide black, push button polyamide grey.
Each round cylinder has one silver steel key with polyamide grip GF black.

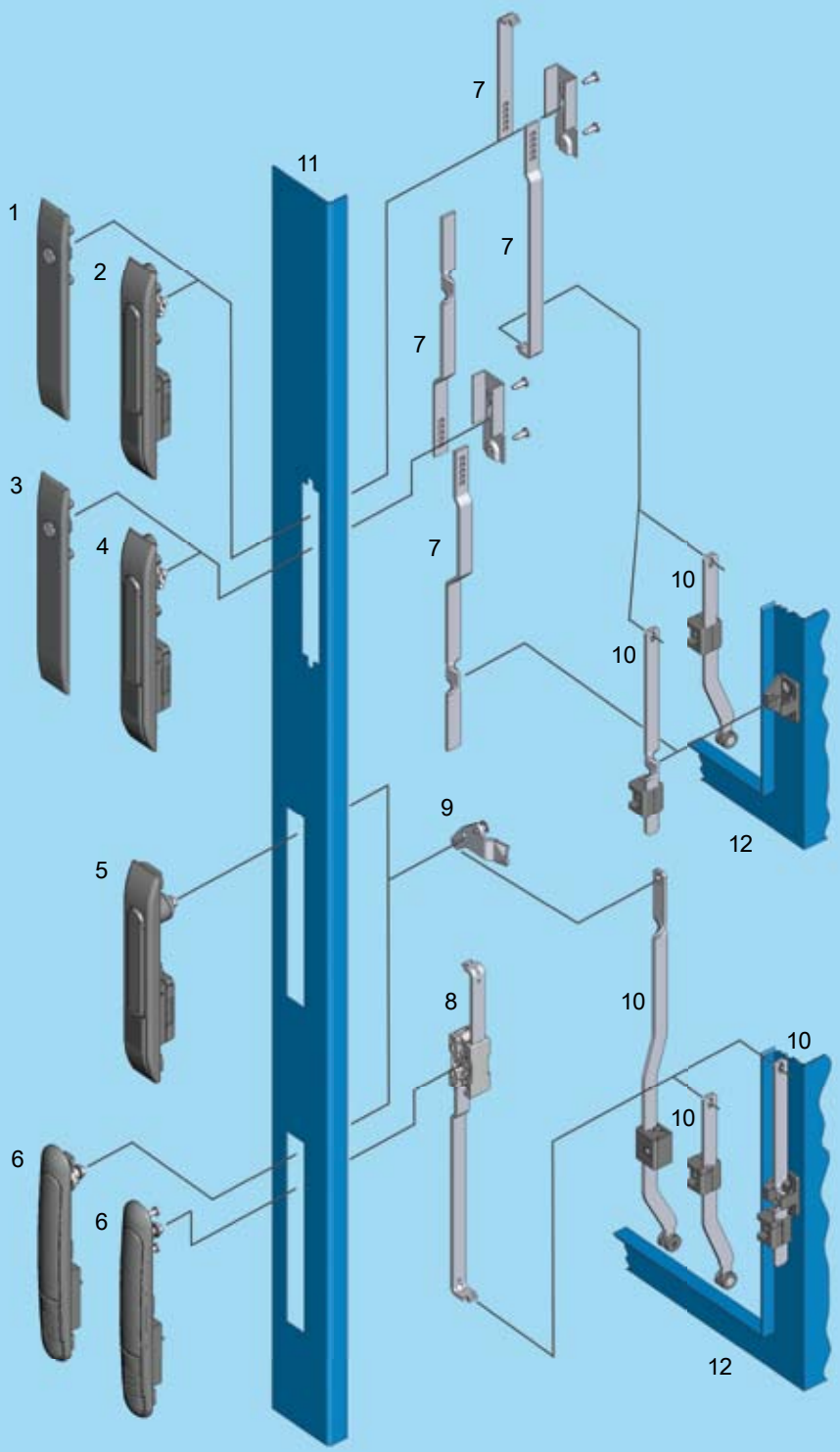
	Escutcheon	
	polyamide	zinc die
keyed EK 333	1160-U101	1160-U103
keyed different	1160-U102	1160-U104
Square 6	1160-U109	1160-U120
Square 7	1160-U110	1160-U121
Square 8	1160-U111	1160-U122
Triangular 6,5 CNOMO	1160-U132	1160-U131
Triangular 7	1160-U112	1160-U123
Triangular 8	1160-U113	1160-U124
Double bit 3	1160-U114	1160-U125
Double bit 5	1160-U115	1160-U126
Daimler Benz	1160-U116	1160-U127
Slot 2x4	1160-U117	1160-U128
Hexagon female 8 with pin	1160-U118	1160-U129
Hexagon 11 male	1160-U119	1160-U130
Push button	1160-U135	1160-U136

Escutcheon polyamide GF black, insert zinc die chrome plated, rods m.s. zinc plated, fixing material m.s. zinc plated, with seal

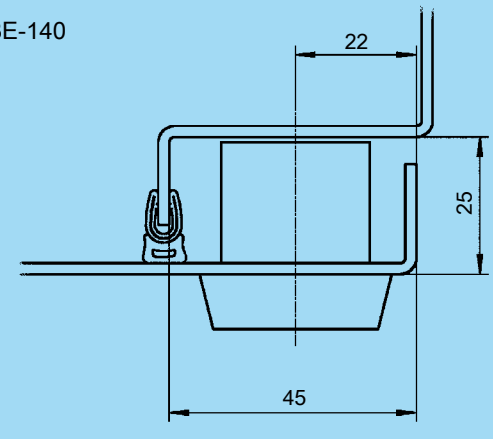
with mask	
Double bit 3	1160-U152
Double bit 5	1160-U153
FIAT	1160-U164
without mask	
Square 6	1160-U154
Square 7	1160-U155
Square 8	1160-U156
Triangular 6,5 CNOMO	1160-U165
Triangular 7	1160-U157
Triangular 8	1160-U158
Square female 8	1160-U163
Daimler Benz	1160-U159
Slot 2x4	1160-U160
Double bit 3	1160-U161
Double bit 5	1160-U162
Eastern Europe Ø 13	1160-U166

Further parts see page
– Rod
outside 3ZA-420
– Spare key 12B-140

Swinghandle and escutcheon Program 1180



1	Escutcheon	3E-120
2	Swinghandle 1180	3E-120, 3E-140
3	Escutcheon	3E-220
4	Swinghandle 1180	3E-220
5	Swinghandle 1180	3E-320
6	Swinghandle 1185	3E-520
7	Rod	
8	Rod control	
9	Cam	
10	Rod	
11	Door	
12	Cabinet/frame	







3E-100

EMKA

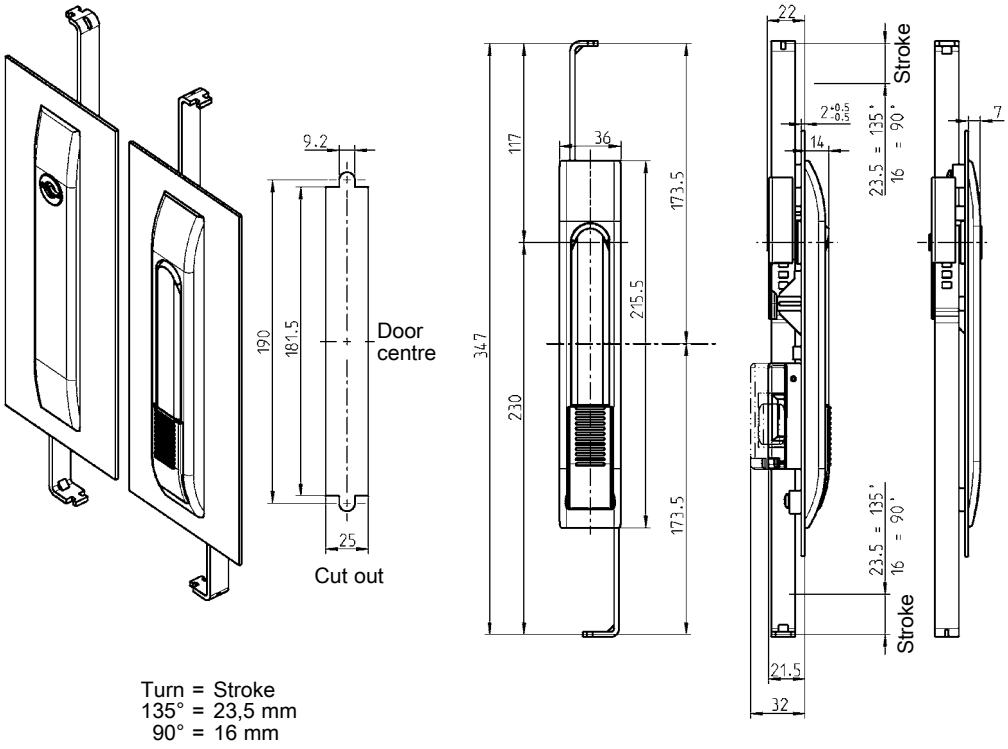
Beschlagteile

®Swinghandle 1180 or escutcheon with rods

PROGRAM 1180







Turn = Stroke
135° = 23,5 mm
90° = 16 mm

Swinghandle polyamide GF black with push button (2100-U57), handle zinc die black, shaft zinc die zinc plated, rods m.s. zinc plated, fixing material m.s. zinc plated, with seal	
	1180-U1
Escutcheon polyamide GF black, insert zinc die chrome plated, rods m.s. zinc plated, fixing material m.s. zinc plated, with seal	
with mask	
Double bit 3	1180-U2
Double bit 5	1180-U3
FIAT	1180-U14
without mask	
Square 6	1180-U4
Square 7	1180-U5
Square 8	1180-U6
Triangular 6,5 CNOMO	1180-U15
Triangular 7	1180-U7
Triangular 8	1180-U8
Square female 8	1180-U13
Daimler Benz	1180-U9
Slot 2x4	1180-U10
Double bit 3	1180-U11
Double bit 5	1180-U12
Eastern Europe Ø 13	1180-U16

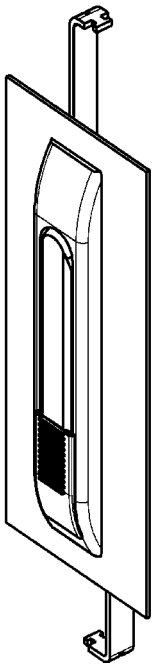
Further parts see page

– Key	12B-120
– Locking set	3XA-120 3XA-240
– Locking set ELM	Chapter 11
– Rod	
outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-220

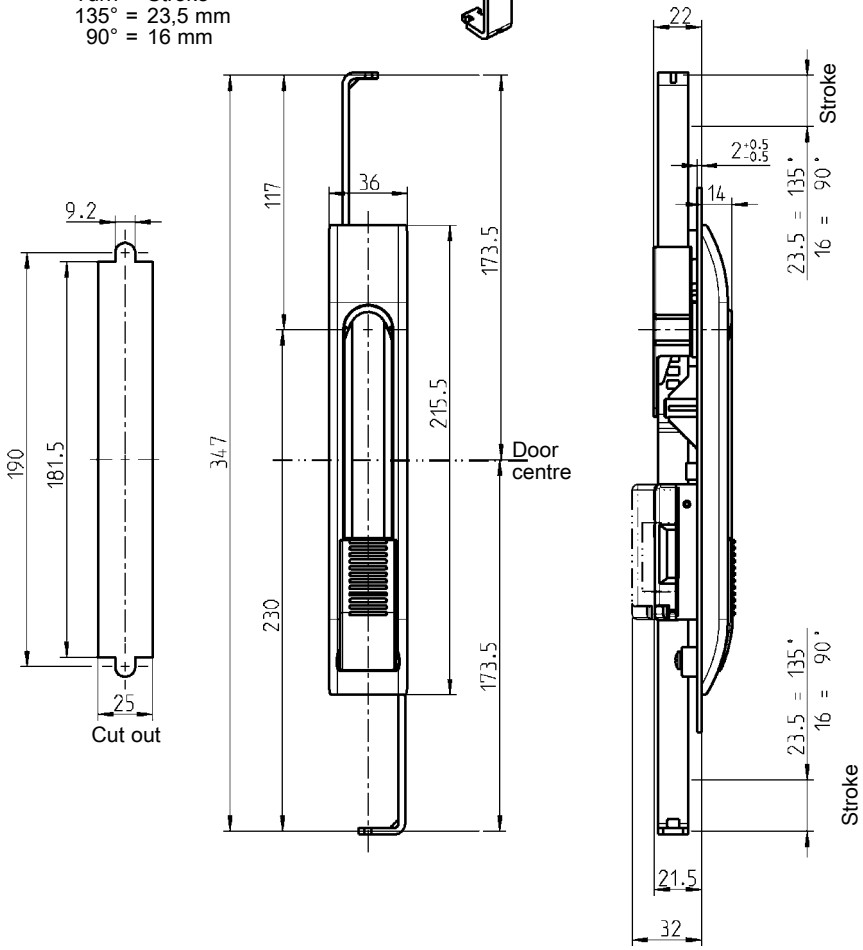
Swinghandle 1180 with rods

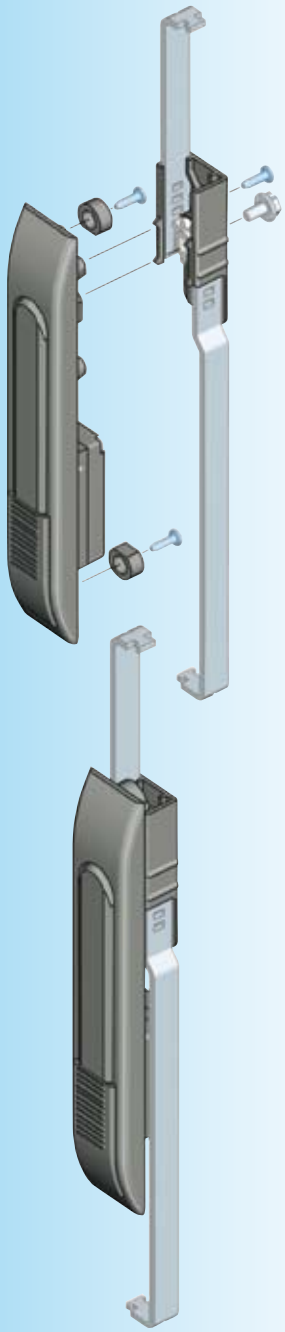
PROGRAM 1180

Swinghandle for assembled rod control



Turn = Stroke
135° = 23,5 mm
90° = 16 mm





Swinghandle polyamide GF black with push button (2100-U57), handle zinc die black powder coated, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal	
	1180-U301
Rod control polyamide GF black, rods m.s. zinc plated	
RH version	1180-U200-RE
LH version	1180-U200-LI

Further parts see page

– Locking set	3XA-120 3XA-240
– Locking set ELM	Chapter 11
– Rod	
outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-220

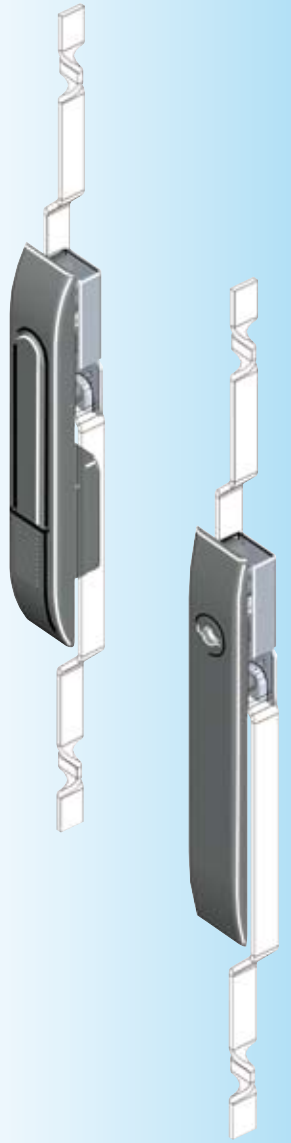
EMKA

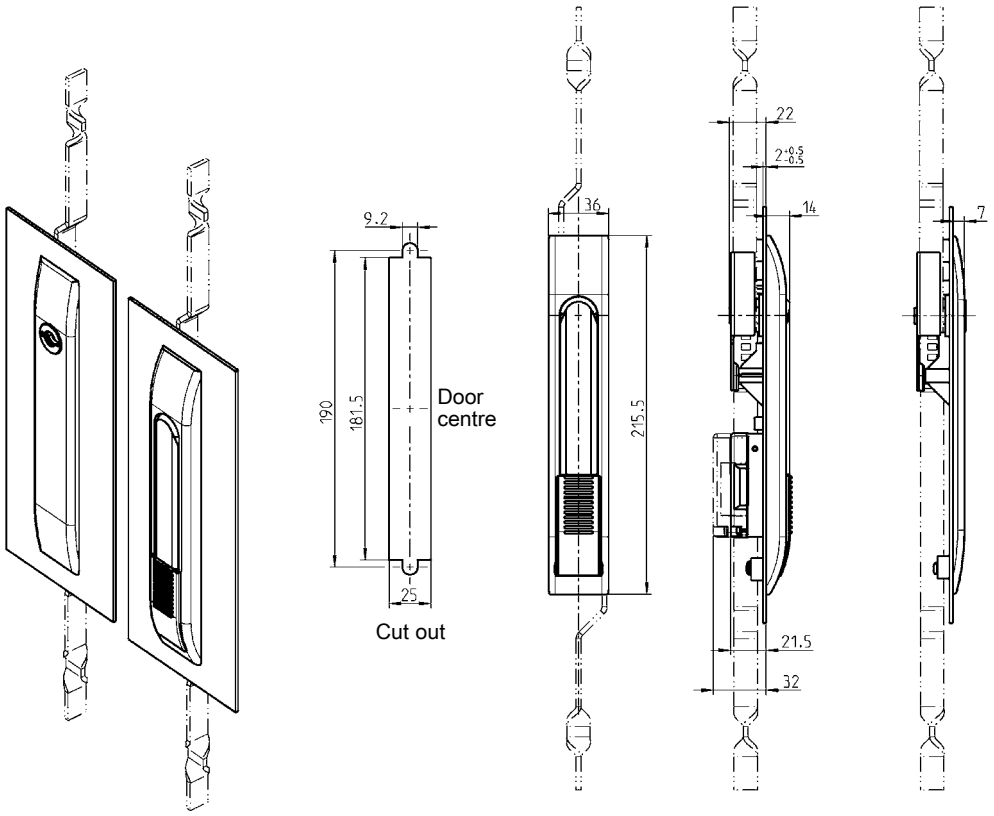
Beschlagteile

®Swinghandle 1180 or escutcheon for rods

PROGRAM 1180







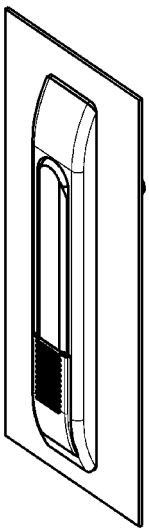
Swinghandle polyamide GF black with push-button (2100-U57), handle zinc die black powder coated, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal	
	1180-U101
Escutcheon polyamide black, insert zinc die chrome plated, fixing material m.s. zinc plated, with seal	
with mask	
Double bit 3	1180-U102
Double bit 5	1180-U103
FIAT	1180-U114
without mask	
Square 6	1180-U104
Square 7	1180-U105
Square 8	1180-U106
Triangular 6,5 CNOMO	1180-U115
Triangular 7	1180-U107
Triangular 8	1180-U108
Square female 8	1180-U113
Daimler Benz	1180-U109
Slot 2x4	1180-U110
Double bit 3	1180-U111
Double bit 5	1180-U112
Eastern Europe Ø 13	1180-U116

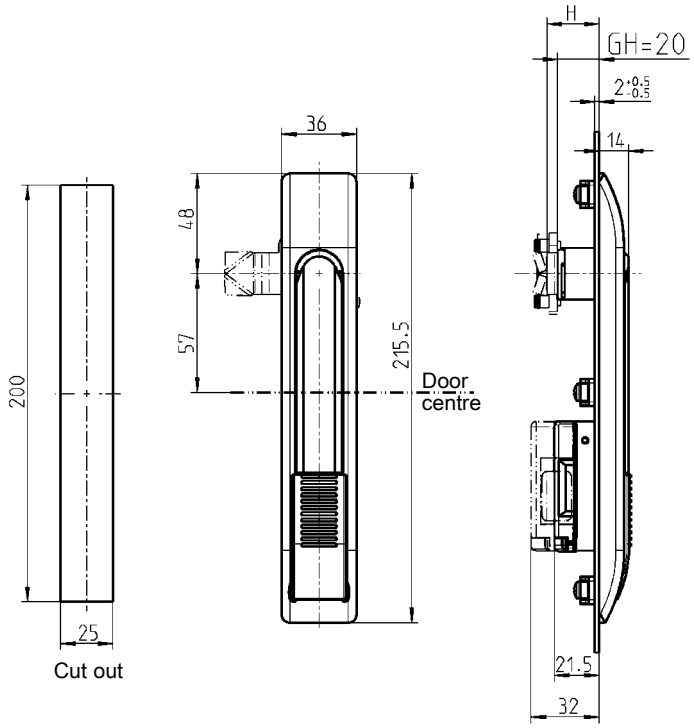
Further parts see page

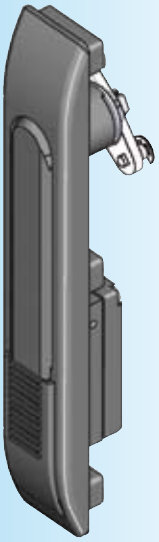
– Key	12B-120
– Locking set	3XA-120
	3XA-240
– Locking set ELM	Chapter 11
– Rod	
outside	3ZA-520

Swinghandle 1180 for 3-point-locking system

PROGRAM 1180







Swinghandle polyamide GF black with push-button (2100-U57), handle zinc die black, powder coated shaft zinc die zinc plated, fixing material m.s. zinc plated, fixing bridges polyamide GF. black, with seal.

	1180-U201

Further parts see page

– Locking set	3XA-120 3XA-240
– Locking set ELM	Chapter 11
– Cam (GH = 20)	3YC-140

EMKA®

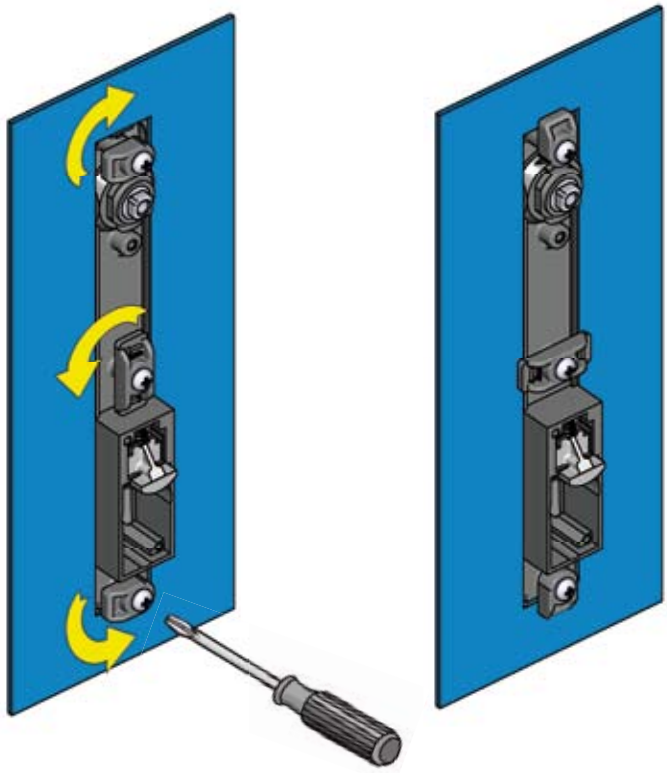
Beschlagteile

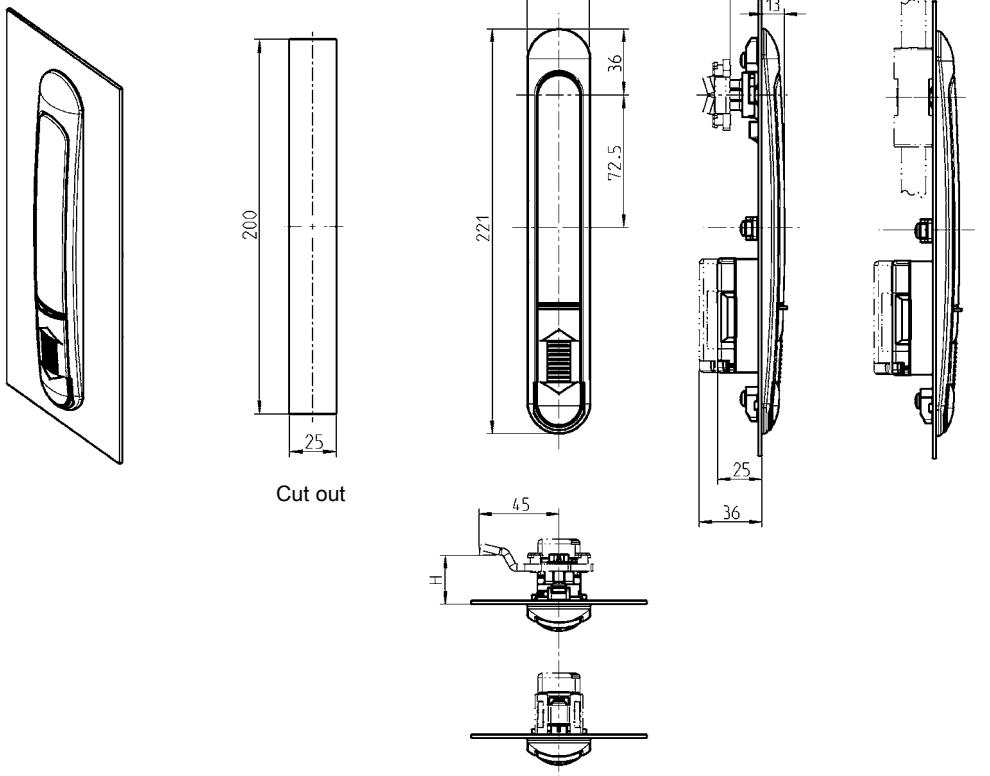
Notes:

Swinghandle 1185 for cam or rod control

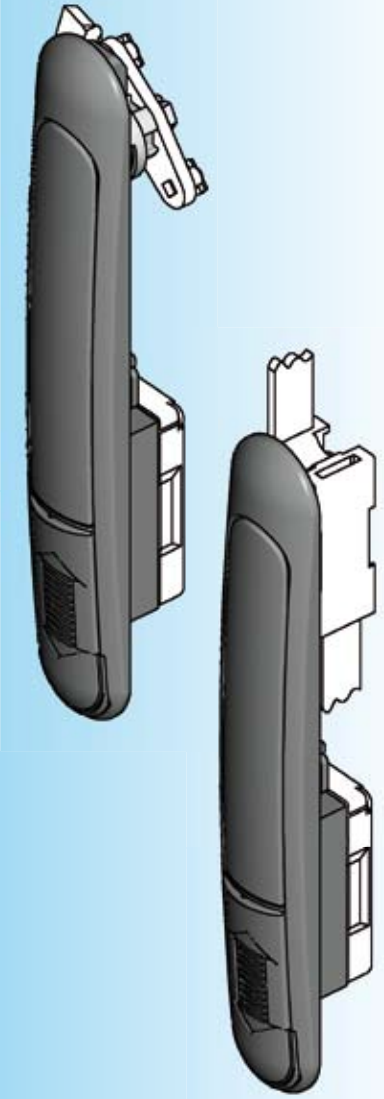
PROGRAM 1180

A 90° turn with pre-assembeld fixing bridges will secure handle





Cut out



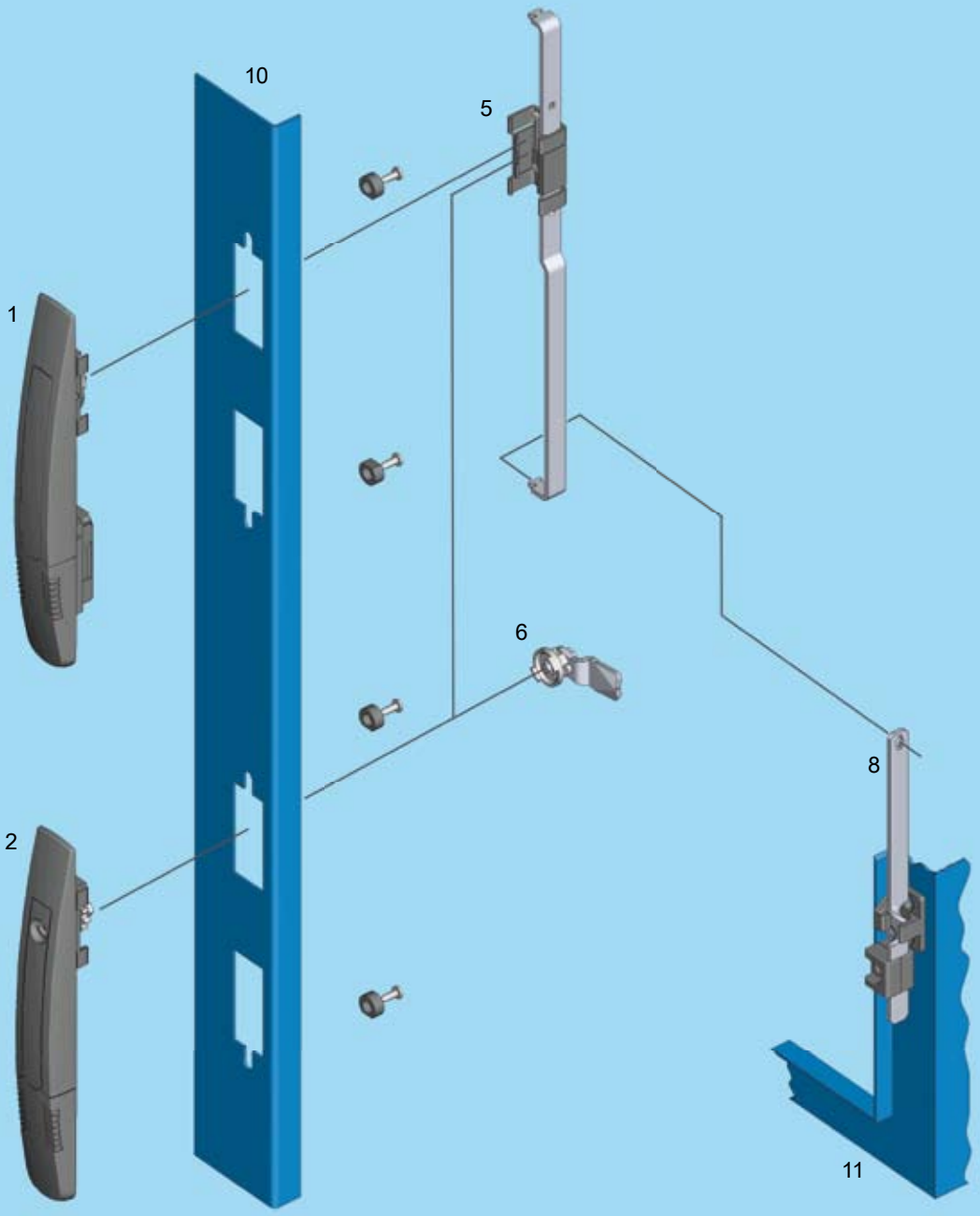
Note:
Swinghandle without locking set

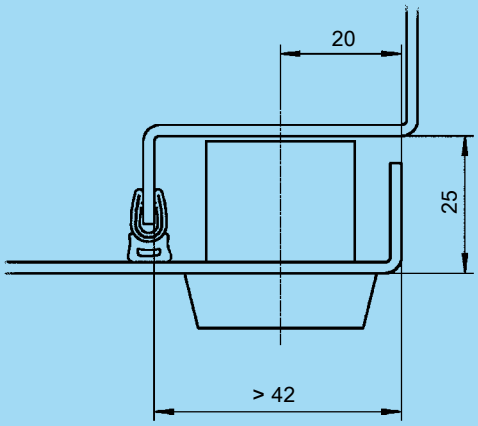
Further parts see page

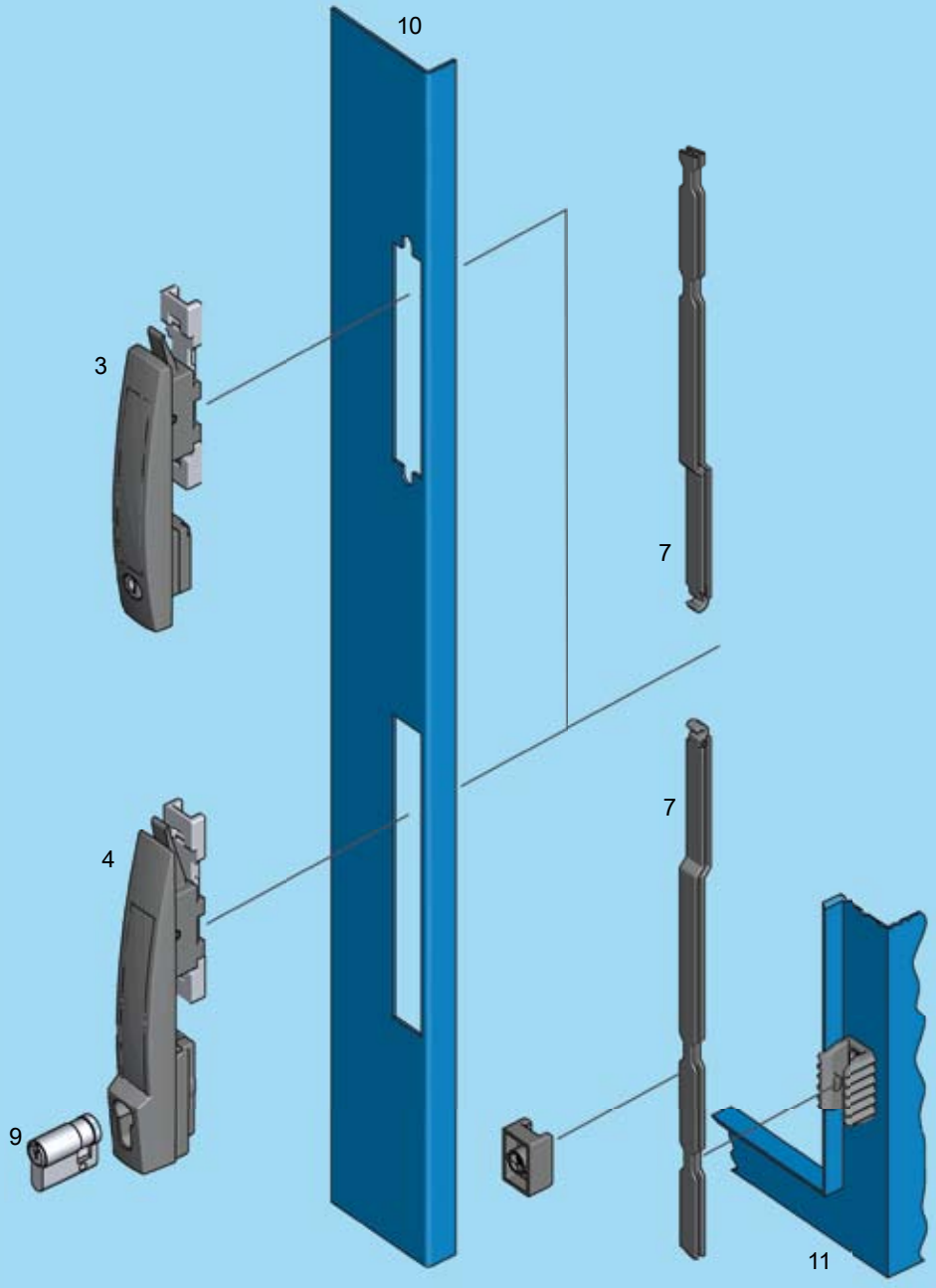
– Locking set	3XA-120 3XA-140
– Locking set ELM	Chapter 11
– cam (stroke = 26)	3YC-120
– Rod control	3YA-480

Swinghandle polyamide GF black, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal	
for cam	1185-U1
for rod control	1185-U2

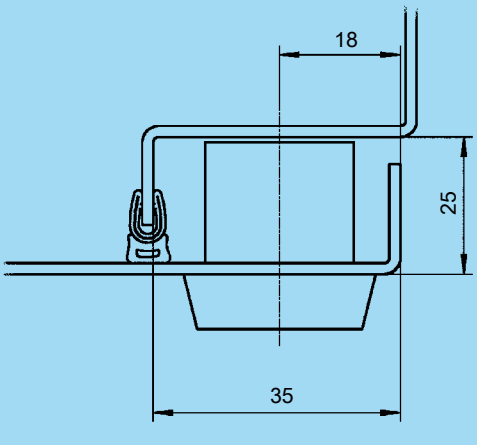
Lifthandle and escutcheon Program 1190

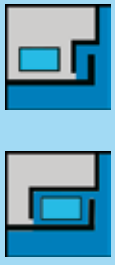






1	Lifthandle	3C-120
2	Escutcheon	3C-220
3	Lifthandle	3C-420
4	Lifthandle	3C-430
5	Rod	
6	Cam	
7	Rod	
8	Rod	
9	Profile half cylinder	
10	Door	
11	Cabinet/frame	





3F-100

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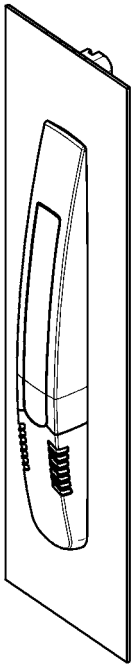
Beschlagteile

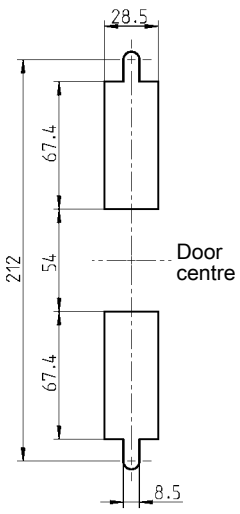
Lifthandle

PROGRAM 1190

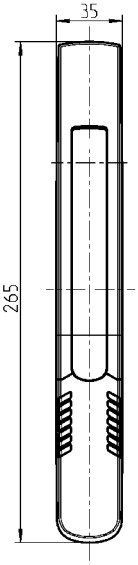
RL IP 40

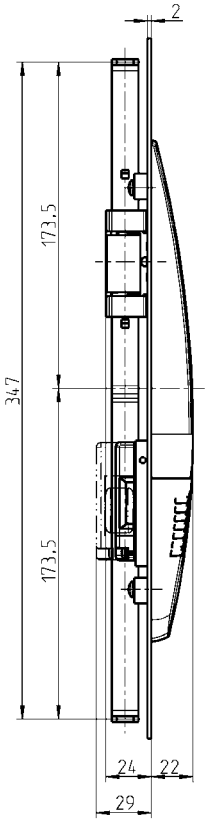


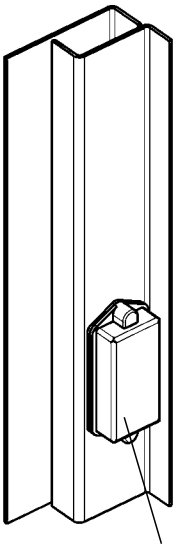




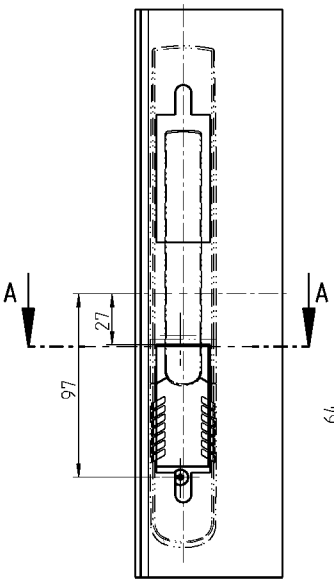
Cut out

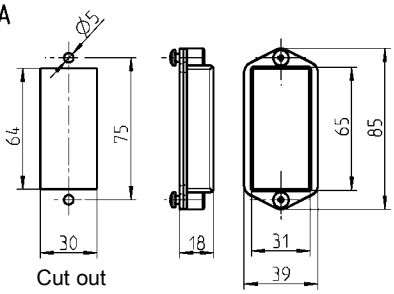




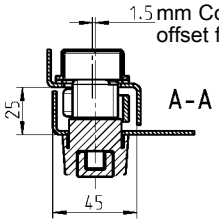


Frame-cover suitable for use outside the seal





Cut out



1.5 mm Covercap offset from the centre line

Note:
Frame-cover necessary only for kit see catalogue page 3XA-120

Stroke of rod one direction

Stroke 18 mm

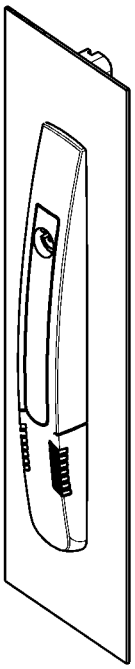
Further parts see page

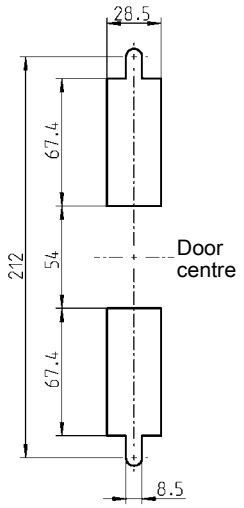
– Locking set	3XA-120 3XA-240
– Rod	
outside	3ZA-120 3ZA-320

Lifthandle polyamide GF black, flat rod m.s. zinc plated, push button polyamide black, fixing material m.s. zinc plated	
	1190-U1
Frame-cover polyamide GF black, screws m.s. zinc pl., for door LH and RH version, with seal	
	2100-U31

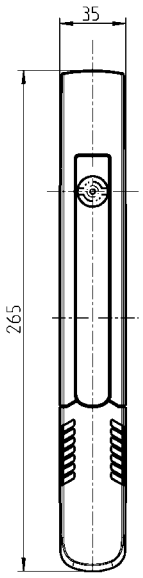
Escutcheon

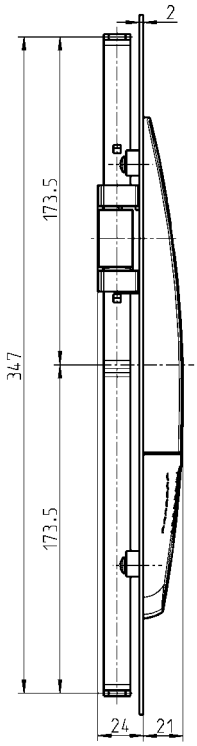
PROGRAM 1190

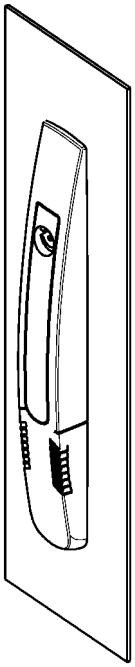


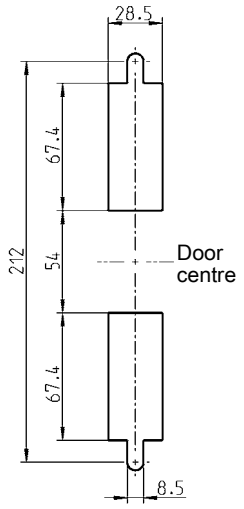


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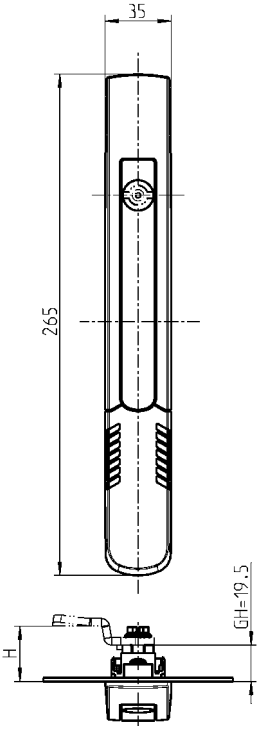


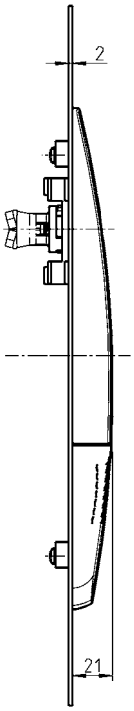


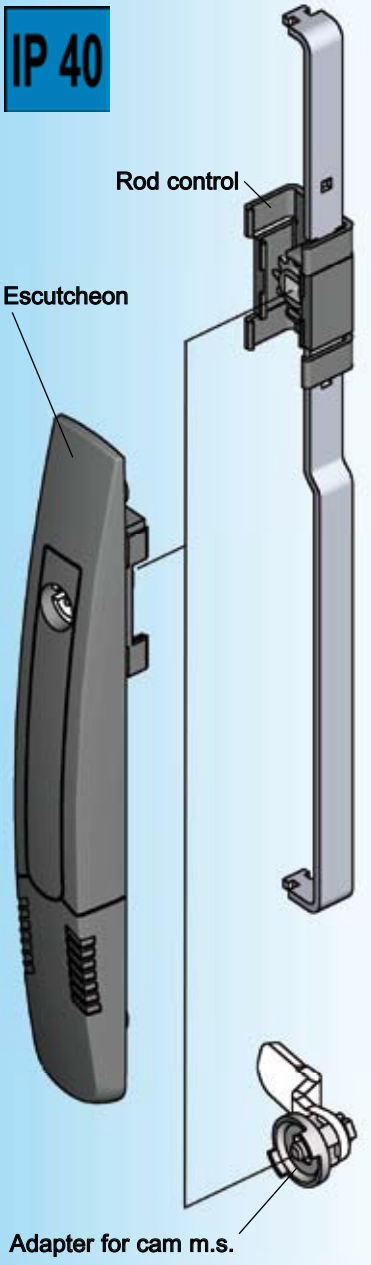




Cut out







Stroke of rod one direction

Stroke 23,5 mm

Further parts see page

– Rod

outside 3ZA-120
3ZA-320

– Insert 1B-140

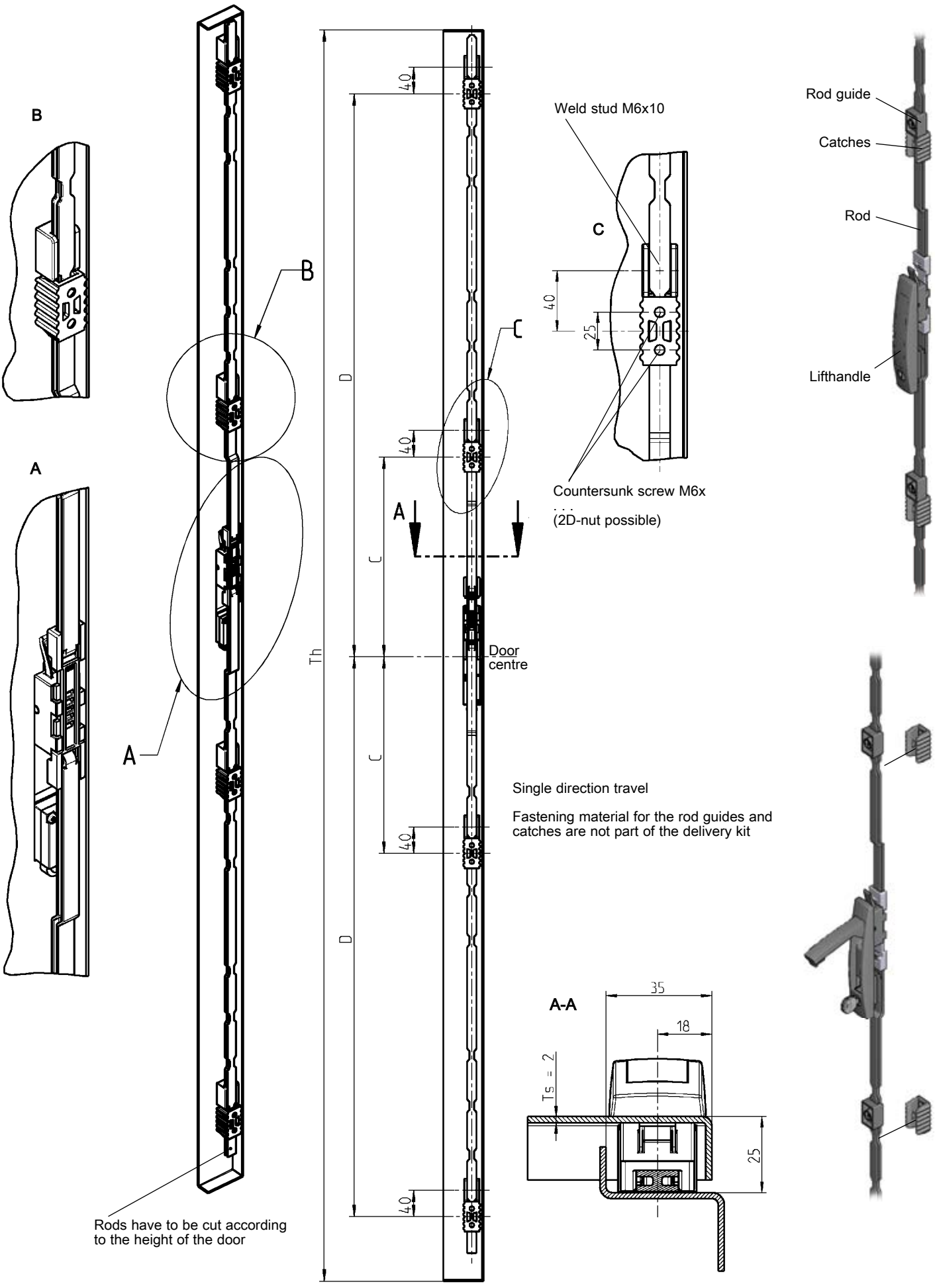
– Cam (GH=18) 1C-120

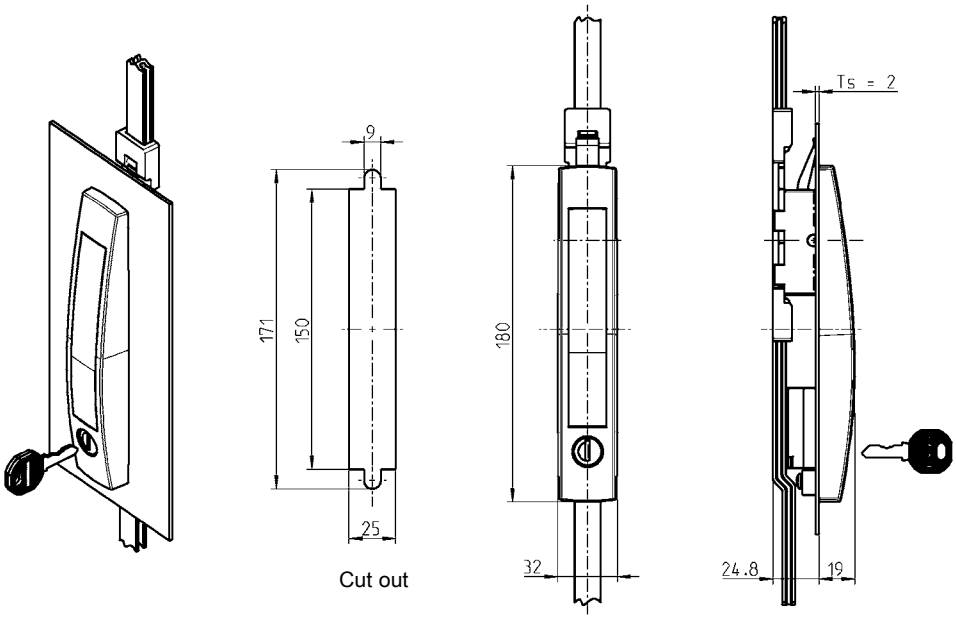
Note:
When using an adapter for cam the H-dimension is 1,5 mm larger

Escutcheon polyamide GF black, fixing material m.s. zinc plated	
	1190-U3
Rod control polyamide GF black, rods m.s. zinc plated	
	1190-U4
Adapter for cam Zinc die m.s. die cast, screw m.s. zinc plated	
	1190-U5

Complete lifthandle locking system

PROGRAM 1190







Lifthandle polyamide GF black, rod control zinc die, 2 rods polyamide GF black, number on choice, clip in rod guide plastic black for weld stud M6x10, number on choice, catch polyamide GF black for countersunk screw M6, screw m.s. zinc plated, round cylinder with stainless steel cap and dust protection.
Each round cylinder has one silver steel key with polyamide grip GF black.

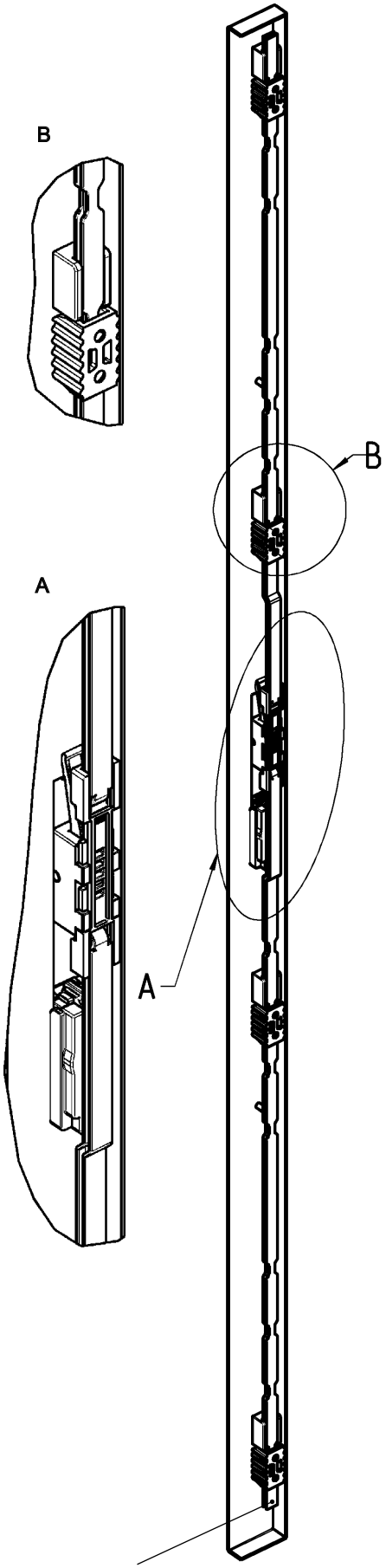
Quantity rod guides and catches	2	4
keyed EK 333	1190-U7	1190-U6
keyed different	1190-U7-V	1190-U6-V
Inserts: Chrome plated zinc alloy		
Square 6	1190-U20	1190-U9
Square 7	1190-U21	1190-U10
Square 8	1190-U22	1190-U11
Triangular 6,5 CNOMO	1190-U32	1190-U31
Triangular 7	1190-U23	1190-U12
Triangular 8	1190-U24	1190-U13
Double bit 3	1190-U25	1190-U14
Double bit 5	1190-U26	1190-U15
Daimler Benz	1190-U27	1190-U16
Slot 2x4	1190-U28	1190-U17
Hexagon 8 mm female with pin	1190-U29	1190-U18
Male hexagon 11 mm	1190-U30	1190-U19
Height of the door Th	**Dim. C**	**Dim. D**
800 - 1200	-	300
1200 - 1600	-	450
1600 - 1900	300	700
1900 - 2200	300	850

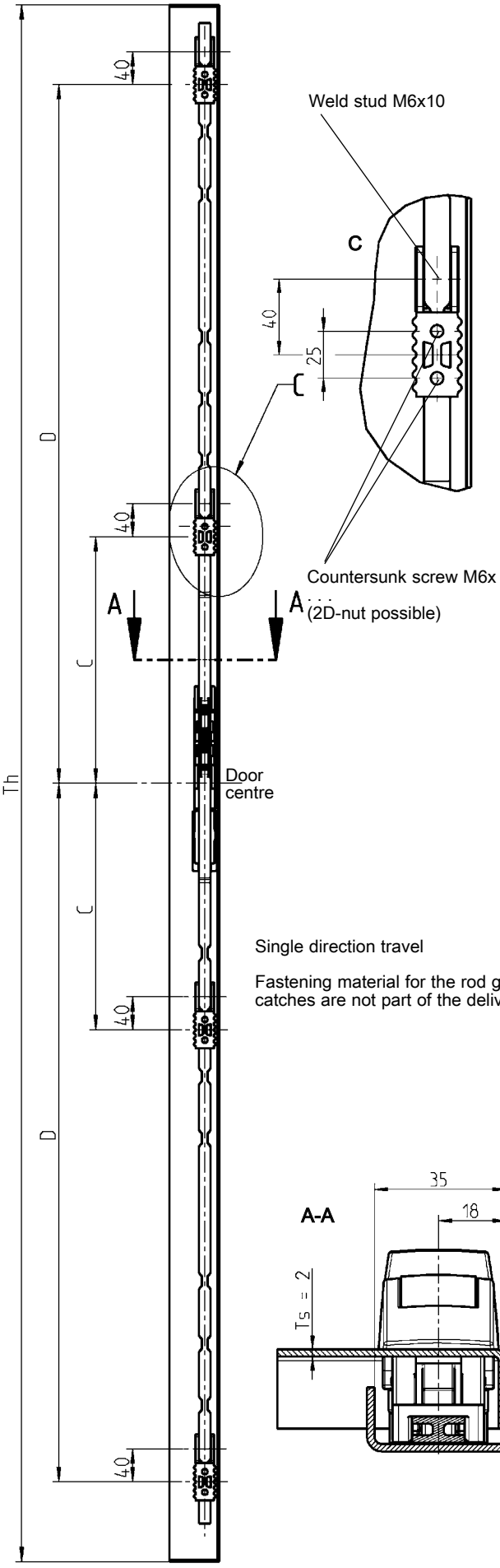
Stroke 18 mm

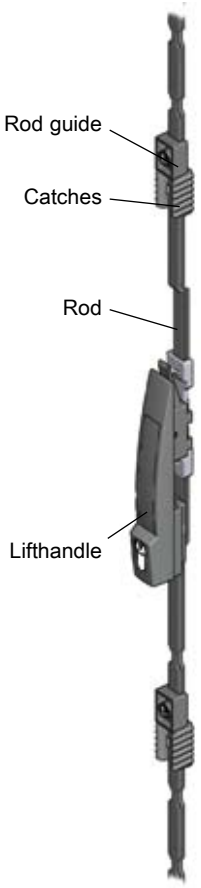
Further parts see page
Assembly instruction 3F-440

Complete lifthandle locking system

PROGRAM 1190

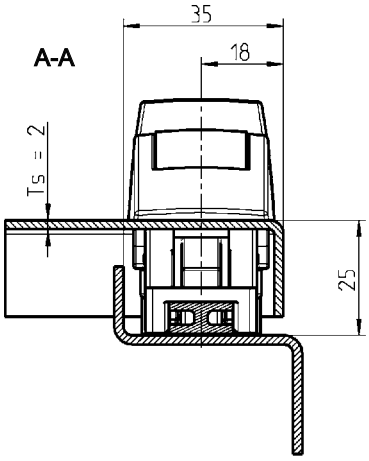






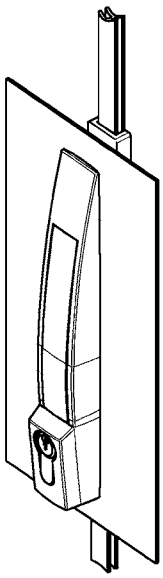
Single direction travel

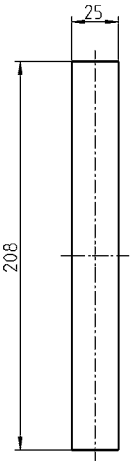
Fastening material for the rod guides and catches are not part of the delivery kit



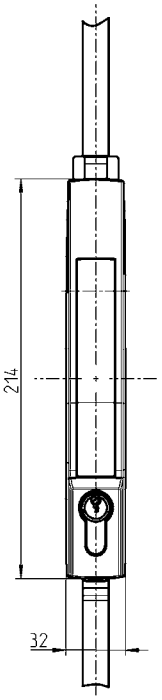


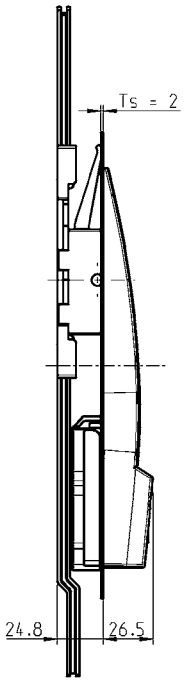






Cut out







Lifthandle polyamide GF black, rod control zinc die, 2 rods polyamide GF black, number on choice, clip-in rod guide plastic black for weld stud M6x10, number on choice, catch polyamide GF black for countersunk screw M6, screw m.s. zinc plated		
Quantity rod guides and catches	2	4
	1190-U107	1190-U106
Height of the door Th	**Dim. C**	**Dim. D**
800 - 1200	-	300
1200 - 1600	-	450
1600 - 1900	300	700
1900 - 2200	300	850

Stroke 18 mm

Further parts see page
– Assembly instruction 3F-440
Profile half cylinder 3XB-320

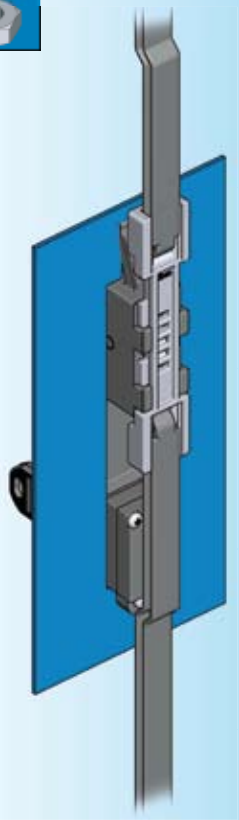
EMKA

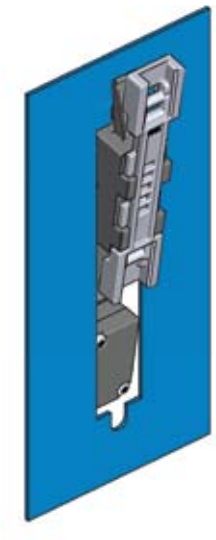
Beschlagteile

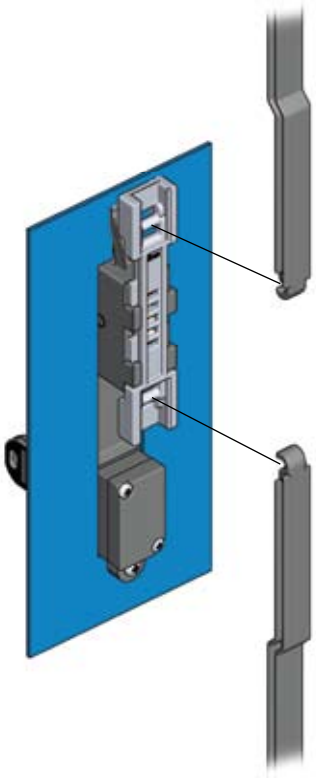
®Installation instructions: Lifthandle locking systems

PROGRAM 1190







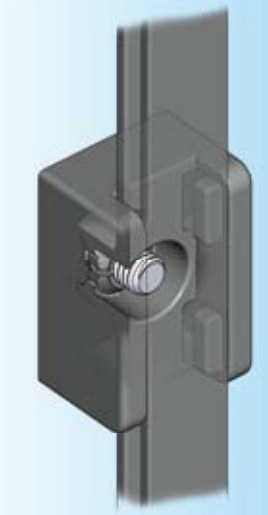


– Insert lifthandle through cut-out

– Fastening of the handle by use of the plastic washer and screw

– Rod guides to be slid on to the rods

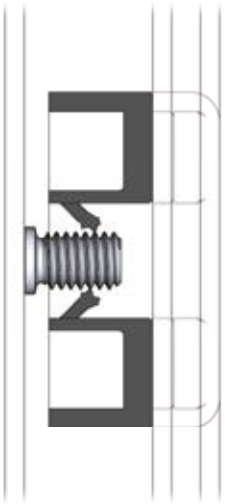
– Clip-in the rods



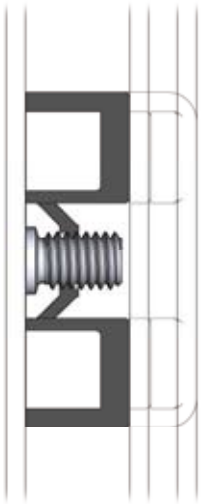
Rod guide with rod pictured transparent

Pull-out force: $F_{min.}$ = 350 N
Application force: Typical factor F = 135 N

These factors refer to a thread with surface raw or zinc plated and degreased.



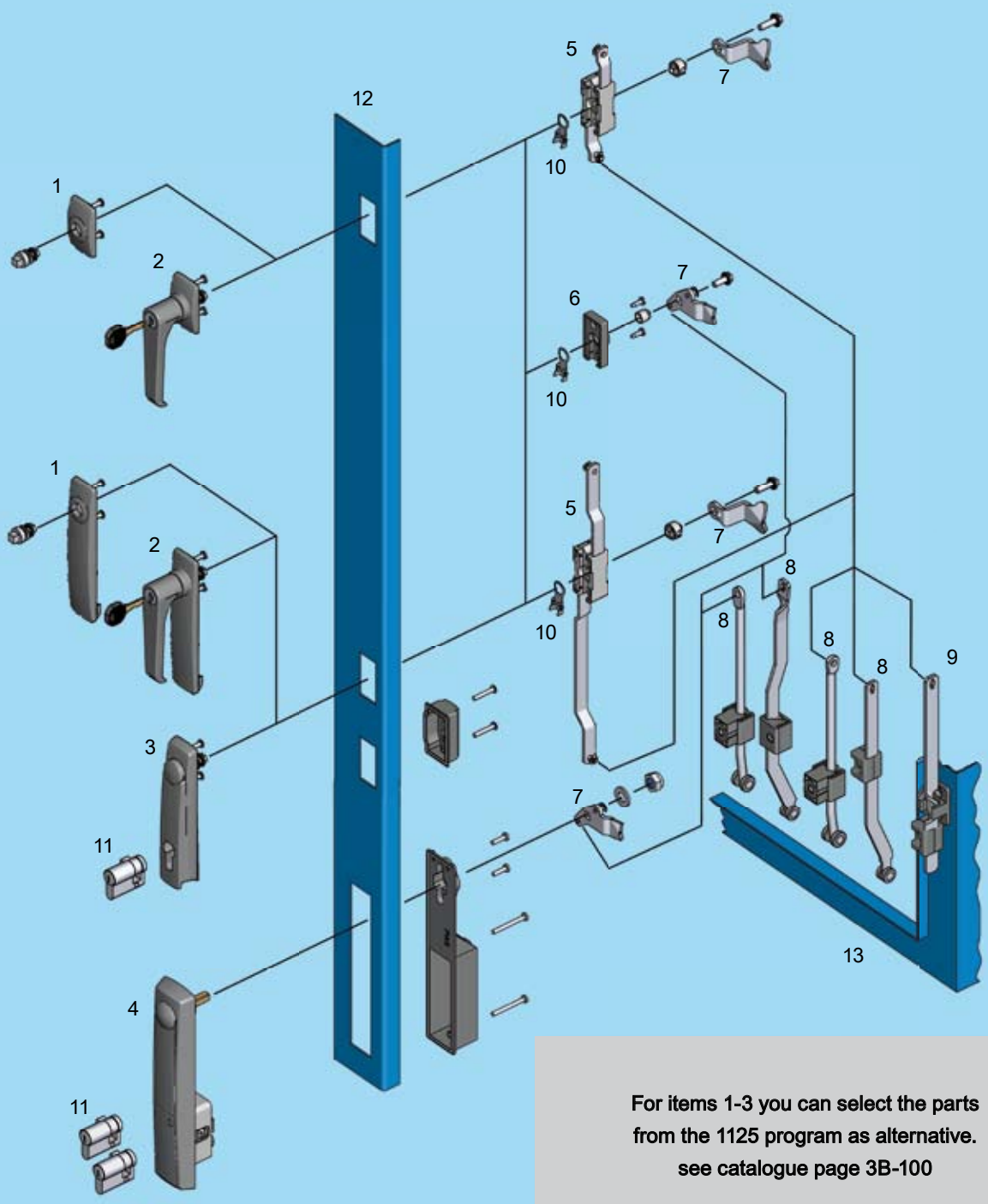
Rod guide can be pre-assembled on rod



Rod guide pre-assembled

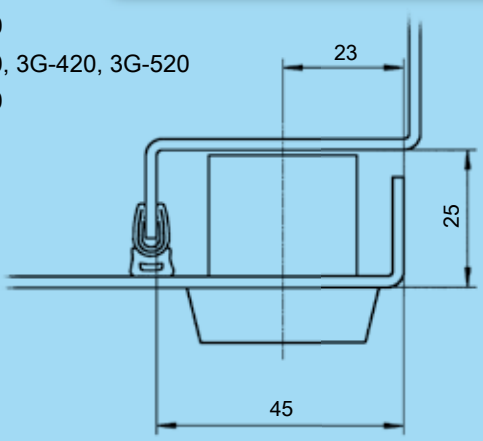
Further parts see page
– Further parts 3F-420

Swinghandle and escutcheon Program 1225



For items 1-3 you can select the parts from the 1125 program as alternative.
see catalogue page 3B-100

1	Escutcheon with insert	3G-120
2	Escutcheon with handle	3G-180
3	Swinghandle	3G-220, 3G-420, 3G-520
4	Swinghandle (double cylinder)	3G-320
5	Rod control	
6	Bearing bush	
7	Cam	
8	Rod (inside the gasketing)	
9	Rod (outside the gasketing)	
10	Earthing device	
11	Profile half cylinder	
12	Door	
13	Cabinet/frame	







3G-100

EMKA®

Beschlagteile

Escutcheon with insert

PROGRAM 1225



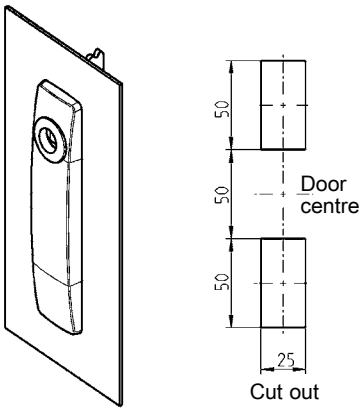


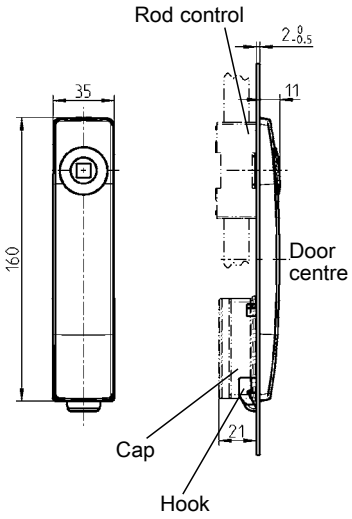




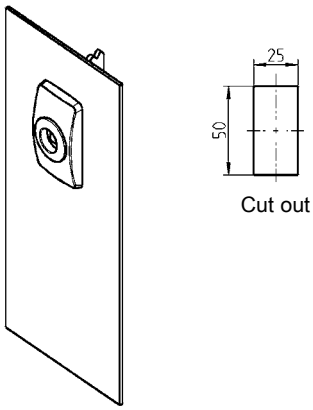
*** in Polyamide on request**

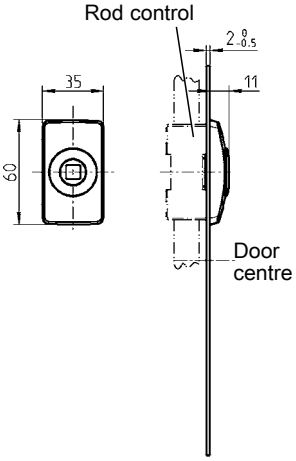
Escutcheon, long





Escutcheon, short

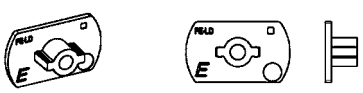




Escutcheon long polyamide GF black, screw m.s. zinc plated, with seal			Escutcheon short polyamide GF black, screws m.s. zinc pl., with seal IP 65
	hook IP 40	screw on cap IP 65	
for square, triangular			
Daimler-Benz, slot	1221-U19	1221-U133	1221-U22
for double bit	1221-U20	1221-U134	1221-U23
for railroad square 9	1221-U19A	1221-U135	1221-U22A

Insert, zinc die chrome plated, fixing material m.s. zinc plated			
Square 6	1121-U11	Double bit 3*	1121-U16
Square 7	1121-U12	Double bit 5*	1121-U17
Square 8	1121-U13	Square female 8	1121-U167
Triangular 6,5 CNOMO	1121-U169	Slot 2 x 4	1121-U123
Triangular 7	1121-U14	Railroad square 9	1121-U72
Triangular 8	1121-U15	Daimler Benz	1121-U18

Accessories



Transport safety device polyamide GF black for double bit insert

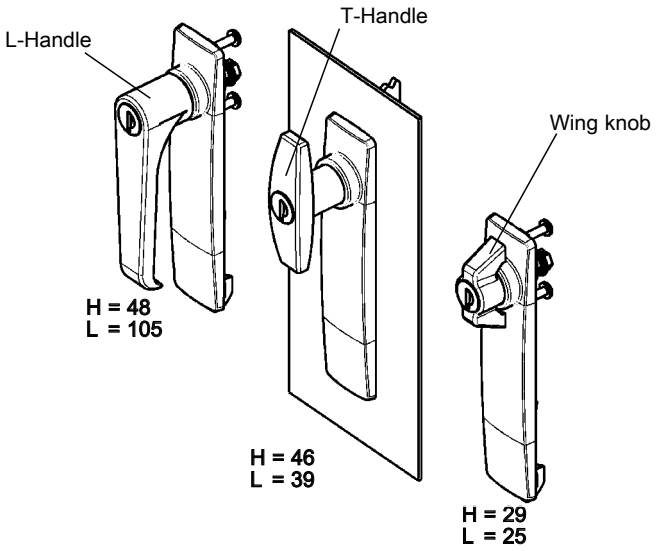
1121-32

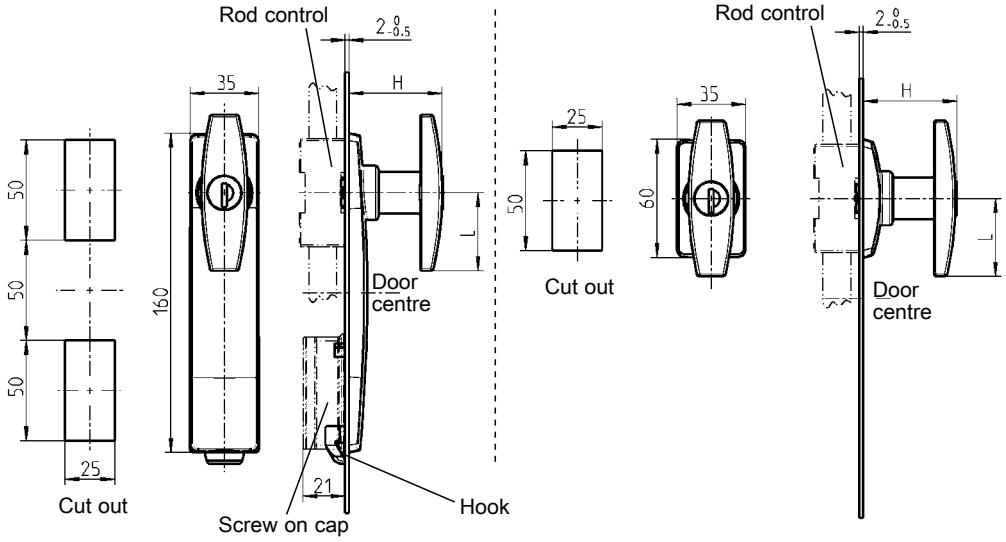
Further parts see page

– Key 12B-120
– Rod control for long version 3YA-120
3YA-140
Short version 3YA-160
– Bearing bush 3YB-120

Escutcheon with handle

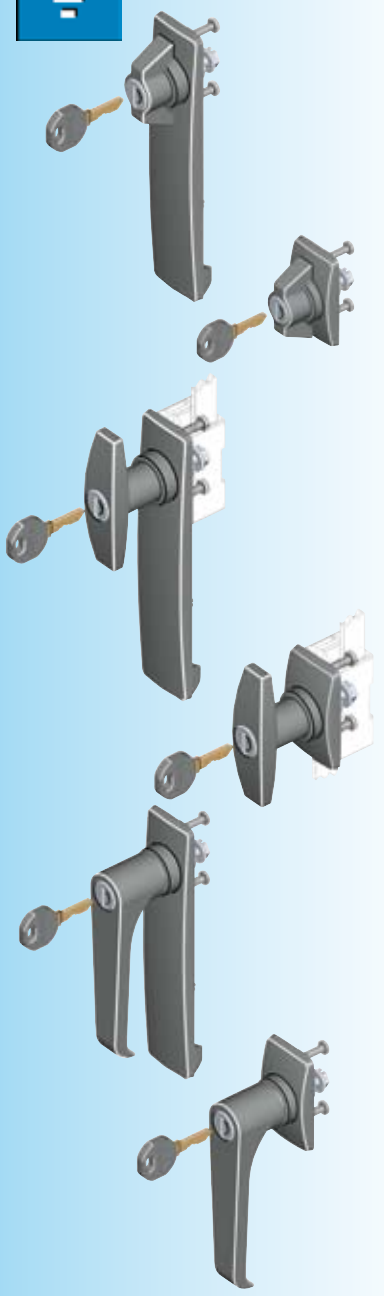
PROGRAM 1225





Each round cylinder has one silver steel key with polyamide grip GF black.

Escutcheon polyamide GF black, round cylinder with stainless steel cap and shutter, fixing material m.s. zinc plated, with seal	Escutcheon long		Escutcheon
	hook IP 40	screw on cap IP 65	short IP 65
Wing knob zinc die black powder coated			
non locking	1223-U1	1223-U25	1223-U4
keyed EK 333	1223-U2	1223-U26	1223-U5
keyed different	1223-U3	1223-U27	1223-U6
T-Handle zinc die black powder coated			
non locking	1223-U7	1223-U28	1223-U10
keyed EK 333	1223-U8	1223-U29	1223-U11
keyed different	1223-U9	1223-U30	1223-U12
prepared for KABA 1036	1223-U21	–	1223-U22
L-Handle zinc die black powder coated			
non locking	1223-U13	1223-U31	1223-U16
keyed EK 333	1223-U14	1223-U32	1223-U17
keyed different	1223-U15	1223-U33	1223-U18
prepared for KABA 1036	1223-U19	–	1223-U20



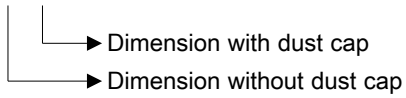
Further parts see page

– Key	12B-120
– Spare key	12B-140
– Rod control for long version	3YA-120 3YA-140
Short version	3YA-160
– Bearing bush	3YB-120
– Dust cap for T-Handle	1C-340

Swinghandle

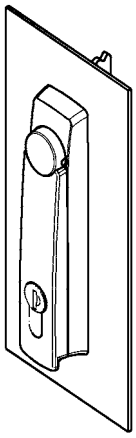
PROGRAM 1225

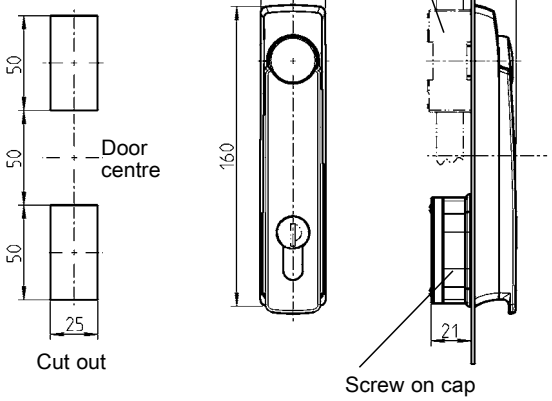
Example:
***(22/24 mm)**



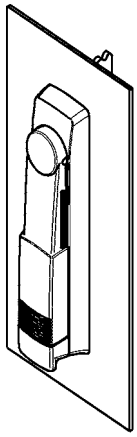
Swinghandle for profile half cylinder, polyamide GF black, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal				
	screw on cap IP 65		**hook IP 40**	
	with sliding dust cover	**without sliding dust cover**	**with sliding dust cover**	**without sliding dust cover**
for 40 mm half cylinder *(22/24 mm)	1225-U191	1225-U190	1225-U186	1225-U185
for 40 mm half cylinder *(22/24 mm) lead-sealable	1225-U191-01	-	1225-U186-01	-
for 45 mm half cylinder *(28/30 mm)	1225-U196	1225-U195	1225-U194	1225-U193
with cylinder (Berlin version)	-	-	1225-U276	1225-U275
Swinghandle for profile half cylinder polyamide GF black, handle zinc die black powder coated, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal				
for 40 mm half cylinder *(22/24 mm)	-	1225-U190-01	-	1225-U185-01
Swinghandle polyamide GF black with EMC-shielding for profile half cylinder, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal				
for 40 mm half cylinder *(22/24 mm)	1225-U191-E	-	-	-
Swinghandle polyamide GF black with round cylinder including stainless steel cap and dust cap or insert zinc die chrome plated, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal. Each round cylinder has one silver steel key with polyamide grip GF black.				
	screw on cap		**hook**	
	with sliding dust cap	**without sliding dust cap**	**with sliding dust cap**	**without sliding dust cap**
Round cylinder keyed EK 333	1225-U206	1225-U202	on request	1225-U268
Round cylinder keyed different	1225-U207	1225-U203	on request	1225-U269
Square 6 [1]	1225-U242	1225-U210	on request	on request
Square 7 [1] [2]	1225-U243	1225-U211	on request	on request
Square 8 [1] [2]	1225-U244	1225-U212	on request	on request
Square 8 slotted	1225-U245	1225-U213	on request	on request
Triangular 6,5 CNOMO	1225-U246	1225-U214	1225-U201	1225-U200
Triangular 7 [1]	1225-U247	1225-U215	on request	on request
Triangular 8 [1] [2]	1225-U248	1225-U216	on request	on request
Double bit 3	1225-U249	1225-U236	on request	on request
Double bit 5	1225-U250	1225-U239	on request	on request
Hexagon female 10	1225-U251	1225-U219	on request	on request
Female Square 6	1225-U252	1225-U220	on request	on request
Female Square 8	1225-U253	1225-U221	on request	on request
Daimler Benz	1225-U254	1225-U222	on request	on request
Slot 1,2 x 3	on request	on request	on request	on request
Slot 2 x 4 [1] [2]	1225-U256	1225-U224	on request	on request
Crown type	1225-U257	1225-U225	on request	on request
Eastern Europe Ø 13	1225-U282	1225-U283	on request	on request
Prepared for padlock and profile cylinder	-	1225-U184	-	on request

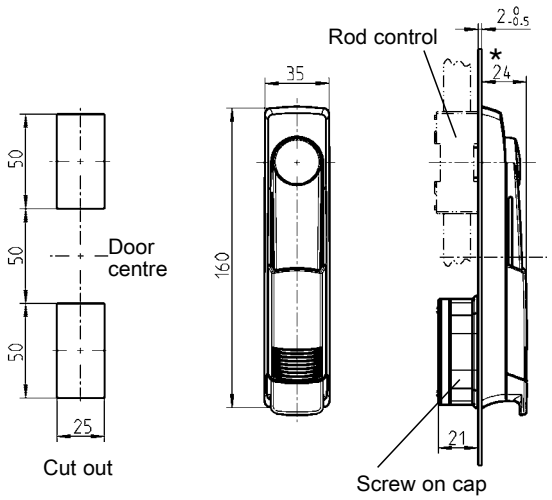
Swinghandle for profile half cylinder



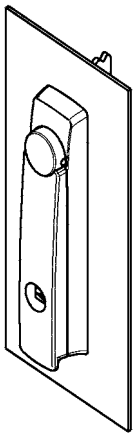


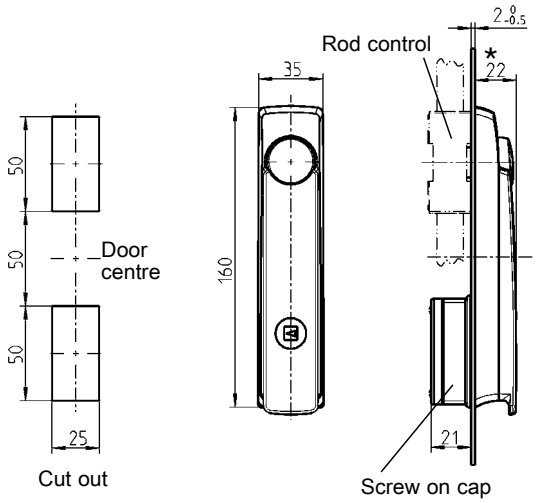
Swinghandle with sliding dust cover



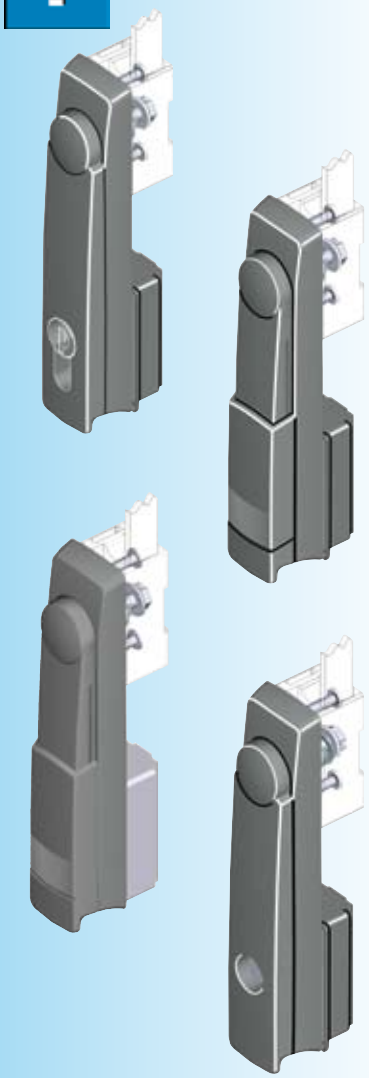


Swinghandle with round cylinder or insert









Further parts see page

– Key	11B-120
– Rod control	3YA-120
	3YA-140
– Bearing bush	3YB-120
– Profile half cylinder	3XB-120

On request:
Insert in
1) Zinc die black p.c.
2) polyamide black
– Cap without foamed seal for small bending area
– EMC-version
– Swinghandle lead-sealable
– Handle in zinc die

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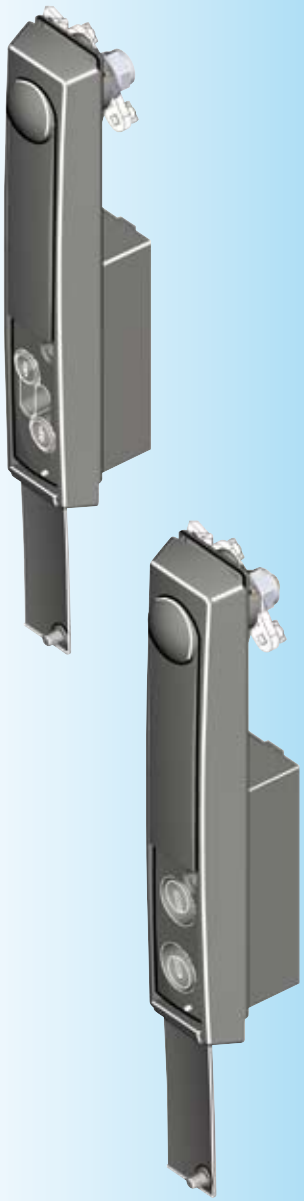
Double cylinder-swinghandle

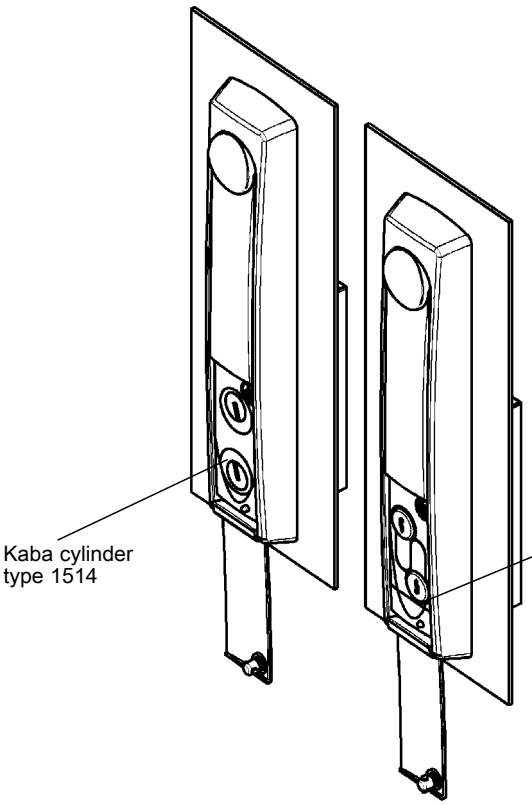
PROGRAM 1225

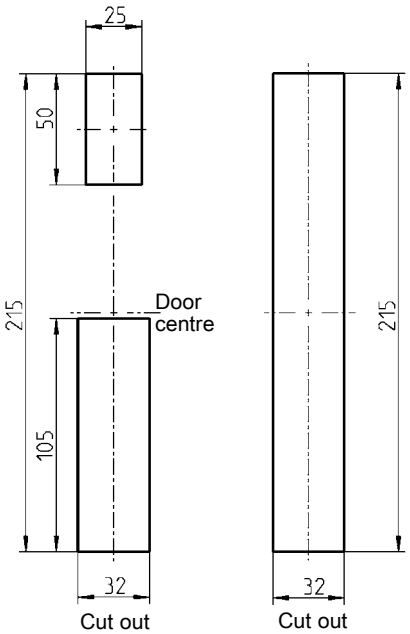


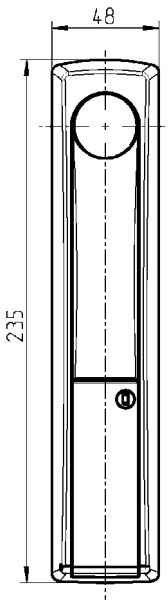


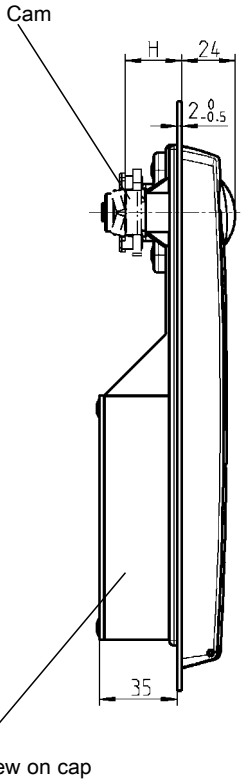








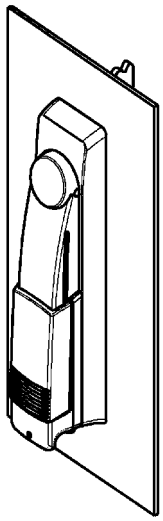


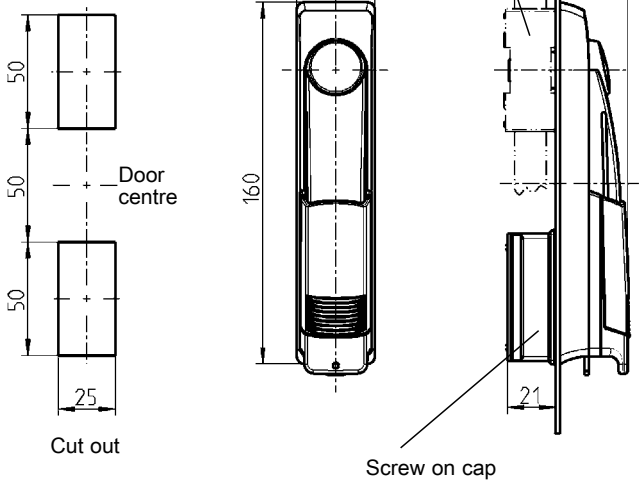
Further parts see page
– Cam 3YC-140
– Profile half cylinder 3XB-220
(please only use 1089-U1 or 1089-U2)

Swinghandle and escutcheon zinc die black powder coated, shaft brass, fixing material m.s. zinc pl., with seal	
Double cylinder swinghandle for profile half cylinder	1225-U60
Blank for using only one profile half cylinder	1109-09-AA
Double cylinder swinghandle for type KABA 1514	1225-U62

Swinghandle KABA and ASSA

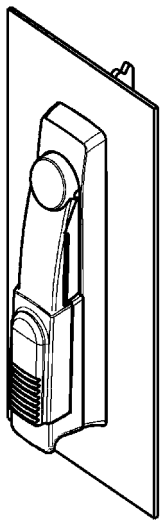
PROGRAM 1225

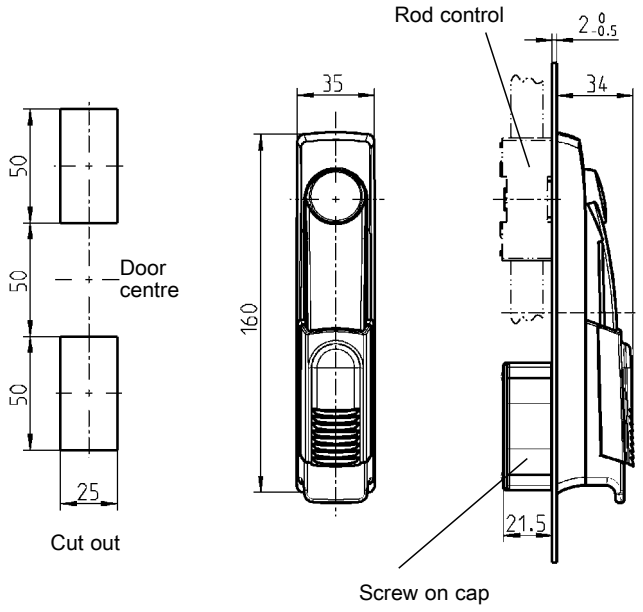




Note: Customer to supply own KABA Cylinder

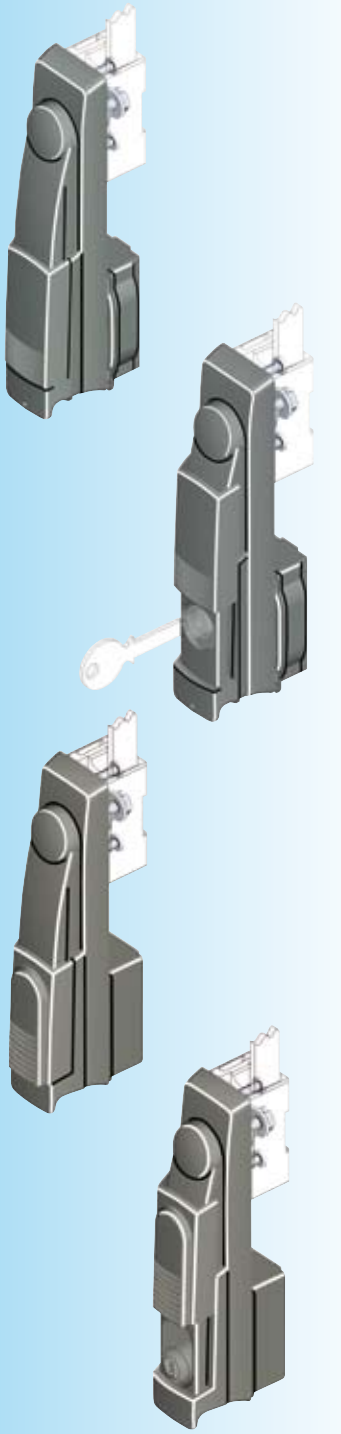
Swinghandle for KABA-cylinder, polyamide black, lead-sealable Fixing material m.s. Zinc platet with seal	
	1225-U291





Note: Customer to supply own ASSA Cylinder

Swinghandle for ASSA-cylinder, polyamide black, shaft zinc die zinc pl., fixing material m.s. zinc pl., with seal	
	1225-U198



Further parts see page

– Rod control	3YA-120 3YA-140
– Bearing bush	3YB-120

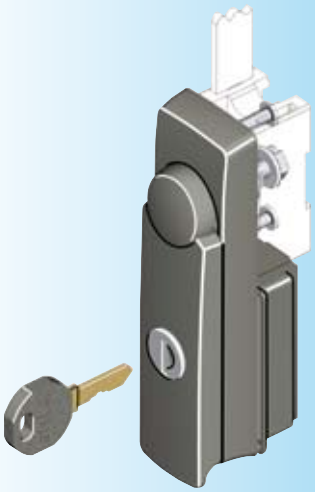
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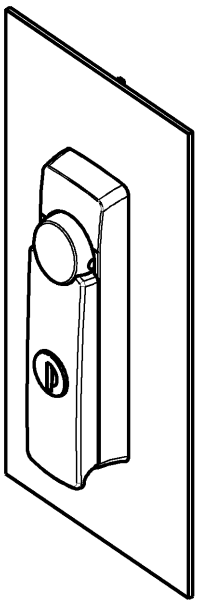
Beschlagteile

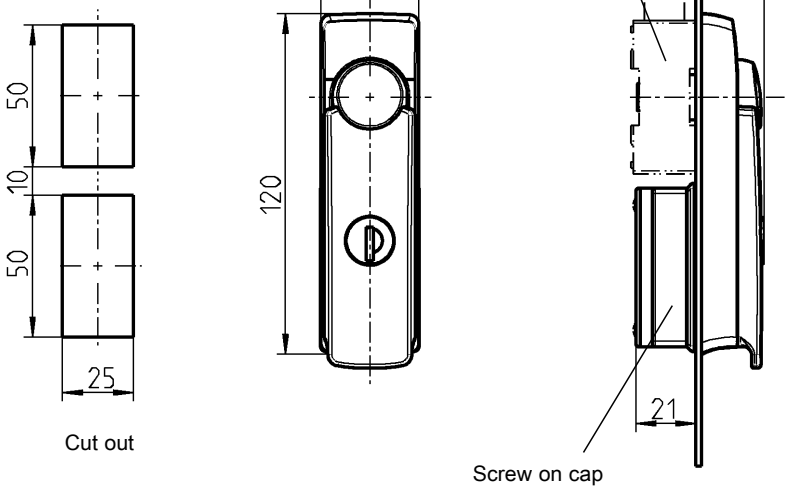
Swinghandle, small version

PROGRAM 1225







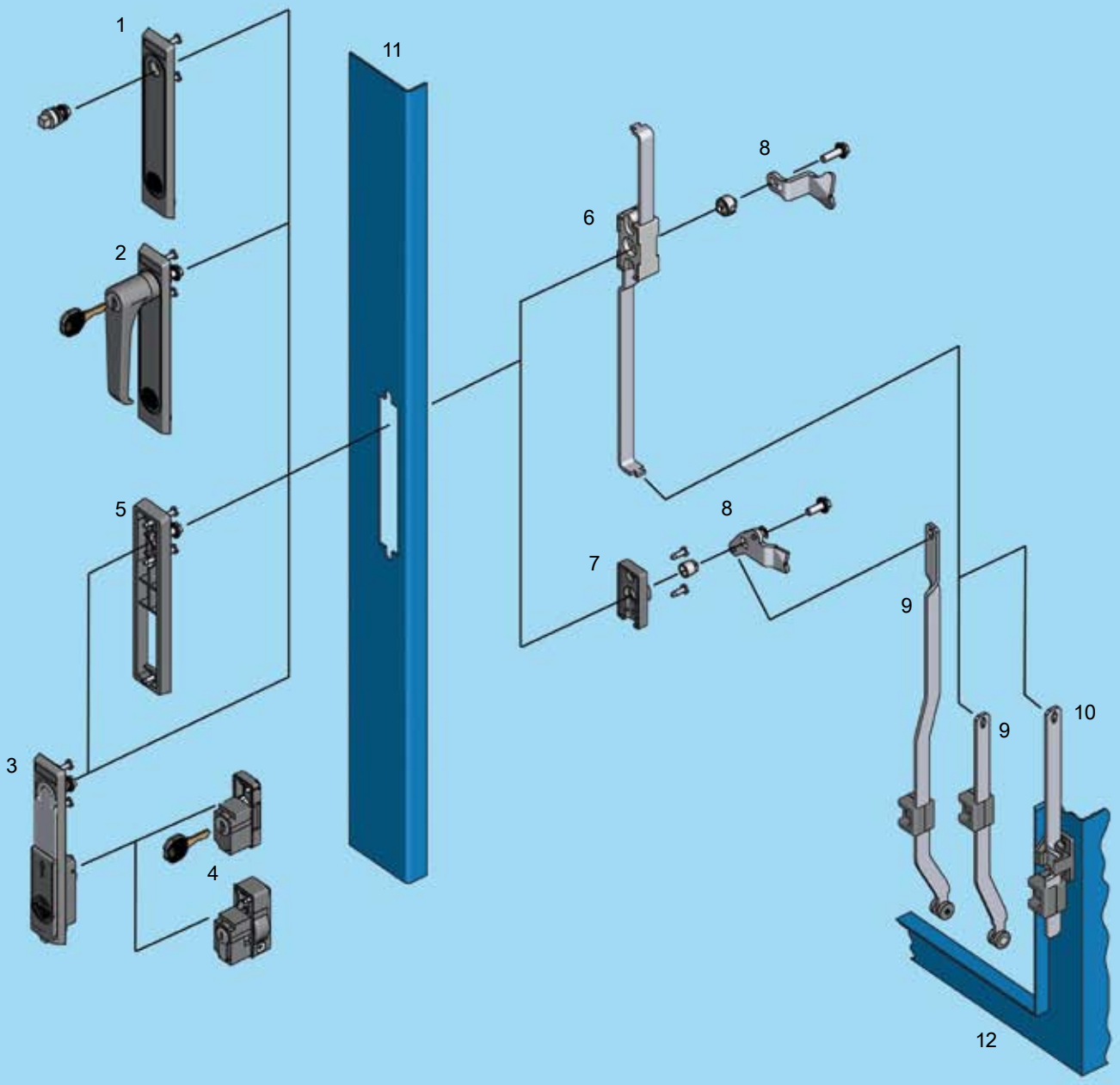


Further parts see page

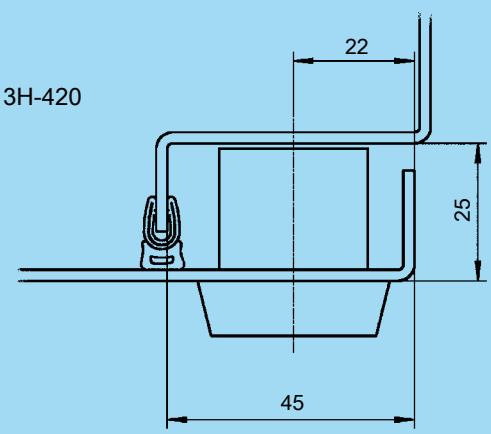
– Rod control (1121-U60-C or 1121-U61-C)	3YA-160
– Bearing bush (H-dimension Cam > 23)	3YB-120
– Spare key	12B-140

Swinghandle and escutcheon polyamide black, with round cylinder with stainless steel cap and shutter, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal	
keyed EK 333	1240-U1
keyed different	1240-U2

Swinghandle and Escutcheon Program 2100



1	Escutcheon with insert	3H-120
2	Escutcheon with handle	3H-220
3	Swinghandle	3H-320, 3H-420
4	Locking set	
5	Adapter frame	
6	Rod control	
7	Bearing bush	
8	Cam	
9	Rod (inside the gasketing)	
10	Rod (outside the gasketing)	
11	Door	
12	Cabinet/frame	







3H-100

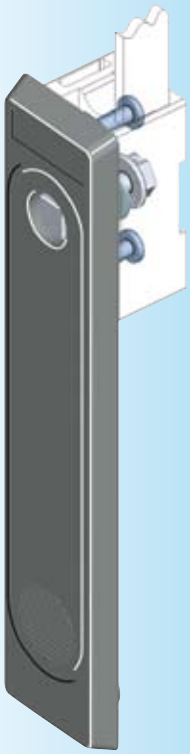
EMKA®

Beschlagteile

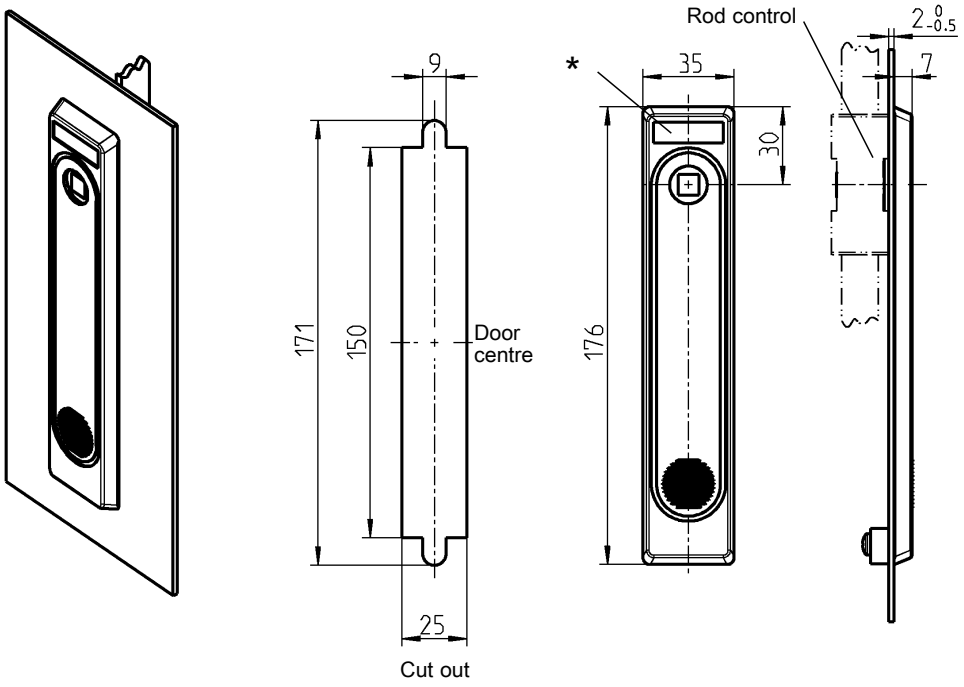
Escutcheon with insert

PROGRAM 2100







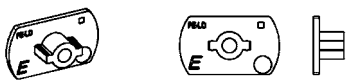


Escutcheon polyamide black, fixing material m.s. zinc plated, with seal			
for square, triangular, Daimler-Benz, slot	2150-U1		
for double bit with mask	2150-U2		
for FIAT	2150-U3		
Insert zinc die chrome pl., fixing material m.s. zinc pl.			
Square 6	1121-U11	Double bit 3**	1121-U16
Square 7	1121-U12	Double bit 5**	1121-U17
Square 8	1121-U13	Square female 8	1121-U167
Triangular 6,5 CNOMO	1121-U169	Daimler Benz	1121-U18
Triangular 7	1121-U14	FIAT	1121-U24
Triangular 8	1121-U15	Slot 2 x 4	1121-U123

* Logo recess: 27 x 8 x 0,5
Multicolour print possible

** in polyamide on request

Accessories



Transport safety device polyamide black for double bit insert

1121-32

Further parts see page

– Key	12B-120
– Rod control	3YA-520
	3YA-540
– Bearing bush	3YB-140

Escutcheon

PROGRAM 2100

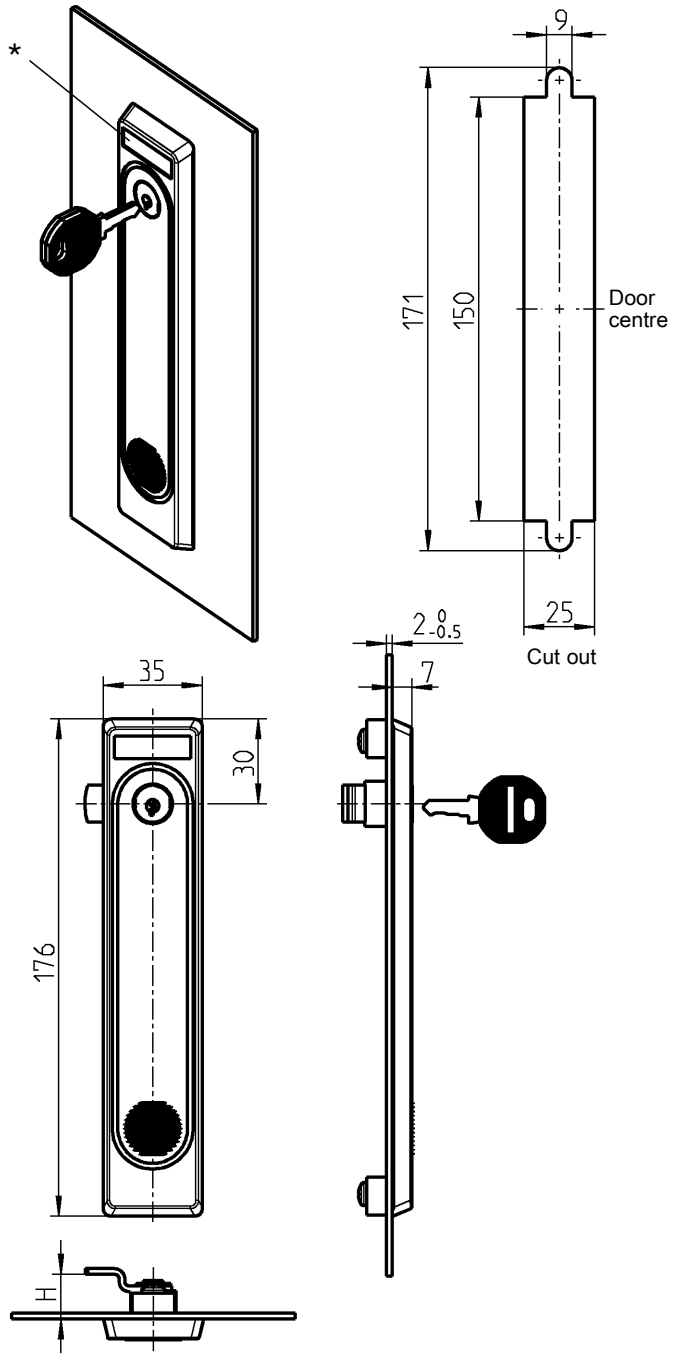
EMKA

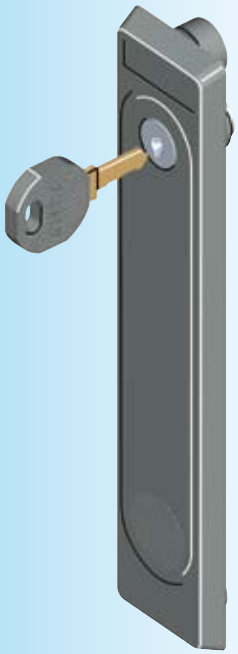
Beschlagteile

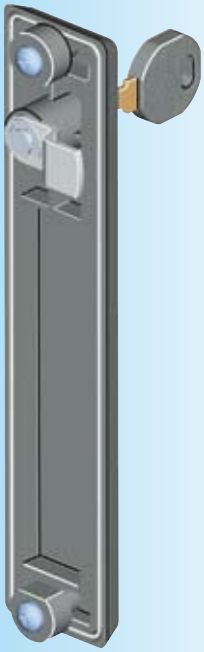



RL

IP 40







Escutcheon polyamide GF black, round cylinder zinc die with stainless steel cap, fixing material m.s. zinc plated, with seal. Each round cylinder has one silver steel key with polyamide grip GF black.		
H-dimension 4	**LH version**	**RH version**
keyed different	2150-U4	2150-U4-01
keyed alike 2233X	2150-U5	2150-U5-01
H-dimension 10	**LH version**	**RH version**
keyed different	2150-U6	2150-U6-01
keyed alike 2233X	2150-U7	2150-U7-01
H-dimension 16	**LH version**	**RH version**
keyed different	2150-U8	2150-U8-01
keyed alike 2233X	2150-U9	2150-U9-01

* Logo recess: 27 x 8 x 0,5
Multicolour print possible

Turn = 90°

Further parts see page
– Spare key 12B-140

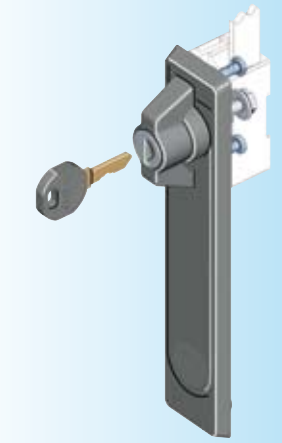
EMKA®

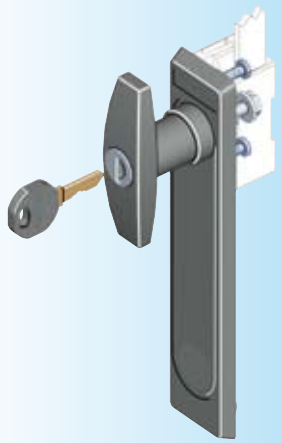
Beschlagteile

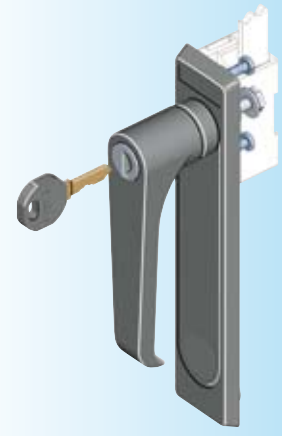
Escutcheon with handle

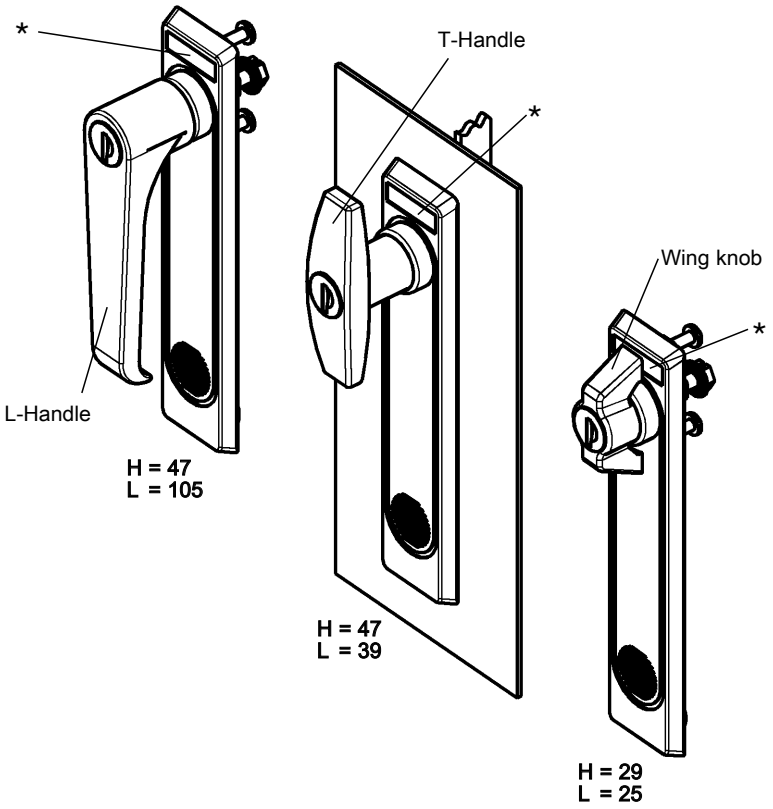
PROGRAM 2100

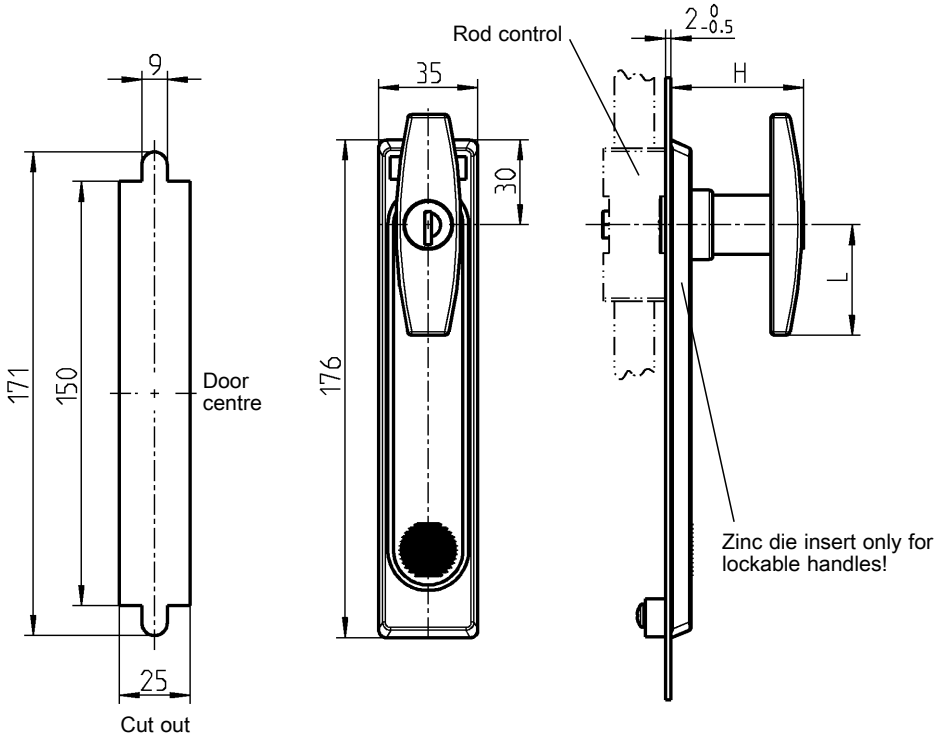












* Logo recess: 27 x 8 x 0,5
Multicolour print possible

** in polyamide on request

Further parts see page

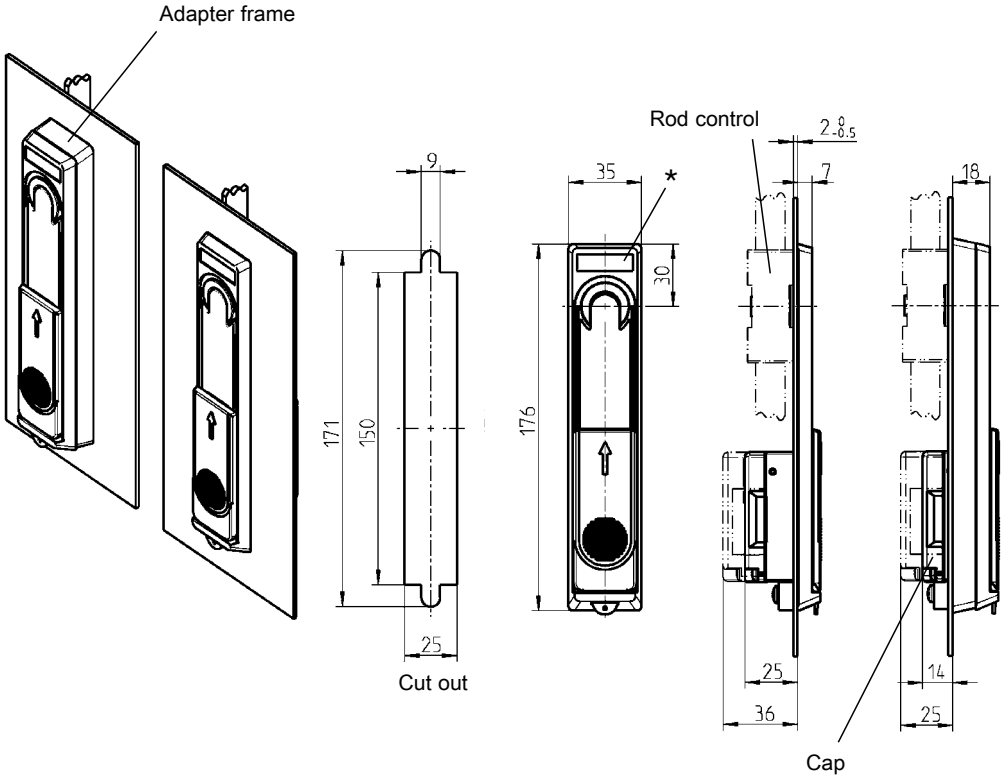
– Spare key	12B-140
– Rod control	3YA-520 3YA-540
– Bearing bush	3YB-140
– Dust cap for T-handle	1C-340

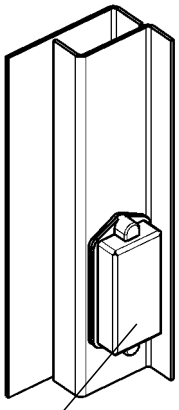
Escutcheon polyamide GF black; handle zinc die black powder coated, round cylinder with stainless steel cap and dust cap, fixing material m.s. zinc plated, with seal. Each round cylinder has one silver steel key with polyamide grip GF black.

	non locking	keyed EK 333	keyed different
Wing knob	2153-U9	2153-U10	2153-U11
T-Handle	2153-U6	2153-U7	2153-U8
L-Handle	2153-U3	2153-U4	2153-U5
Prepared for KABA-cylinder type 1036 with standard locking and / or locking systems			on request

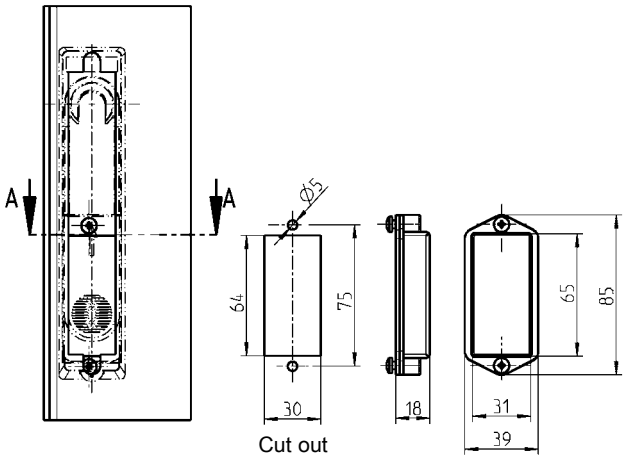
Swinghandle

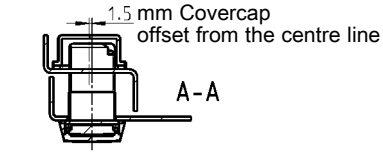
PROGRAM 2100

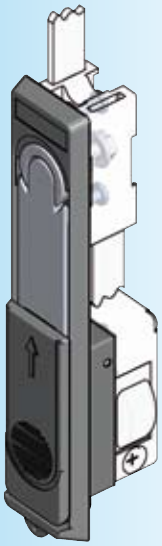


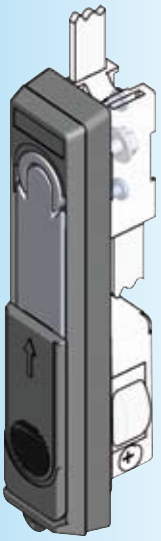


Frame cover
applicable outside the
gasketing









Swinghandle polyamide black, handle zinc die chrome pl., fixing material m.s. zinc pl., with seal	
Sliding dust cap polyamide black	2100-U1
Sliding dust cap zinc die black powder coated	2100-U2
Adapter frame polyamide black, adapter cast steel fixing material m.s. zinc pl.	
	2100-U59
Frame cover polyamide black, fixing material m.s. zinc pl. for RH and LH version, with seal	
	2100-U31

Note:
Swinghandle without locking set

* Logo recess: 27 x 8 x 0,5
Multicolour print possible

Further parts see page

– Locking set	3XA-120 3XA-140
– Locking set ELM	Chapter 11
– Rod control	3YA-520 3YA-540
– Bearing bush	3YB-140

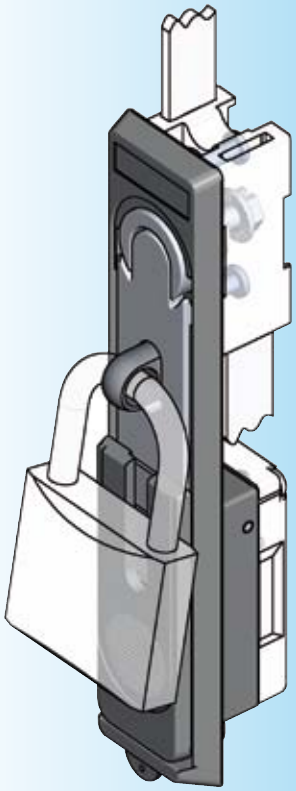
EMKA®

Beschlagteile

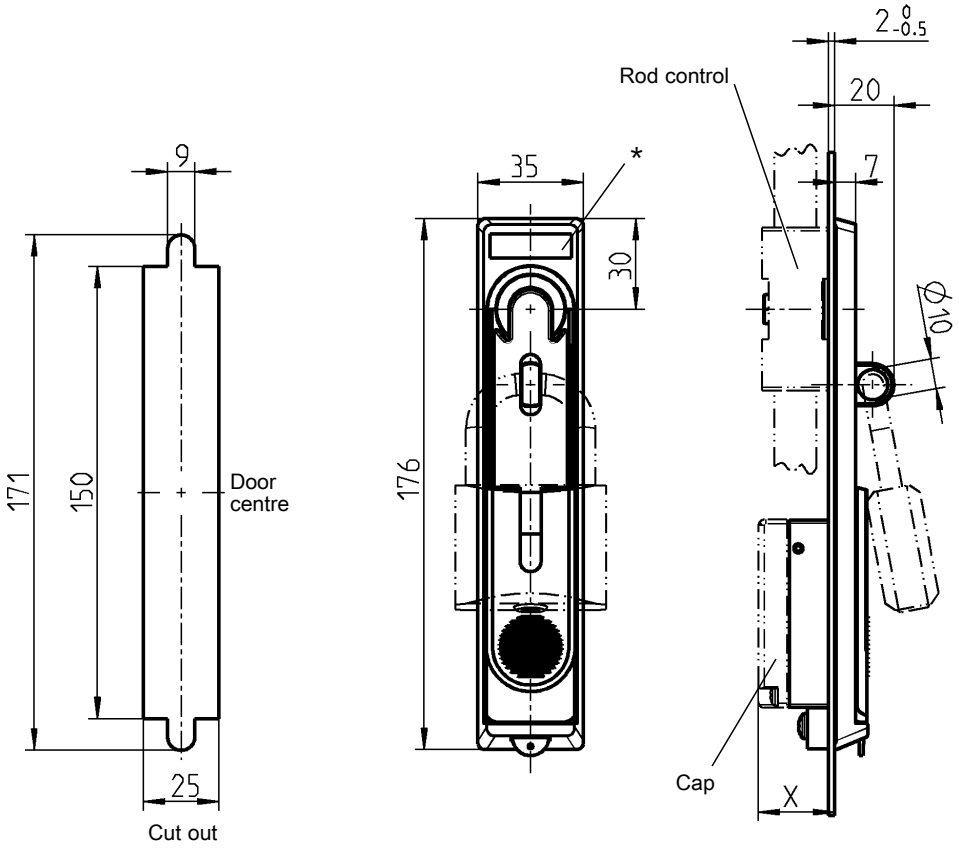
Swinghandle

PROGRAM 2100









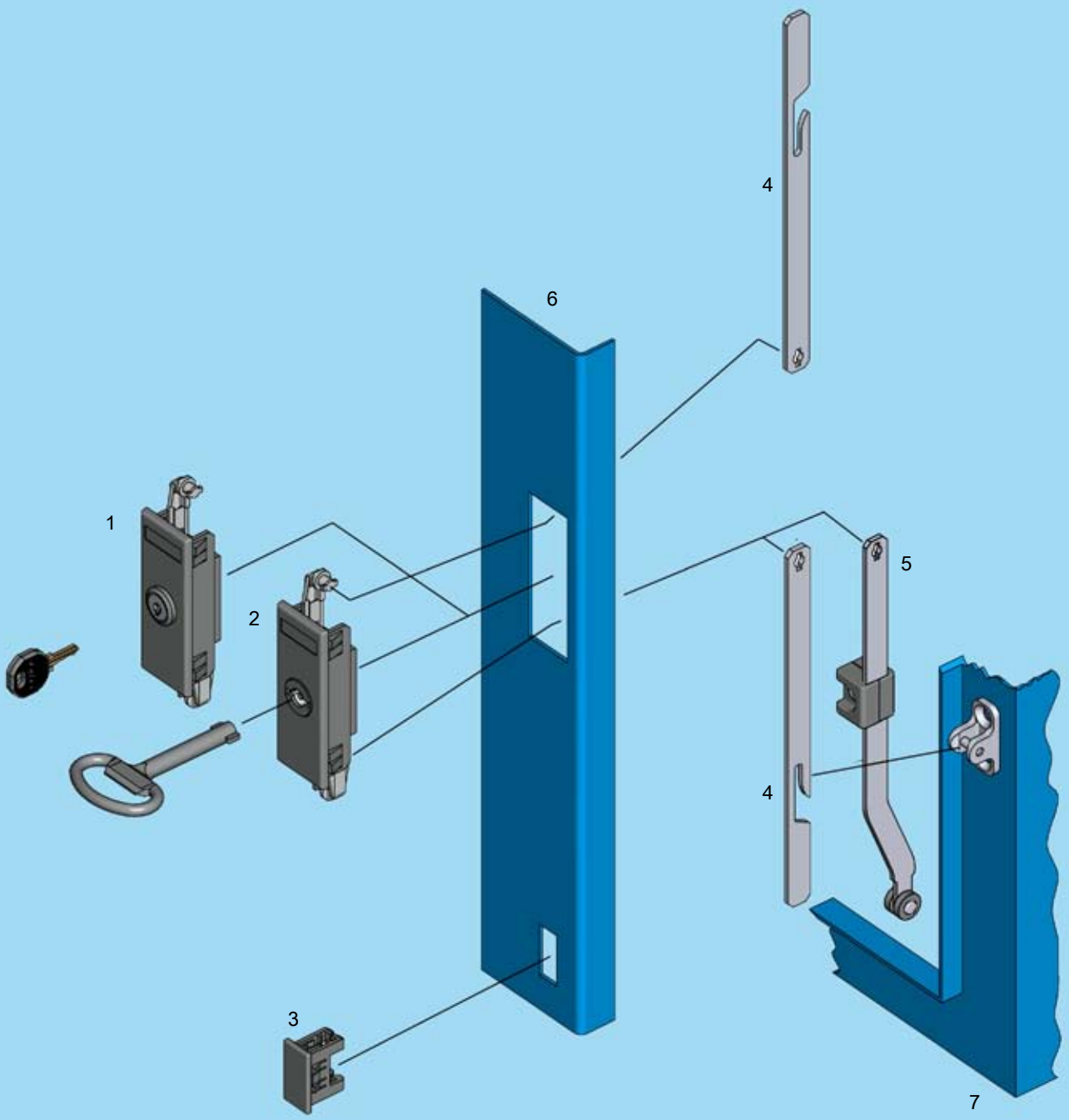
* Logo recess: 27 x 8 x 0,5
Multicolour print possible

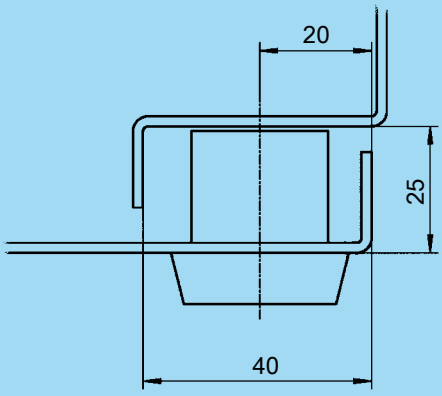
Further parts see page

– Locking set	3XA-120 3XA-140
– Locking set ELM	Chapter 11
– Rod control	3YA-520 3YA-540
– Bearing bush	3YB-140

Swinghandle polyamide GF black, handle zinc die dull chrome pl., sliding dust cap zinc die black powder coated, with padlock device, fixing material m.s. zinc pl., with seal	
	2100-U9
Ford version with:	
Locking set square 7	2100-U33

Escutcheon (clip in)
Program 2300









1	Escutcheon with round cylinder	3J-120
2	Escutcheon with insert	3J-120
3	Rod guide	
4	Rod (outside the gasketing)	
5	Rod (inside the gasketing)	
6	Door	
7	Cabinet/frame	

3J-100

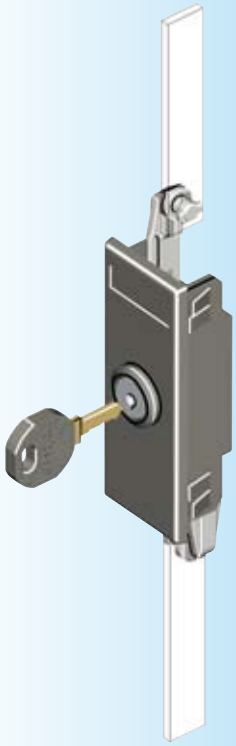
EMKA®

Beschlagteile

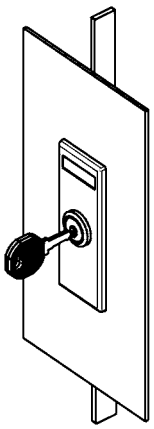
Escutcheon with lock (clip in)

PROGRAM 2300

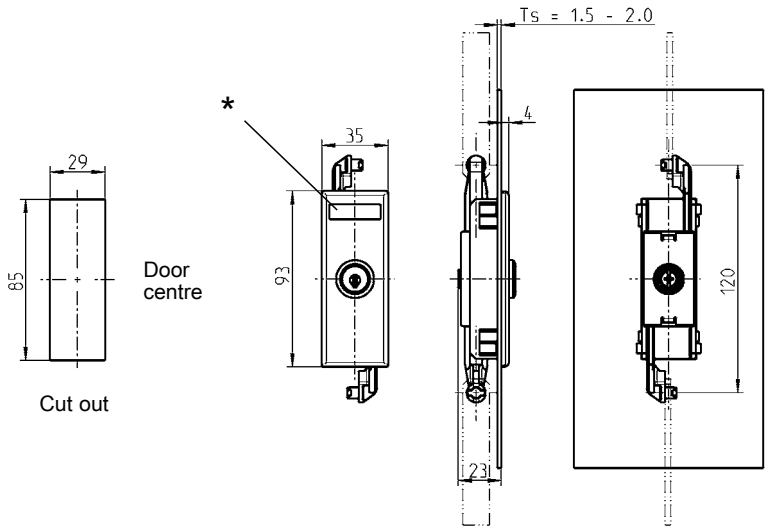




* Cavity:27 x 8 x 0,5
Multicolour print possible



Turn = Stroke
135° = 25 mm

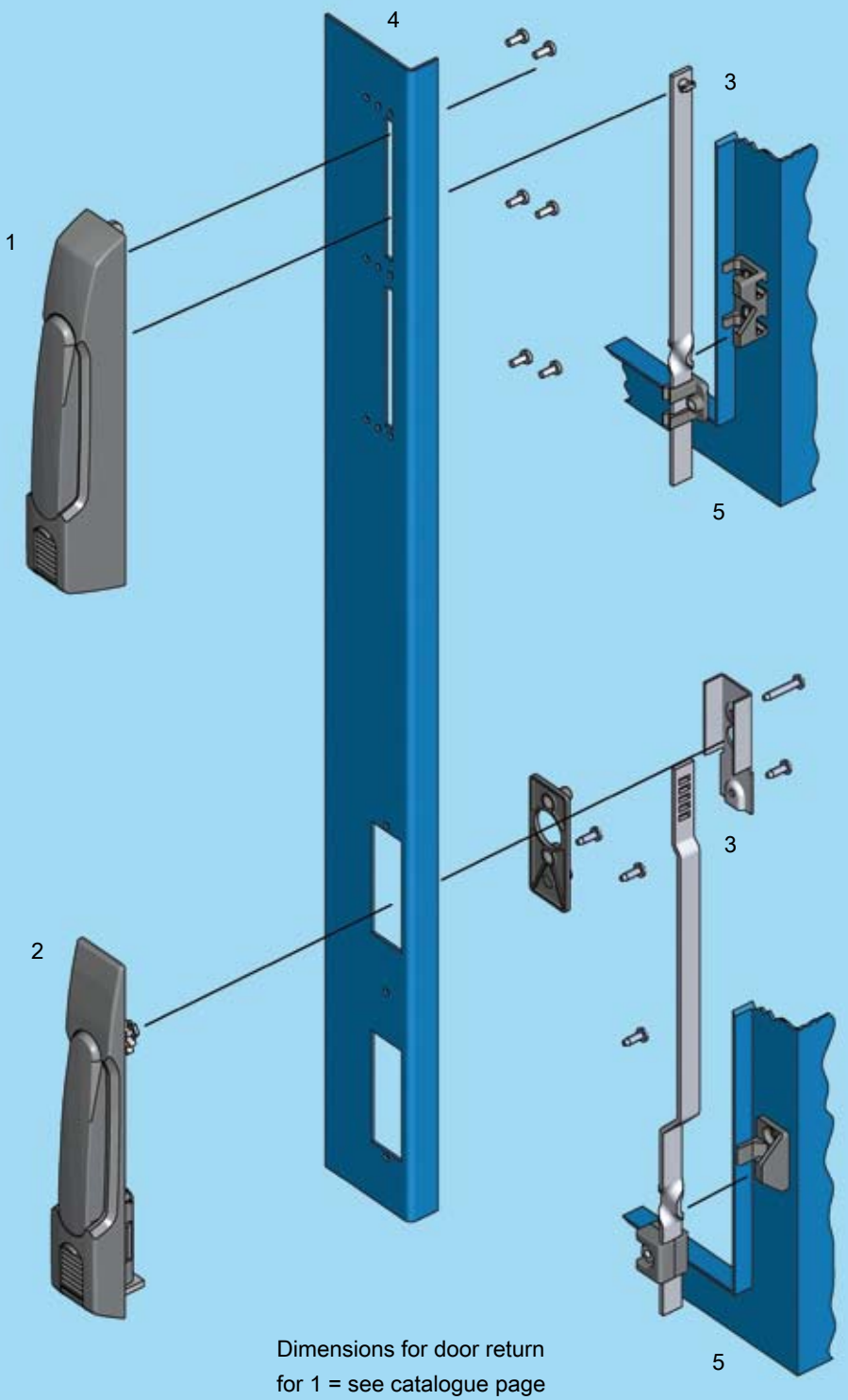




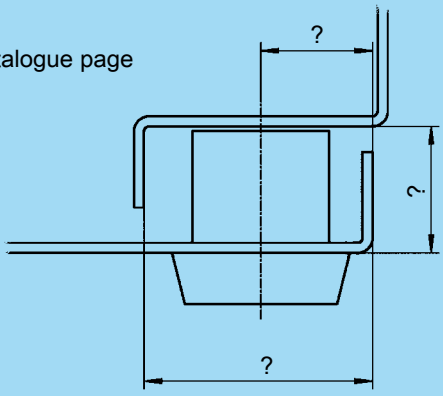
Escutcheon polyamide GF black, rods zinc die, round cylinder with stainless steel cap, fixing material m.s. zinc plated. Each round cylinder has one silver steel key with polyamide grip GF black.	
keyed different	2300-U15
keyed alike 2233X	2300-U14
Escutcheon polyamide GF black with mask for double bit, rods zinc die, insert zinc die chrome plated, fixing material m.s. zinc plated	
Double bit 3	2300-U2
Double bit 5	2300-U3
Escutcheon polyamide black, rods zinc die, fixing material m.s. zinc plated	
(for following inserts)	2300-U1
Insert zinc die chrome plated	
Square 6	2300-U5
Square 7	2300-U6
Square 8	2300-U7
Triangular 7	2300-U8
Triangular 8	2300-U9
Daimler Benz	2300-U10
Slot 2 x 4	2300-U11
Double bit 3	2300-U12
Double bit 5	2300-U13
Assembling	
	1000-990

Further parts see page
– Key 12B-120
– Spare key 12B-140
– Rod
outside 3ZA-620
inside 3ZB-120
3ZB-220

Swinghandle
Program 2400



Dimensions for door return
for 1 = see catalogue page
3ZA-720
for 2 = see catalogue page
3ZA-820



1 Swinghandle 3K-120
2 Swinghandle 3K-220
3 Rod
4 Door
5 Cabinet/frame

3K-100

EMKA®

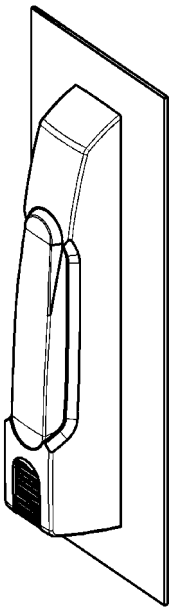
Beschlagteile

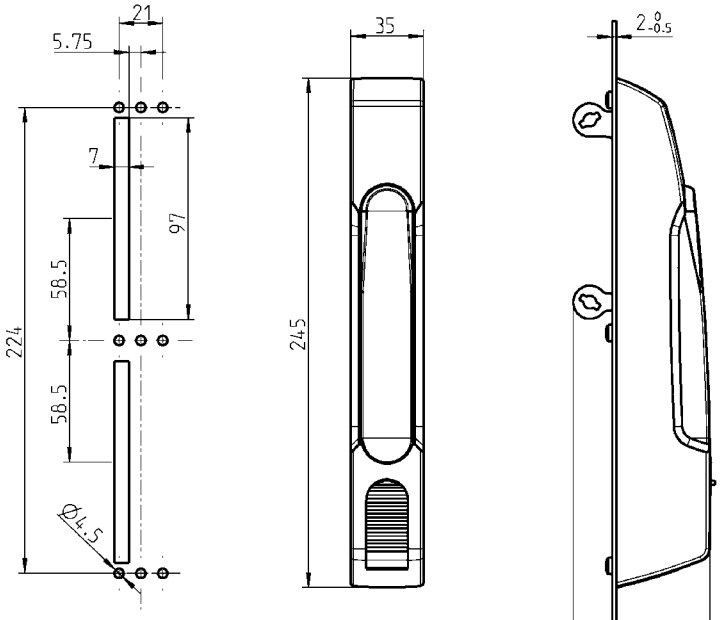
Swinghandle

PROGRAM 2400









Cut out
(RH version shown)

Turn = Stroke
90° = 16 mm

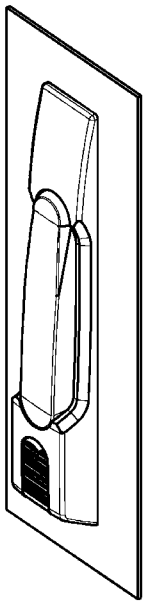
Multicolour print possible

Further parts see page
– Locking set 3XA-220
– Rod
outside 3ZA-720

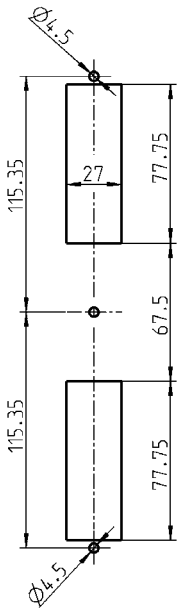
Swinghandle with pushbutton (2100-U56) polyamide GF black, lock zinc die, fixing material m.s. zinc plated, with seal	
RH	2400-U1
LH	2400-U2

Swinghandle

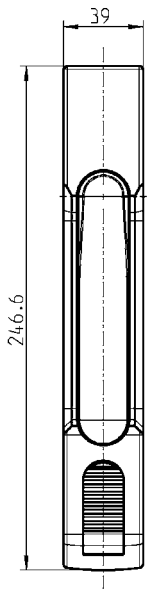
PROGRAM 2400

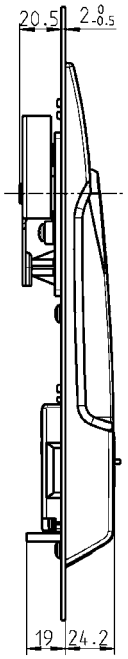






Cut out





Turn = Stroke
90° = 16 mm

Multicolour print possible

Further parts see page

– Locking set	3XA-120
without push button	3XA-140
with push button	3XA-240
– Locking set ELM	Chapter 11
– Rod	
outside	3ZA-820

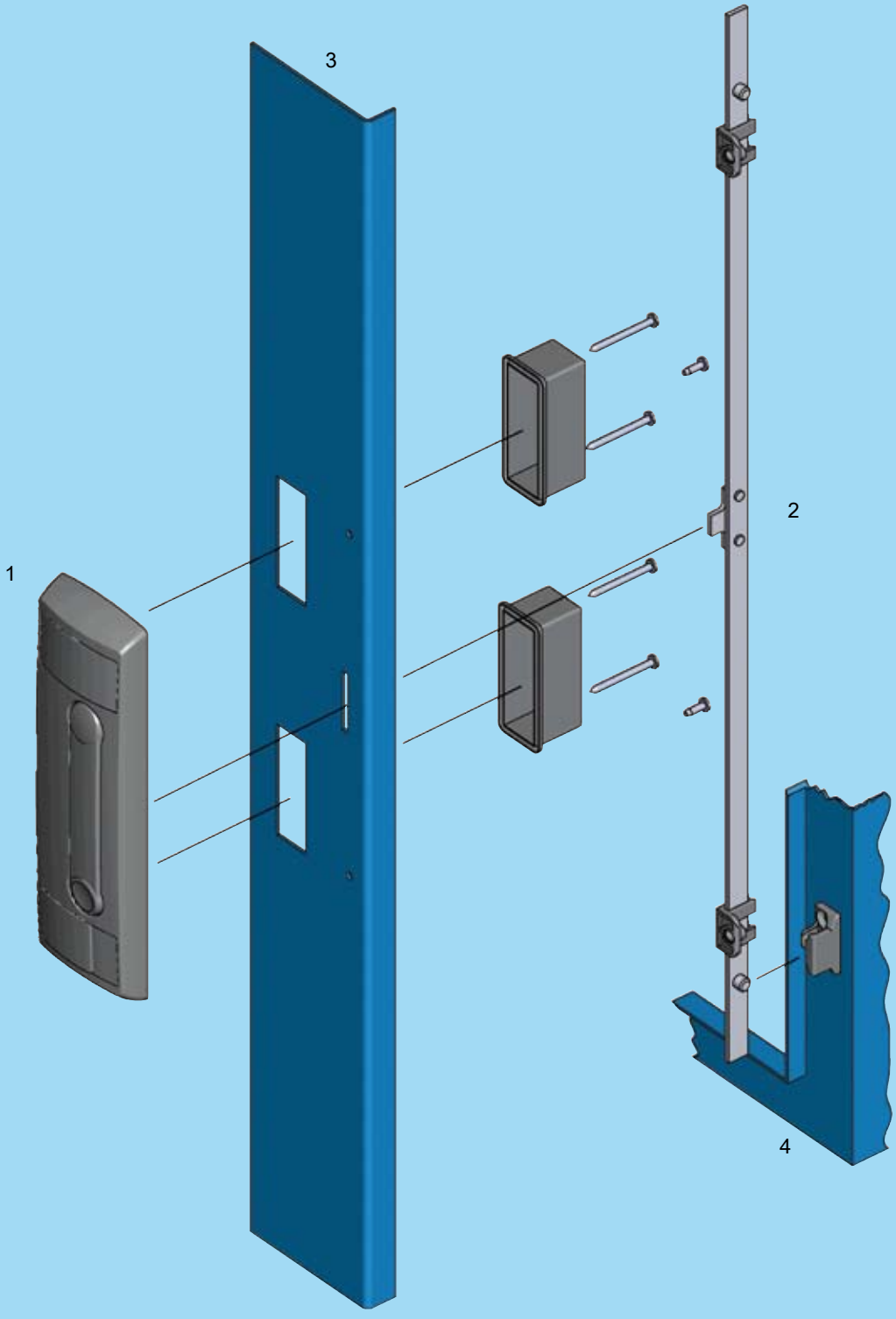
Swinghandle with pushbutton (2100-U56) polyamide GF black, lock zinc die, fixing material m.s. zinc plated, with seal	
with push button	2400-U3
without push button	2400-U4

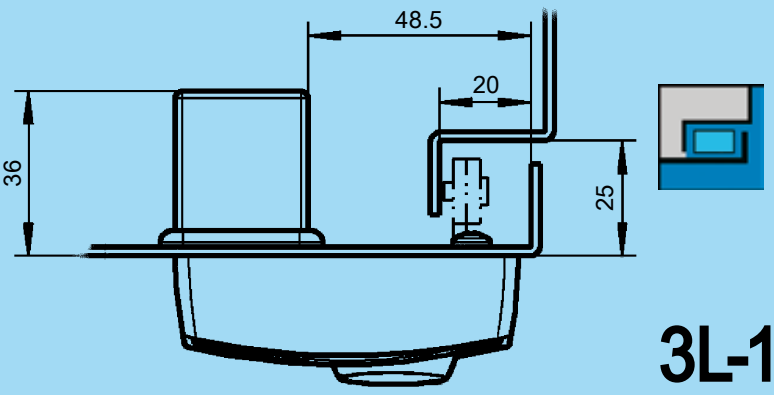
EMKA®

Beschlagteile

Notes:

Swinghandle Program 2600





1 Swinghandle 3L-120
2 Rod
3 Door
4 Cabinet/frame

EMKA®

Beschlagteile

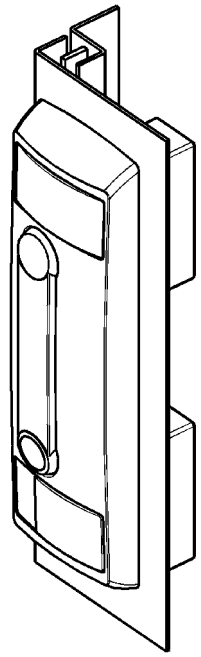
Swinghandle for 20/25 mm bending area

PROGRAM 2600

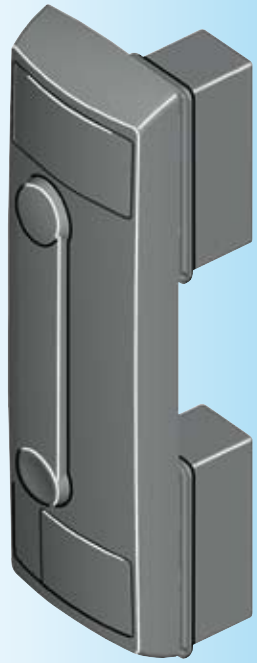


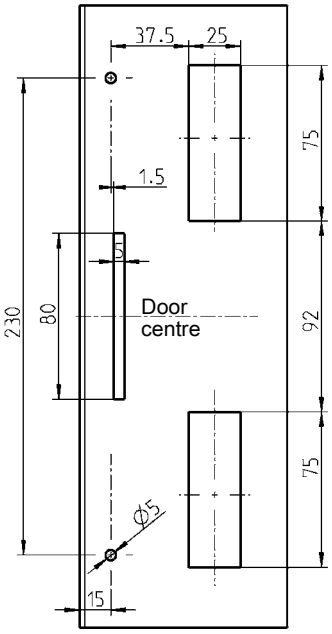




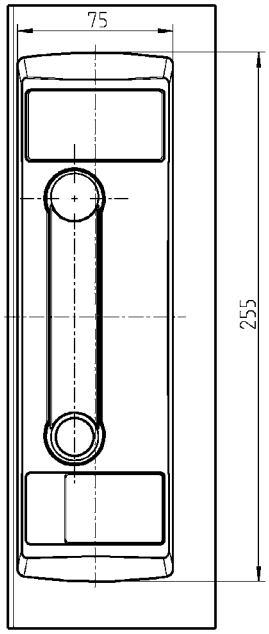


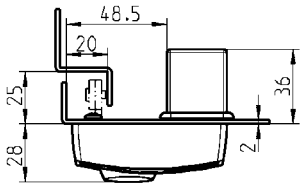
Turn = Stroke
135° = 23,5 mm





Cut out





Bending area

Locking system for small bending area

Dust protection for cylinder via integrated sliding cover

Logo plate exchangeable.

Easy changing of hinge side (LH - RH)
Logo-plate and sliding cover change places, handle will be removed from outside and changed

Application for very small bending areas

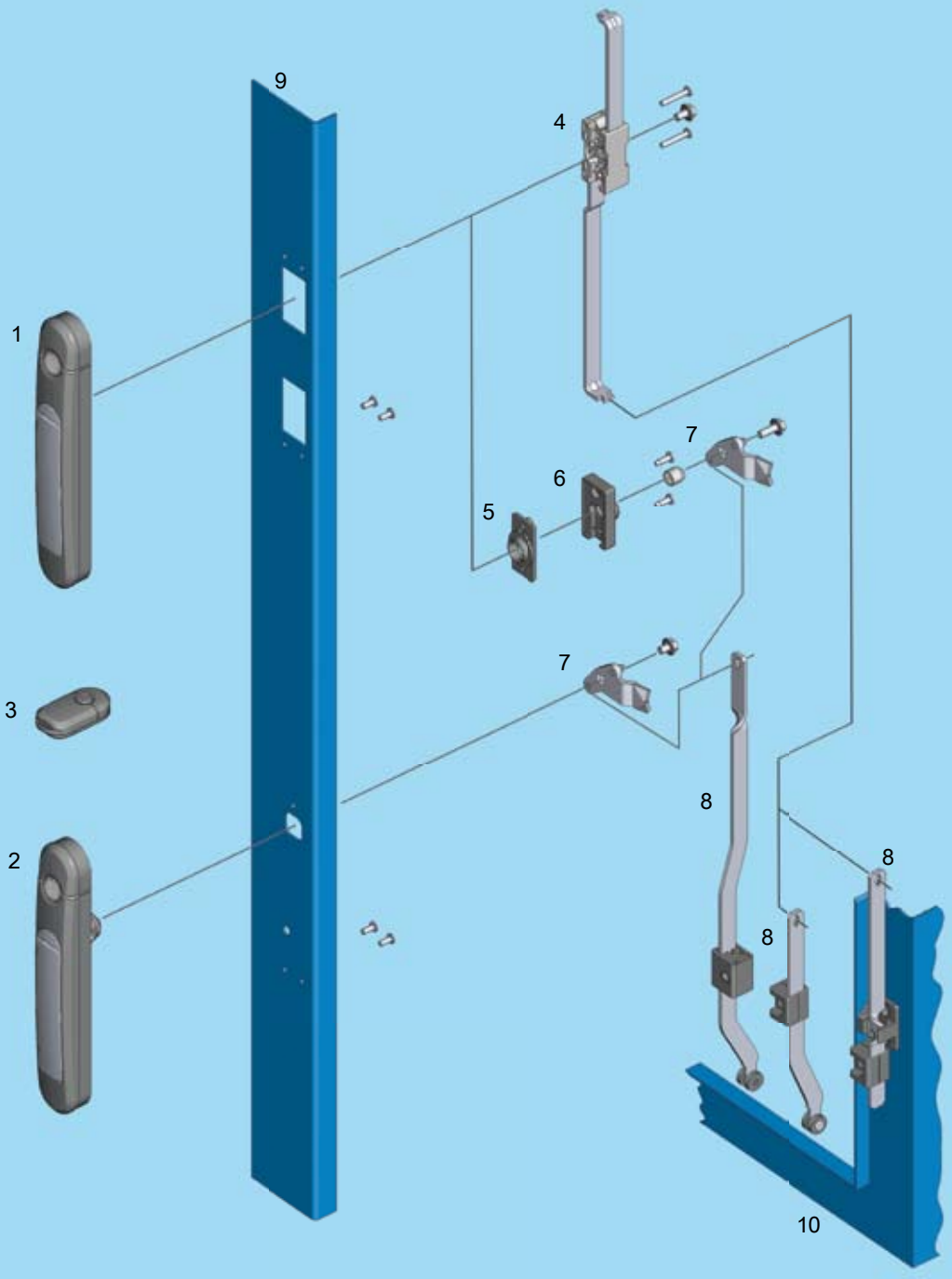
Further parts see page

– Locking set	3XA-120 3XA-140
– Rod	3ZA-920

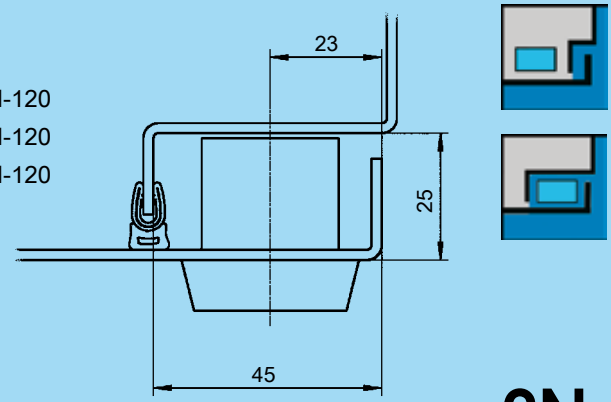
Swinghandle, handle, escutcheon, dust cap, logo plate polyamide black, shaft zinc die zinc plated, fixing material m.s. zinc plated, with seal

2600-U1

Swinghandle AGENT E
Program 3000



1	Swinghandle for rod control or bearing bush	3N-120
2	Swinghandle with quarter turn for cam	3N-120
3	TAG (micro transmitter)	3N-120
4	Rod control	
5	Adapter plate for bearing bush	
6	Bearing bush	
7	Cam	
8	Rod	
9	Door	
10	Cabinet/frame	

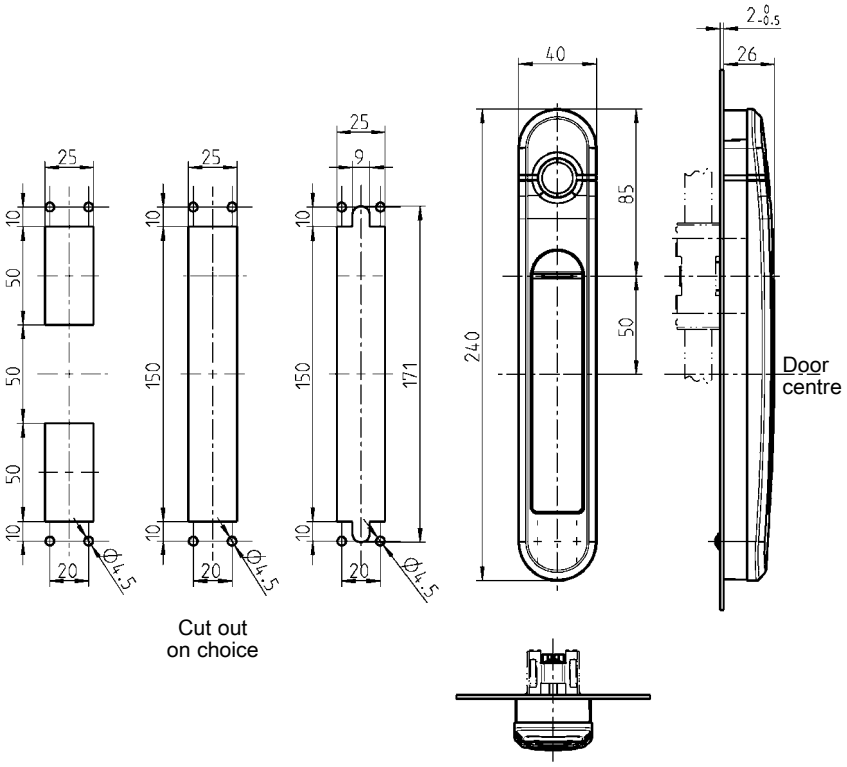


3N-100

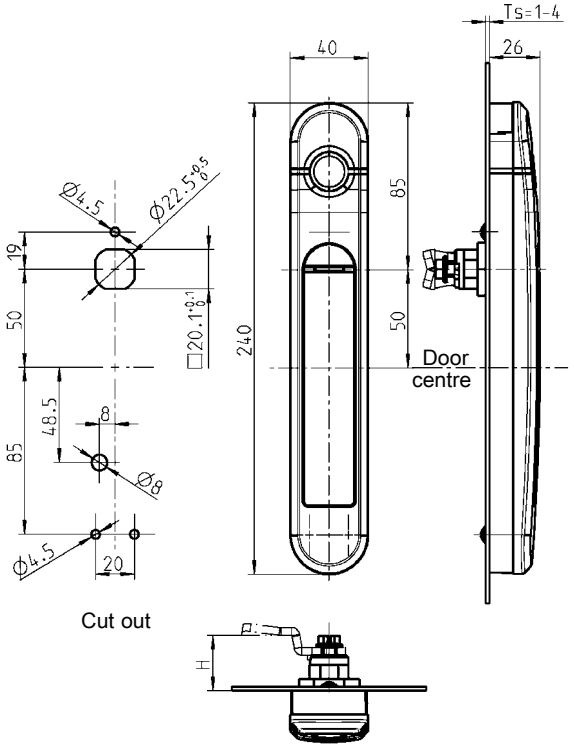
Swinghandle AGENT E with electromechanical release

PROGRAM 3000

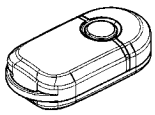
Swinghandle for rod control or bearing bush

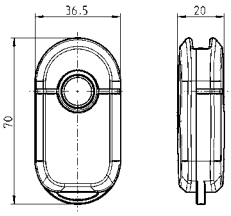


Swinghandle with quarter turn for cam



TAG
(Micro transmitter)



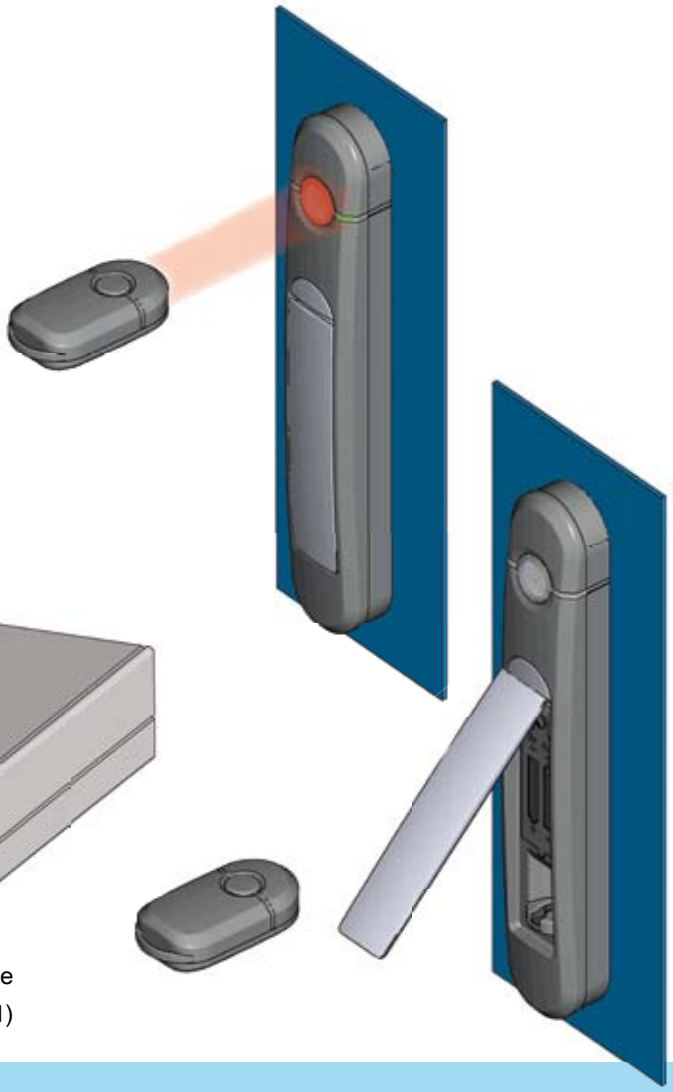


Access-Point extension module
(170 x 90 x 36)





Access-Point basic module
(190 x 150 x 41)



Basic
This version is a combination of electronic swing handles type AGENT E and micro transmitters (TAGs). Only authorized User TAGs will open a handle. LED´s in the TAG are switched on by pressing the pushbutton. The light beam must be directed onto the photocell in the handle. The light of the diodes is encoded; each TAG is unique and sends out an individual code. Access rights for User TAGs can be assigned via so called Master TAGs (with red pushbutton).

Professional
An enhanced level of comfort is offered by the version “Professional”. Via software and built in USB interface Master Key Plans and time profiles can be entered and internal event memory can be read out. Master TAGs can be used as “hardware dongles” here. Communication to a handle only works after releasing the USB port via Master TAG.

Superior
With the version “Superior” all activities can be managed remotely.
Configuration, readout and opening of swinghandles are via radio transmission.

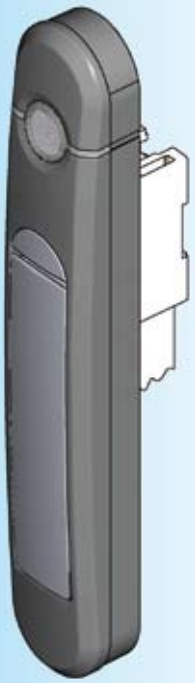
System overview

System Basic
– easy authorization of TAGs (micro transmitter) directly at the handle
– max. 32 User TAGs and up to 5 Master TAGs
– emergency power supply in case of power loss via USB port
– no software needed

System Professional (additional features to the System Basic)
– configurable via USB with freeware AGENT E Management Suite: create or change Master key plans and time profiles, read out event memory
– logging of the last 2,000 events: who, when, which handle
– Master TAG is used to prevent the USB port against unauthorized use

System Superior (additional features to the System Professional)
– handles can be configured, monitored and opened remotely
– interconnection to the handles is via radio transmission and special access point
– logging of the last 5,000 events: who, when, which handle







Swinghandle polyamide GF black, handle and shaft zinc die white aluminium powder coated, locking latch brass and POM black, light guide transparent poly carbonate, spring, fixing material m.s. zinc plated, gear motor, electronics, 2 batteries, instruction		
Version for countries of European Community, Norway and Switzerland	**for rod control or bearing bush**	**with quarter turn for cams**
System Basic	3000-U92	3000-U93
System Professional	3000-U92-01	3000-U93-01
System Superior	3000-U92-02	3000-U93-02
TAG (Micro transmitter) polyamide black, screw m.s. zinc plated, electronics, battery		
User TAG with black pushbutton		3000-U90
Master TAG with red pushbutton		3000-U91
Adapter-set for bearing bush, adapter plate polyamid black, adapter steel precision zinc plated, fixing material m.s. zinc plated		
for Ts 1.0 - 3.0		3000-U104-01
USB adapter cable		
USB standard-A to USB micro-B		3000-U102
Access-Point, version for all EU countries incl. Switzerland and Norway		
Access-Point basic module		3000-U99-01
Access-Point extension module		3000-U98-01

Note:
The system Superior may not be used in other countries than of Euopean Union, Switzerland and Norway.

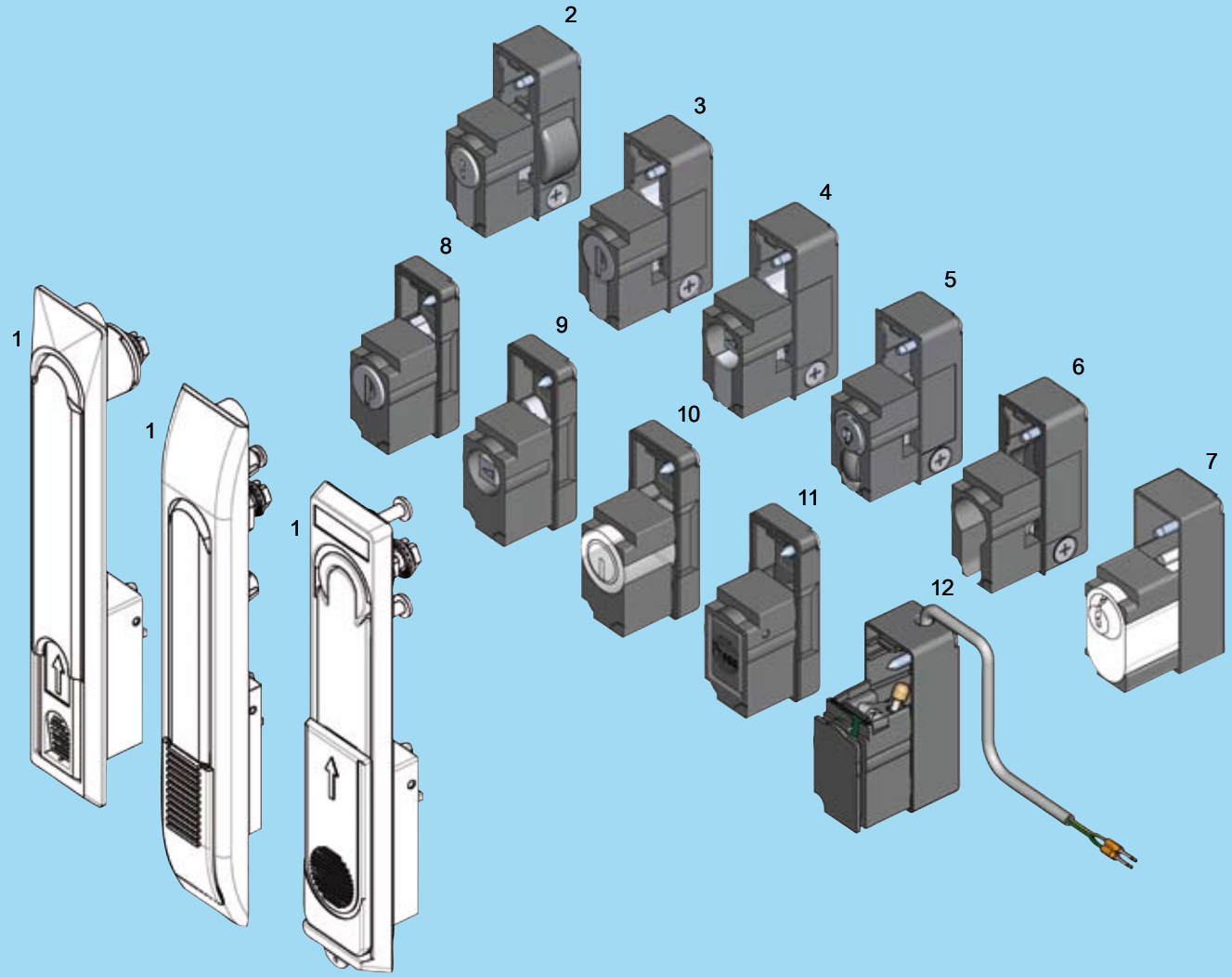
Further parts see page
– Rod control 3YA-120, 3YA-140
– Bearing bush 3YB-120
– Cam (GH=18) 1C-120, 1C-140, 1C-160

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Beschlagteile

Notes:

Locking sets
Program 1107, 1150, 1180, 1190 ,2100, 2400, 2600



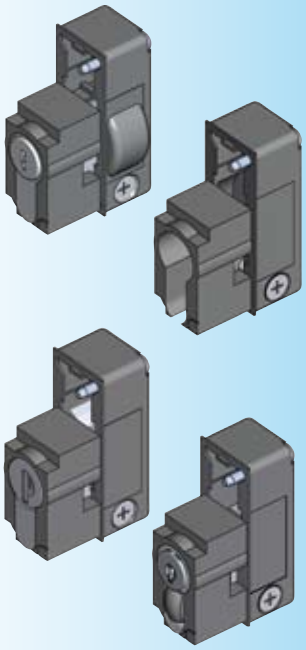
1 Swinghandle program 1107, 1150, 1180, 1190, 2100, 2400, 2600
2 Locking set with profile half cylinder according to DIN 18252
3 Locking set with profile half cylinder with round cylinder
4 Locking set with profile half cylinder with insert
5 Locking set with profile half cylinder with round cylinder and push button
6 Locking set for profile half cylinder according to DIN 18252 is provided by the customer
7 Locking set for ASSA-cylinder is provided by the customer
8 Locking set with round cylinder
9 Locking set with insert
10 Locking set for KABA-cylinder is provided by the customer
11 Locking set with push button
12 Locking set ELM see chapter 11

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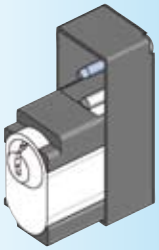
Beschlagteile

Locking set

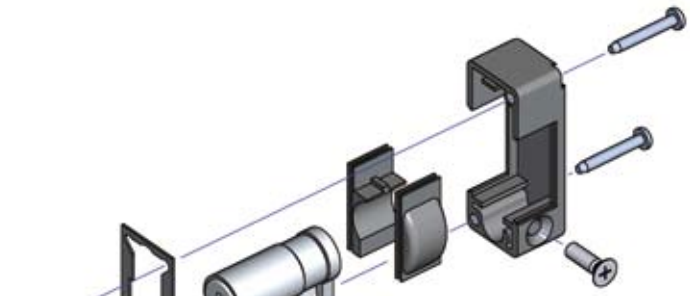
PROGRAM 1107, 1150, 1180, 1190, 2100, 2400, 2600

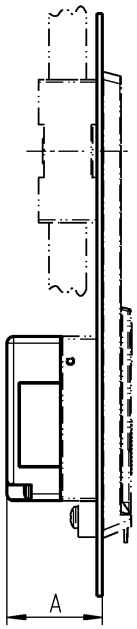


1109-U52 and 1109-U53.
In the unlocked position the handle operates by pressing the push button



2100-U6
for ASSA-cylinder. Attention! ASSA-cylinder and 2 fixing screws M5x8 are not included





PROGRAM	Dimension A
1150	42
1180	32
1190	29,5
2100	36
2400	23
2600	36

Locking set polyamide black with or without profile half cylinder or ASSA-cylinder, fixing material m.s. zinc pl., with seal			
Locking set profile half cylinder according to DIN 18252, brass nickel plated with 3 keys			
keyed different	1089-U5	keyed alike 110319 N	1089-U6
Profile half cylinder (from customer)			2100-U11
Locking set profile half cylinder with round cylinder zinc die with stainless steel cap and dust cap. Each cylinder has one silver steel key with polyamide GF grip black.			
keyed different	1109-U50	keyed EK333	1109-U51
Locking set profile half cylinder with push button, round cylinder zinc die chrome plated. Each cylinder has one silver steel key with polyamide GF grip black.			
keyed different	1109-U52	keyed alike 2233X	1109-U53
Locking set profile half cylinder with insert zinc die chrome plated			
Square 6	1109-U18	Double bit 3	1109-U34
Square 7	1109-U19	Double bit 5	1109-U35
Square 8	1109-U20	Hexagon female 10	1109-U27
Square 8 slotted	1109-U21	Square female 6	1109-U28
Triangular 6,5 CNOMO	1109-U22	Square female 8	1109-U29
Triangular 7	1109-U23	Daimler Benz	1109-U30
Triangular 8	1109-U24	Slot 1,2 x 3	1109-U31
Triangular 9	1109-U25	Slot 2 x 4	1109-U32
Triangular 10	1109-U26	Crown type	1109-U33
		Eastern Europe Ø 13	1109-U58
Locking set for ASSA-cylinder is provided by the customer (without seal)			2100-U6

Further parts see page
– Key 12B-120

Program 1107
– Swinghandle 3A-420

Program 1150
– Swinghandle 1151 3C-420
3C-440

Program 1180
– Swinghandle 3E-120
up to 3E-520

Program 1190
– Lifthandle 3F-120

Program 2100
– Swinghandle 3H-320
up to 3H-420

Program 2400
– Swinghandle 3K-220

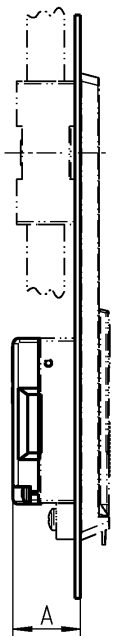
Program 2600
– Swinghandle 3L-120

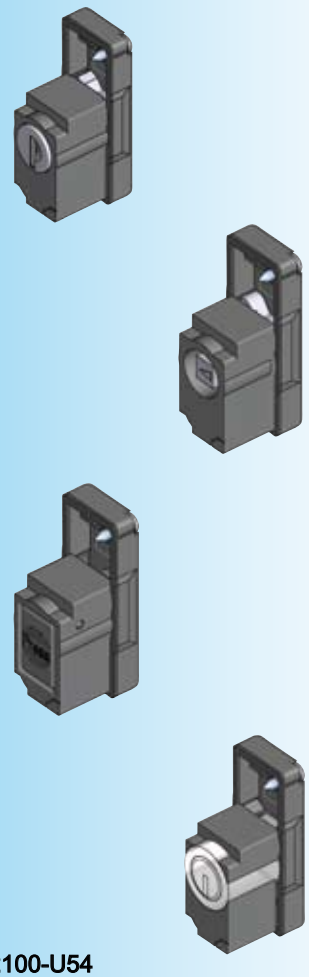
Locking set

PROGRAM 1107, 1150, 1180, 2100, 2400, 2600

All round cylinders and inserts are spring loaded

PROGRAM	Dimension A
1150	31,5
1180	25
2100	25
2400	20
2600	36





2100-U54
Prepared for KABA cylinder.
Attention! KABA-cylinder and 2 counter sunk screws M2,3x8 are not included!

Locking set polyamide black with round cylinder or insert, fixing material m.s. zinc plated, with seal			
Locking set round cylinder zinc die with stainless steel cap and dust cap. Each cylinder has one silver steel key with polyamide GF grip black.			
keyed EK333	2100-U48	keyed different	2100-U49
Assembling set for KABA cylinder type 1036 (cylinder from customer)			2100-U54
Locking set insert zinc die chrome plated			
Square 6	2100-U32	Hexagon female 10	2100-U41
Square 7	2100-U33	Square female 6	2100-U42
Square 8	2100-U34	Square female 8	2100-U43
Square 8 slotted	2100-U35	Daimler Benz	2100-U44
Triangular 6,5 CNOMO	2100-U36	FIAT version	2100-U53
Triangular 7	2100-U37	Slot 1,2 x 3	2100-U45
Triangular 8	2100-U38	Slot 2 x 4	2100-U46
Triangular 9	2100-U39	Crown type	2100-U47
Triangular 10	2100-U40	Eastern Europe Ø 13	2100-U58
Double bit 3	2100-U50	Push button	2100-U57
Double bit 5	2100-U51		

Further parts see page
– Key 12B-120

Program 1107
– Swinghandle 3A-420

Program 1150
– Swinghandle 1151 3C-420
3C-440

Program 1180
– Swinghandle 1185 3E-520

Program 2100
– Swinghandle 3H-320
up to 3H-420

Program 2400
– Swinghandle 3K-220

Program 2600
– Swinghandle 3L-120

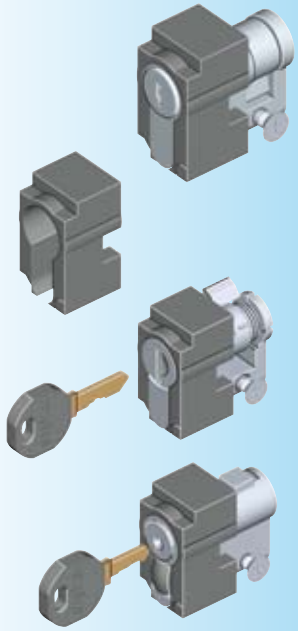
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Beschlagteile

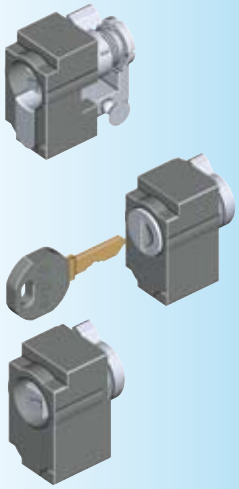
Locking set

PROGRAM 2400

All round cylinders and inserts are spring loaded



1109-B25 and 1109-B26.
In the unlocked position the handle operates by pressing the push button



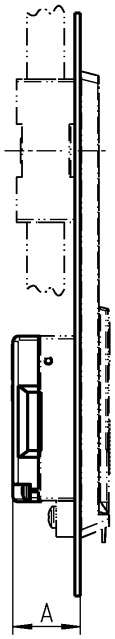
Locking set polyamide GF black, fixing material m.s. zinc plated			
Profile half cylinder DIN 18 252 brass nickel pl. with 3 keys		**Round cylinder zinc die with stainless steel cap and dust cap. Each cylinder has one silver steel key with polyamide GF grip black.**	
keyed different	2100-B9	keyed EK 333	2100-B30
keyed 110319	2100-B11	keyed different	2100-B31
(Master key system on request)		**Inserts: Chrome plated zinc alloy**	
Profile half cylinder (from the customer)		Square 6	2100-B14
from the customer	2100-06-aa	Square 7	2100-B15
Profile half cylinder with round cylinder zinc die with stainless steel cap and dust cap. Each cylinder has one silver steel key with polyamide GF grip black.		Square 8	2100-B16
		Square 8 slotted	2100-B17
keyed different	1109-B24	Triangular 6,5 CNOMO	2100-B18
keyed EK 333	1109-B16	Triangular 7	2100-B19
Profile half cylinder with push button, round cylinder zinc die chrome plated. Each cylinder has one silver steel key with polyamide GF grip black.		Triangular 8	2100-B20
		Triangular 9	2100-B21
keyed different	1109-B25	Triangular 10	2100-B22
keyed alike 2233X	1109-B26	Double bit 3	2100-B32
Inserts zinc die chrome plated		Double bit 5	2100-B33
Square 6	1109-B17	Hexagon female 10	2100-B23
Square 7	1109-B5	Square female 6	2100-B24
Square 8	1109-B6	Square female 8	2100-B25
Square 8 slotted	1109-B18	Daimler Benz	2100-B26
Triangular 6,5 CNOMO	1109-B7	FIAT version	2100-B34
Triangular 7	1109-B8	Slot 1,2 x 3	2100-B27
Triangular 8	1109-B9	Slot 2 x 4	2100-B28
Triangular 9	1109-B19	Crown type	2100-B29
Triangular 10	1109-B20	Eastern Europe Ø 13	2100-B36
Double bit 3	1109-B14	Push button	2100-U56
Double bit 5	1109-B15		
Hexagon female 10	1109-B10		
Square female 6	1109-B21		
Square female 8	1109-B22		
Daimler Benz	1109-B11		
Slot 1,2 x 3	1109-B12		
Slot 2 x 4	1109-B4		
Crown type	1109-B13		
Eastern Europe Ø 13	1109-B23		

Further parts see page
– Key 12B-120
Program 2400
– Swinghandle 3K-120

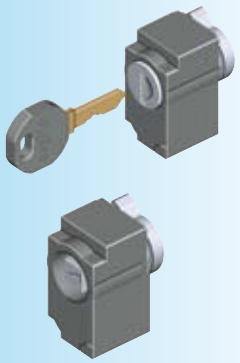
Locking set

PROGRAM 1180, 1190, 2400

All round cylinders and inserts are spring loaded



PROGRAM	Dimension A
1180	21,5
1190	29,5
2400	20



Locking set polyamide GF black, fixing material m.s. zinc plated	
Round cylinder zinc die with stainless steel cap and dust cap. Each cylinder has one silver steel key with polyamide GF grip black.	
keyed EK 333	2100-B30
keyed different	2100-B31
Inserts: Zinc die chrome plated	
Square 6	2100-B14
Square 7	2100-B15
Square 8	2100-B16
Square 8 slotted	2100-B17
Triangular 6,5 CNOMO	2100-B18
Triangular 7	2100-B19
Triangular 8	2100-B20
Triangular 9	2100-B21
Triangular 10	2100-B22
Double bit 3	2100-B32
Double bit 5	2100-B33
Hexagon female 10	2100-B23
Square female 6	2100-B24
Square female 8	2100-B25
Daimler Benz	2100-B26
FIAT version	2100-B34
Slot 1,2 x 3	2100-B27
Slot 2 x 4	2100-B28
Crown type	2100-B29
Eastern Europe Ø 13	2100-B36
Push button	2100-U56

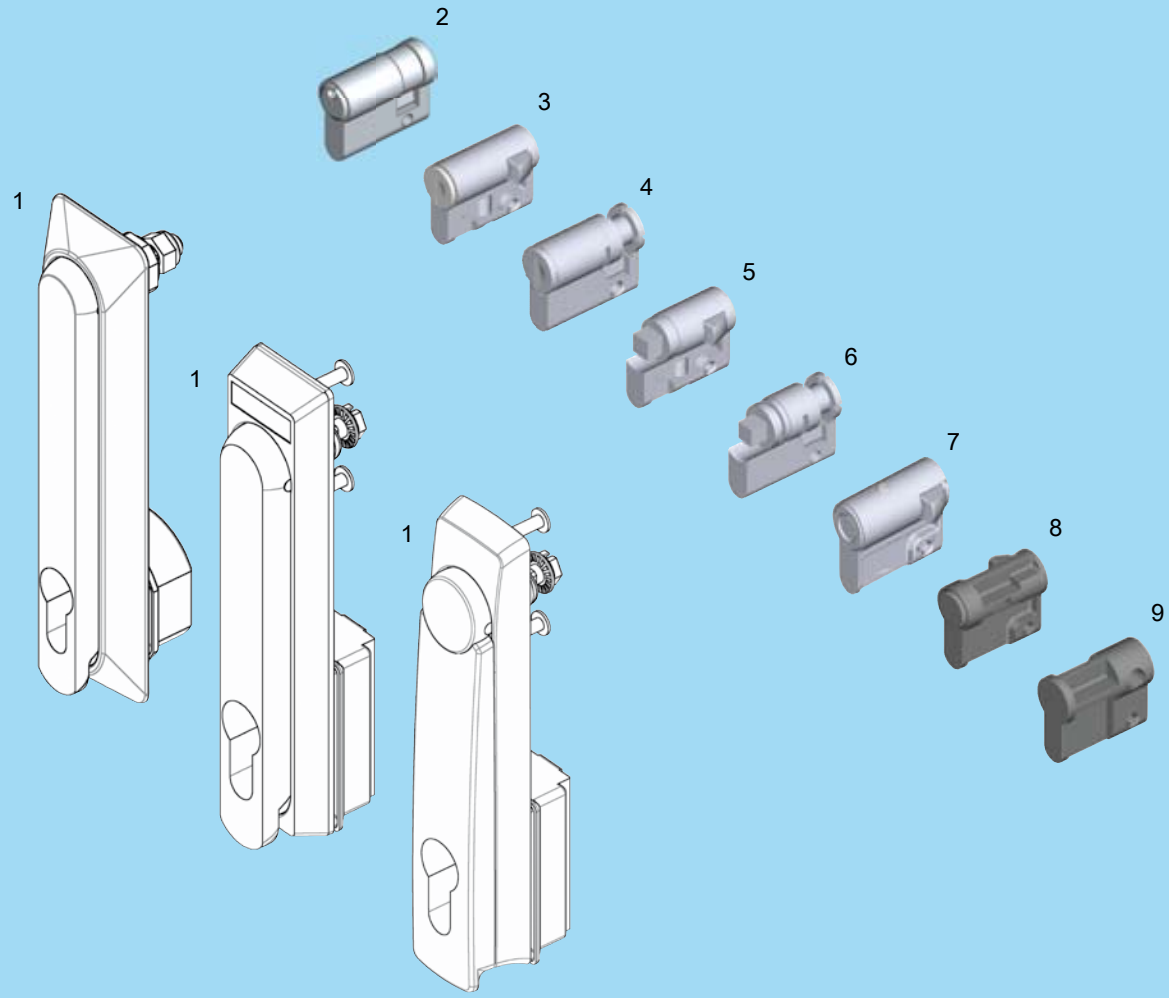
Further parts see page
– Key 12B-120
Program 1180
– Swinghandle 1180 up to 3E-120 3E-320
Program 1190
– Swinghandle 3F-120
Program 2400
– Swinghandle 3K-220

EMKA®

Beschlagteile

Notes:

Locking set
Profile half cylinder
Program 1107, 1125, 1150, 1225, 1190

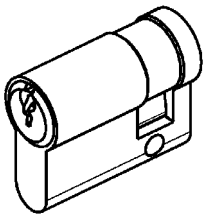


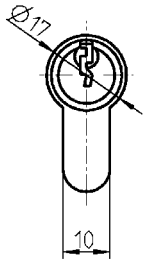
1 Swinghandle Program 1107, 1125, 1150, 1225, 1190
2 Profile half cylinder DIN 18252
3 Profile half cylinder with spring loaded round cylinder
4 Profile half cylinder with round cylinder
5 Profile half cylinder with spring loaded insert
6 Profile half cylinder with insert
7 Profile half cylinder with spring loaded radial pin-push cylinder
8 Profile half cylinder with push button
9 Blind plug

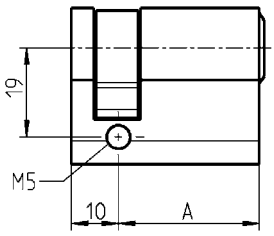
Profile half cylinder

PROGRAM 1107, 1125, 1150, 1225

Profile half cylinder according to DIN 18252 (EN 1303)

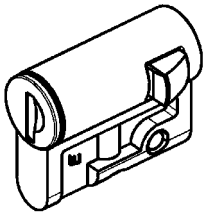


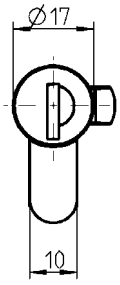


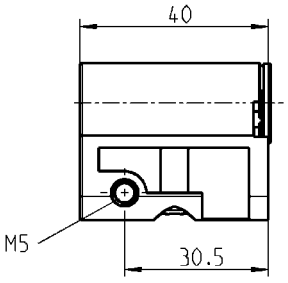


Profile half cylinder according to DIN 18 252 brass nickel plated with 3 keys Cam can be turned every 45°		
keyed different	A = 30	1089-U1
keyed 110319 N	A = 30	1089-U2
(Master key system on request)		

EMKA profile half cylinder

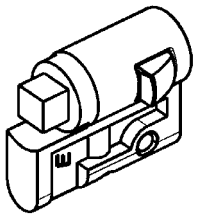


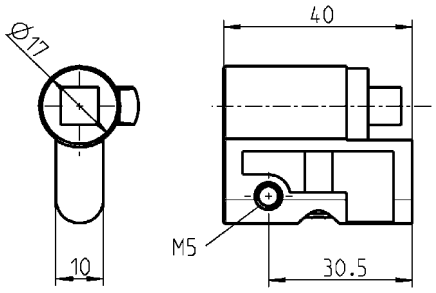




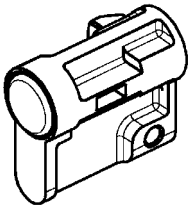
EMKA locking system with round cylinder zinc die chrome pl., with stainless steel cap and shutter with one silver steel key with polyamide grip, black key removable only in locked position, spring loaded	
keyed different	1109-U1-N
keyed EK 333	1109-U2-N
EMKA profile half cylinder with insert zinc die chrome plated, spring loaded	
Square 6	1109-U4-N
Square 7	1109-U5-N
Square 8	1109-U6-N
Square 8 slotted	1109-U7-N
Triangular 6,5 CNOMO	1109-U17-N
Triangular 7	1109-U8-N
Triangular 8	1109-U9-N
Double bit 3	1109-U10-N
Double bit 5	1109-U11-N
Hexagon female 8	1109-U12-N
Hexagon female 10	1109-U13-N
Square female 8	1109-U55-N
Slot 2 x 4	1109-U14-N
Daimler Benz	1109-U15-N
Eastern Europe Ø 13	1109-U54-N

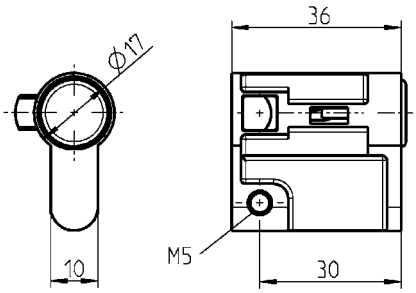
EMKA profile half cylinder with insert



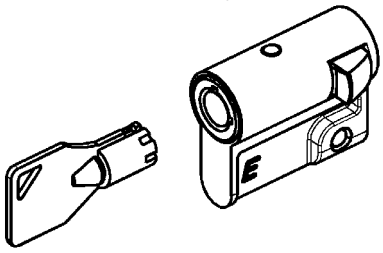


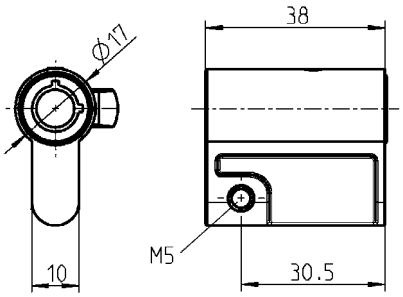
Push button-profile half cylinder



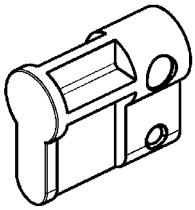


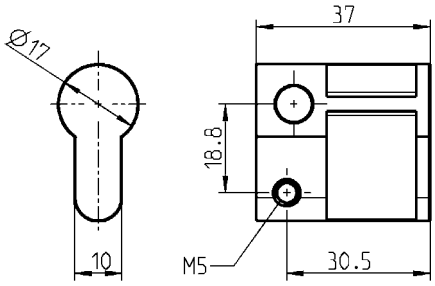
Radial pin-push half cylinder

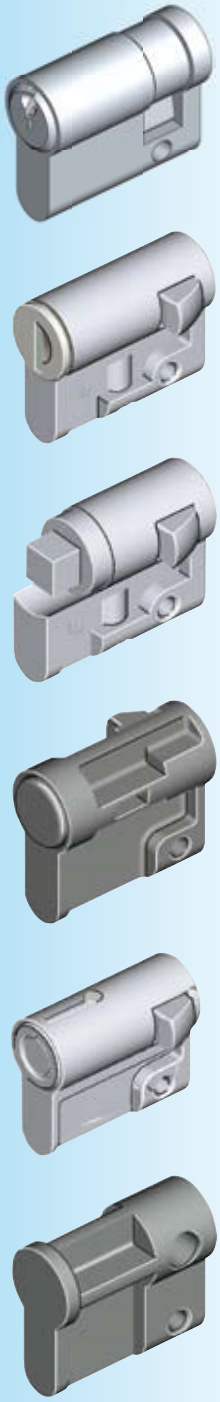




Blind plug







Push button-profile half cylinder	
Polyamide black, only in combination with swinghandle program 1125 and 1225	1109-U59
Radial pin-push cylinder zinc die chrome plated, locking cam is of slam type, spring loaded key is removeable in locked position, only	
keyed 20001	1109-U60
keyed different	1109-U61
Spare key 20001	1108-U52
Spare key keyed different	1108-U52-V
Blind plug polyamide black, spring loaded ball m.s. blacked	
with spring loaded ball	1109-U3
without spring loaded ball	1109-09-AA

Further parts see page
– Key 12B-120
– Spare key 12B-140

Program 1107
– Swinghandle 3A-120 up to 3A-320

Program 1125
– Swinghandle 3B-220, 3B-420

Program 1150
– Swinghandle 1153 3C-320
Swinghandle 1154 3C-220, 3C-260

Program 1225
– Swinghandle 3G-220

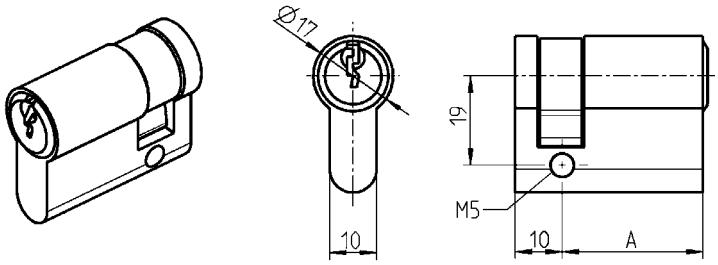
EMKA®

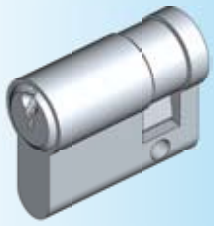
Beschlagteile

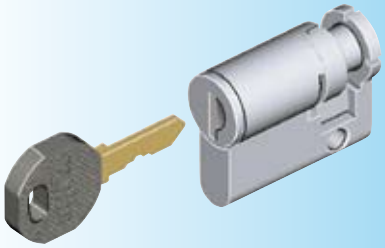
Profile half cylinder

PROGRAM 1107, 1125, 1225

Profile half cylinder according to DIN 18 252 (EN 1303)

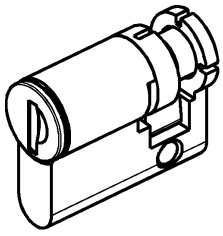




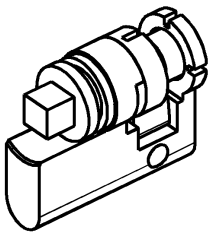


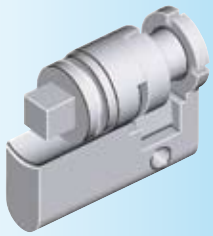
Profile half cylinder according to DIN 18 252 brass nickel pl. with 3 keys		
keyed different	A = 30	1089-U1
keyed 110319 N	A = 30	1089-U2
(Master key system on request)		

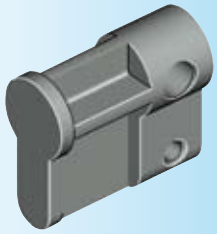
EMKA profile cylinder with round cylinder 360° turn



EMKA profile half cylinder with insert 360° turn

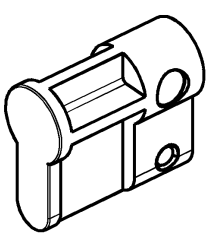


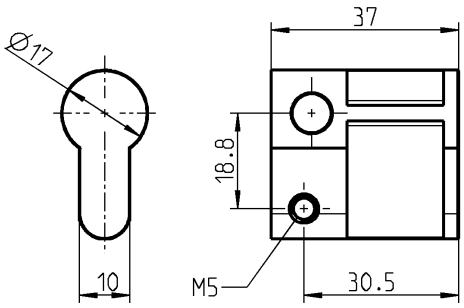




EMKA profile half cylinder with round cylinder zinc die with stainless steel cap and shutter with one key silver steel with grip polyamide GF black, turn 360°.	
keyed different or keyed EK 333	on request
EMKA profile half cylinder with insert zinc die chrome pl., rotates 360°.	
Inserts, e.g. square, triangular, double bit, slotted and more	on request

Blind plug





Blind plug	
polyamide black	1109-09-AA

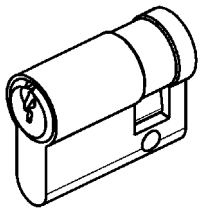
Note:
For the swinghandles 1107-U22 (3A-360) and 1225-U60 (3G-320) only the profile half cylinders 1089-U1 or 1089-U2 can be used

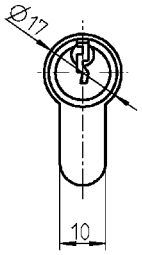
Further parts see page
– Key 12B-120
– Spare key 12B-140
Program 1107
– Swinghandle 3A-360
Program 1125
– Swinghandle 3B-320
Program 1225
– Swinghandle 3G-320

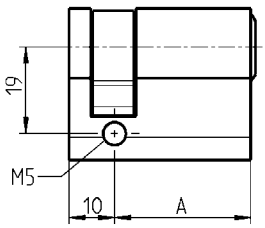
Profile half cylinder

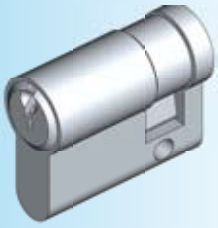
PROGRAM 1150, 1190

Profile cylinder according to DIN 18252 (EN 1303)



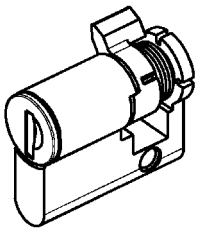


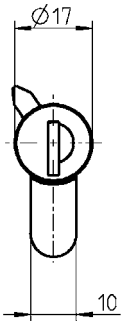


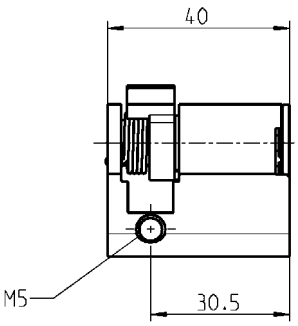


Profile half cylinder according to DIN 18 252 brass nickel plated with 3 keys Cam can be turned every 45°		
keyed different	A = 30	1089-U1
keyed 110319 N	A = 30	1089-U2

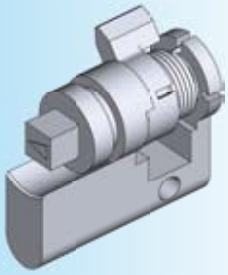
EMKA profile half cylinder











EMKA profile half cylinder with round cylinder zinc die chrome pl., with stainless steel cap and dust cap removable only in locked position, spring loaded. Each round cylinder has one silver steel key with polyamide grip GF black.	
keyed different	1109-U50-01
keyed EK 333	1109-U51-01
EMKA profile half cylinder with insert zinc die chrome plated, spring loaded.	
Square 6	1109-U18-01
Square 7	1109-U19-01
Square 8	1109-U20-01
Square 8 slotted	1109-U21-01
Triangular 6,5 CNOMO	1109-U22-01
Triangular 7	1109-U23-01
Triangular 8	1109-U24-01
Triangular 9	1109-U25-01
Triangular 10	1109-U26-01
Double bit 3	1109-U34-01
Double bit 5	1109-U35-01
Hexagon female 10	1109-U27-01
Square female 6	1109-U28-01
Square female 8	1109-U29-01
Daimler Benz	1109-U30-01
Slot 1,2 x 3	1109-U31-01
Slot 2 x 4	1109-U32-01
Crown type	1109-U33-01
Eastern Europe Ø 13	1109-U58-01

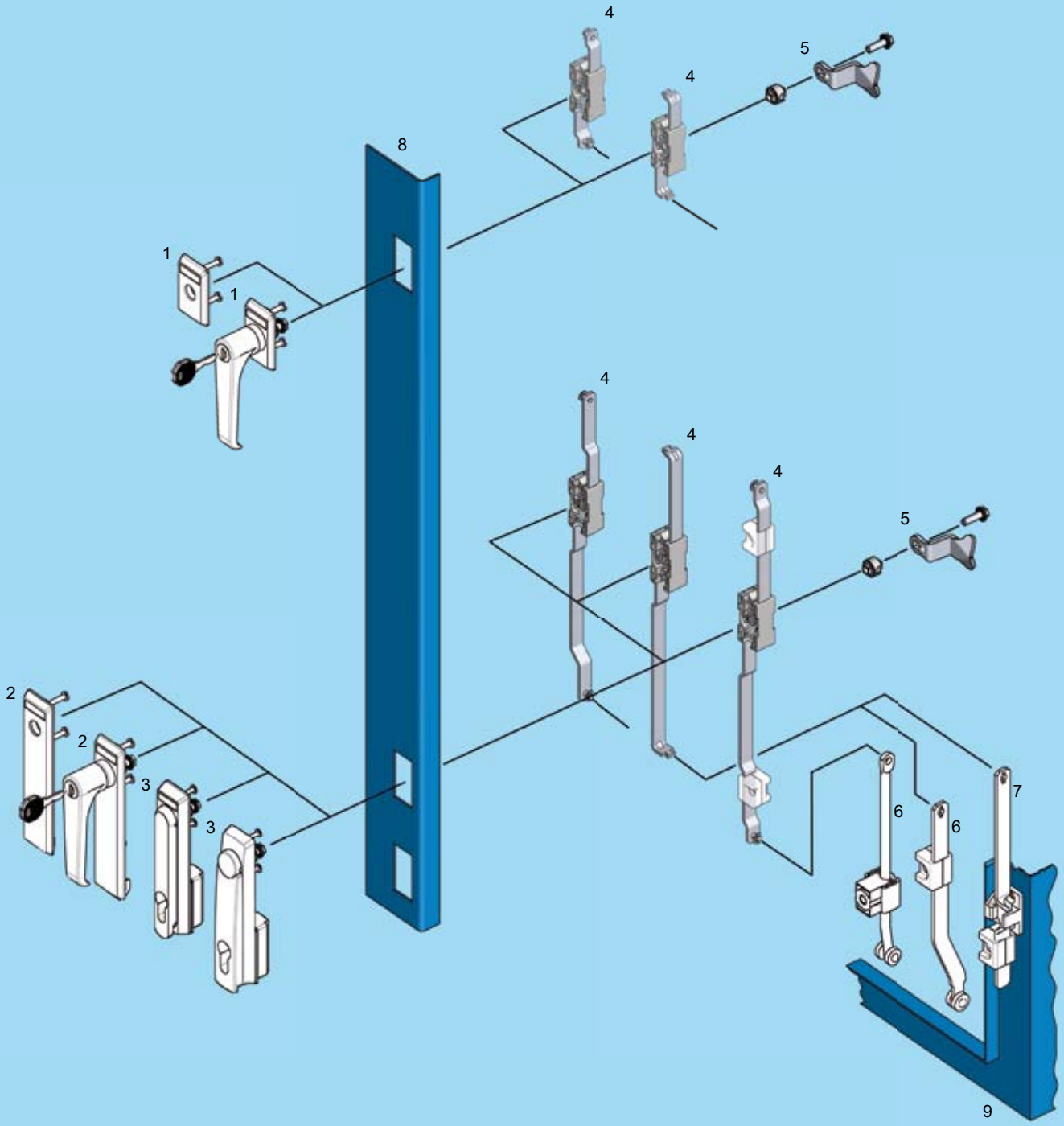
Further parts see page
– Key 12B-120
– Spare key 12B-140
Program 1150
– Swinghandle 1154 3C-280
Program 1190
– Swinghandle 3F-430

EMKA®

Beschlagteile

Notes:

Rod control
Program 1125, 1150, 1225, 2100, 3000



1	Escutcheon short	**Program 1125, 1225**
2	Escutcheon long	**Program 1125, 1225, 2100**
3	Swinghandle	**Program 1125, 1150, 1225, 2100, 3000**
4	Rod control	3YA-120 to 3YA-540
5	Cam	3YA-820
6	Rod (inside the gasketing)	
7	Rod (outside the gasketing)	
8	Door	
9	Cabinet/frame	





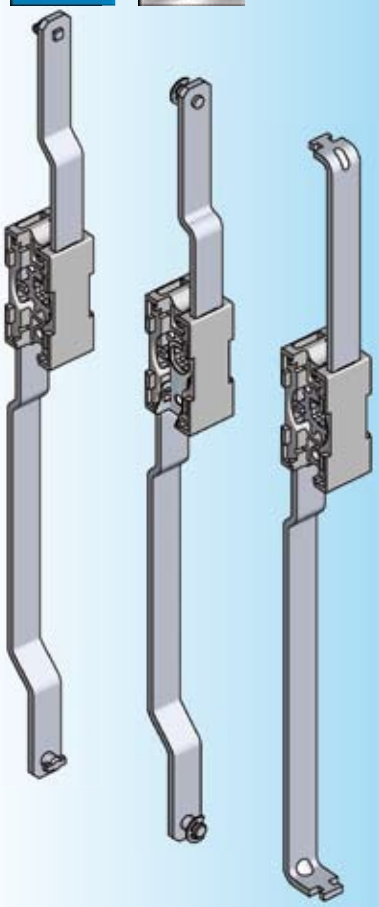
EMKA®

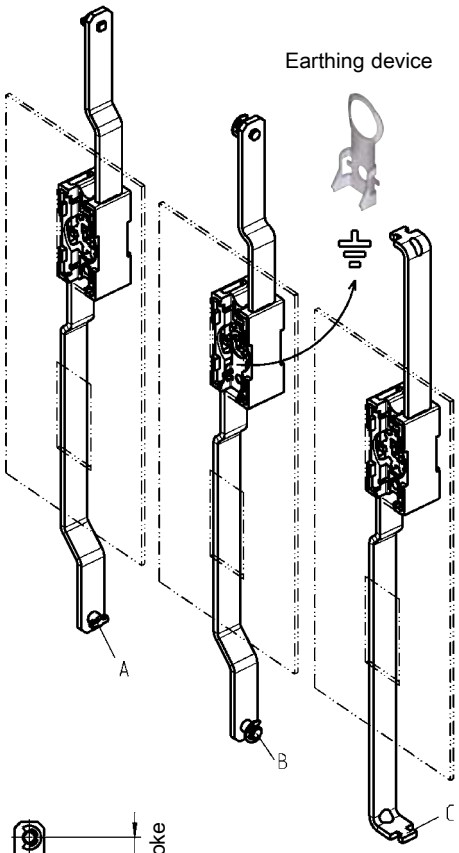
Beschlagteile

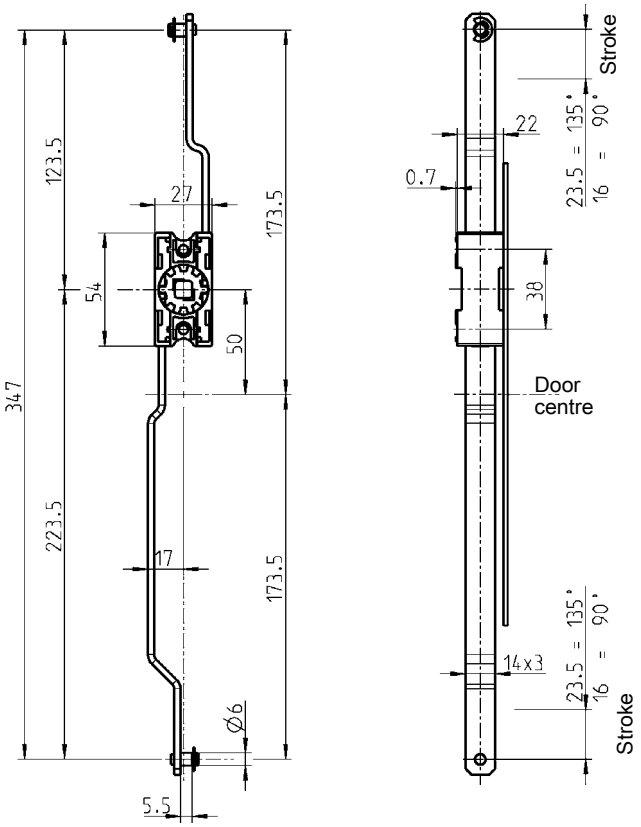
Rod control for flat rods

PROGRAM 1125, 1150, 1225, 3000

EDELSTAHL Rostfrei STAINLESS STEEL







Further parts see page

– Rods

outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-220
– Earthing device	3YA-720
– Cam	3YA-820

Program 1125

– Escutcheon long	3B-120 3B-180
– Swinghandle	3B-220 3B-420

Program 1150

– Swinghandle 1150	3C-160 3C-720
up to	3C-750
– Swinghandle 1153 (not possible with rod control box AISI 316)	3C-320

Program 1225

– Escutcheon long	3G-120 3G-180
– Swinghandle	3G-220 3G-420

Program 3000

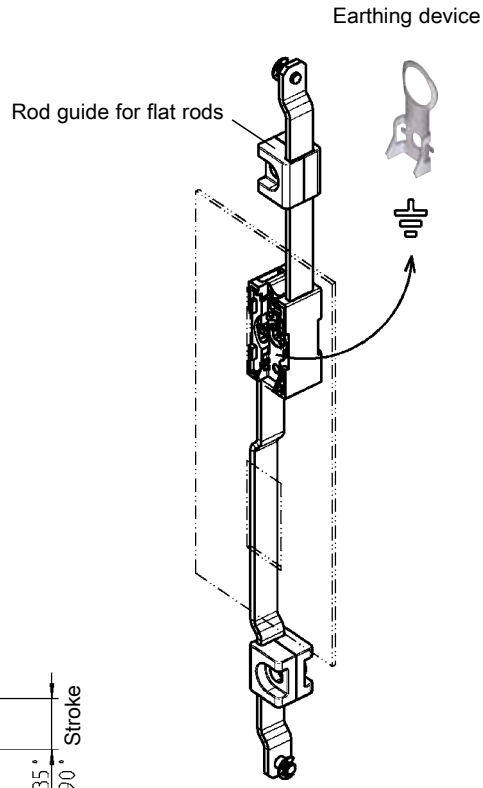
– Swinghandle	3N-120

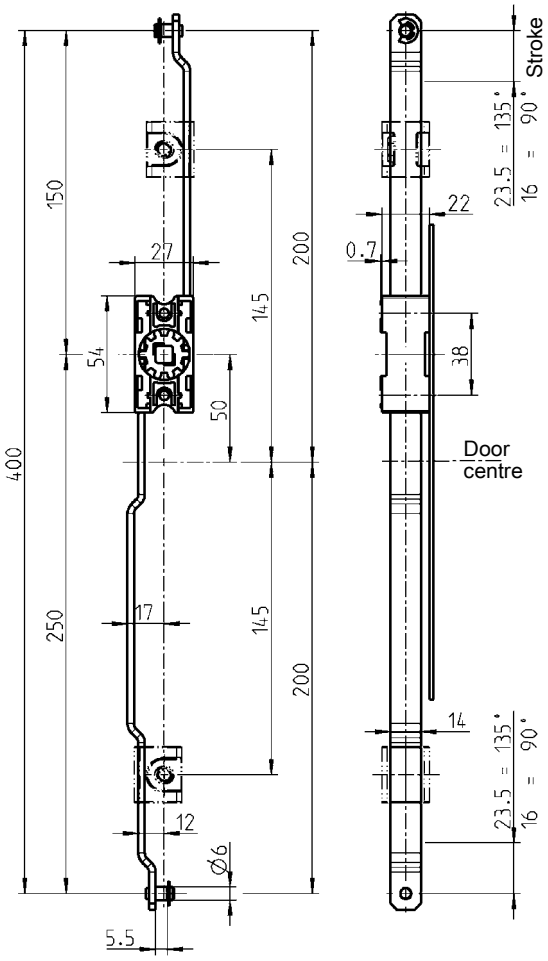
Rod control: material on choice		Version		
Rod control box	**Rod**	**A**	**B**	**C**
Zinc die	m.s. zinc plated	1121-U125-C	1121-U26-C	1121-U85-C
polyamide black	AISI 304	–	1121-U178-C	–
polyamide black	aluminium	–	1121-U38-C	1121-U86-C
AISI 316	AISI 304	–	1121-U139	–

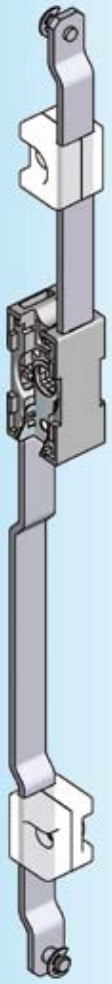
Rod control for round rods

PROGRAM 1125, 1150, 1225, 3000









Further parts see page

– Rods
inside 3ZB-120
– Rod guide 3ZC-120
3ZC-140
– Earthing device 3YA-720
– Cam 3YA-820

Program 1125
– Escutcheon long 3B-120
3B-180
– Swinghandle 3B-220
3B-420

Program 1150
– Swinghandle 1150 3C-160
3C-720
up to 3C-750
– Swinghandle 1153 3C-320

Program 1225
– Escutcheon long 3G-120
3G-180
– Swinghandle 3G-220
3G-420

Program 3000
– Swinghandle 1150 3N-120

Rod control material on choice		
Rod control box	**Rod**	
Zinc die	m.s. zinc plated	1121-U29-C
polyamide black	aluminium	1121-U39-C

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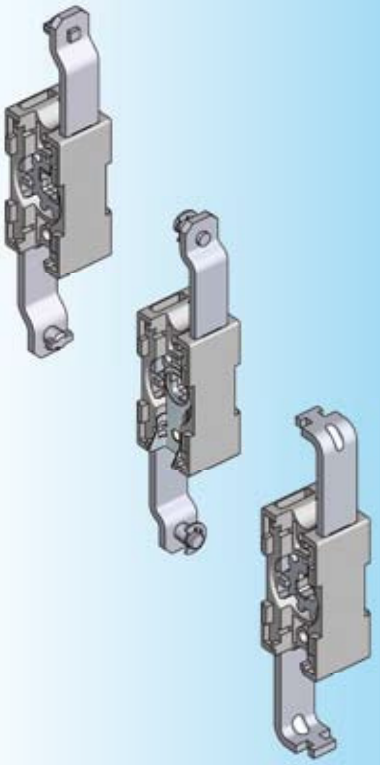
Beschlagteile

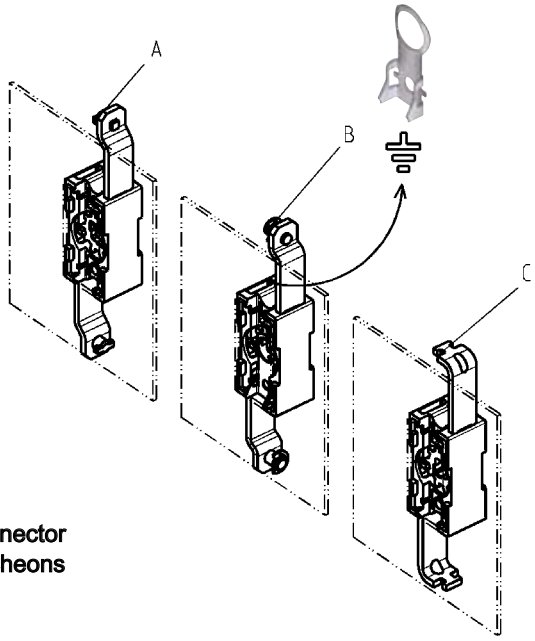
Rod control

PROGRAM 1125, 1225

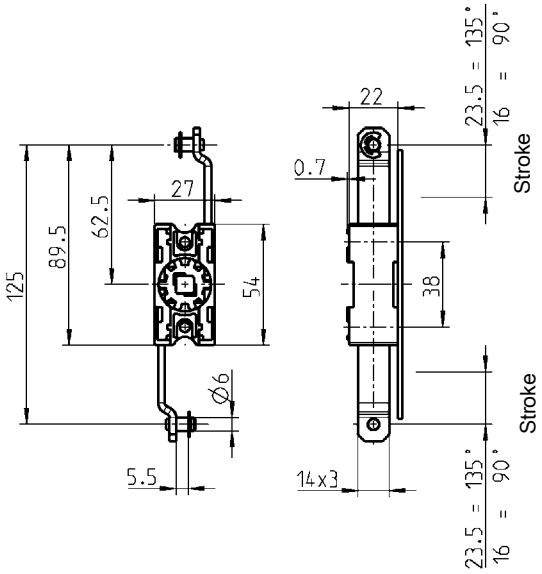
EDELSTAHL Rostfrei STAINLESS STEEL

INOX AISI 3..





Rod control for short escutcheons
Version B in combination with connector (3YA-180) suitable for long escutcheons and swinghandles



Further parts see page
– Rods
inside 3ZB-120 3ZB-220
– Bridge 3YA-180
– Earthing device 3YA-720
– Cam 3YA-820

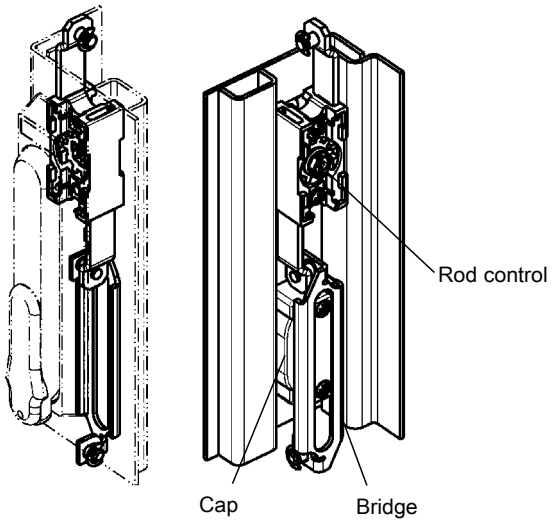
Program 1125
– Escutcheon short 3B-120 3B-180

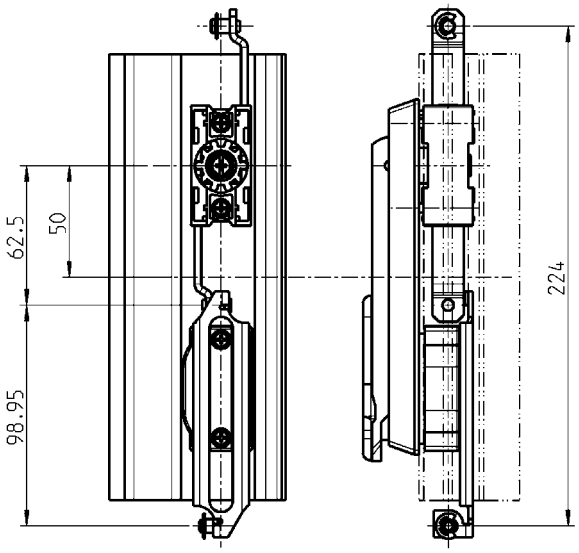
Program 1225
– Escutcheon short 3G-120 3G-180
– Swinghandle small version 3G-520

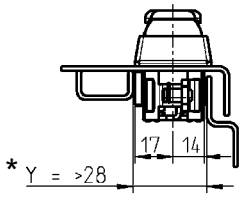
Rod control with two rods: Material on choice		Version		
Rod control box	**Rod**	**A**	**B**	**C**
zinc die	m.s. zinc plated	1121-U124-C	1121-U1-C	1121-U153-C
polyamide black	AISI 304	–	1121-U177-C	–
polyamide black	aluminium	–	1121-U37-C	1121-U154-C
AISI 316	AISI 304	–	1121-U138	–
Rod control with one rod				
Rod control box	**Rod**	**A**	**B**	**C**
polyamide black	aluminium	–	1121-U61-C	–
Rod control without rods, with swing stopper aluminium, turn 90°				
Rod control box	**Rod**	**A**	**B**	**C**
polyamide black	–	–	1121-U60-C	–

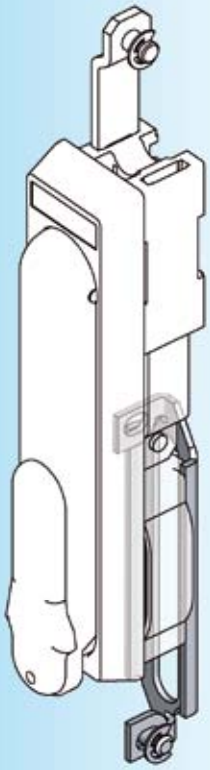
Connector for smaller width

PROGRAM 1125, 1225









The use of this connector in conjunction with rod controls (3YA-160) version B gives a smaller width. In the case of installation of the long escutcheons or swinghandles with rear cap mounted at the door centre the length of the upper and lower rod will be the same.

* In case of a smaller dimension Y rear cap with flat seal (without PUR-foamed seal) has to be ordered separately on request.

Connector, rivet pin m.s. zinc plated, circlips spring steel zinc plated	
	1121-U65

Further parts see page
– Rods
inside 3ZB-120
– Rod control 3YA-160

Program 1125
– Escutcheon long 3B-120, 3B-180
– Swinghandle 3B-220, 3B-420

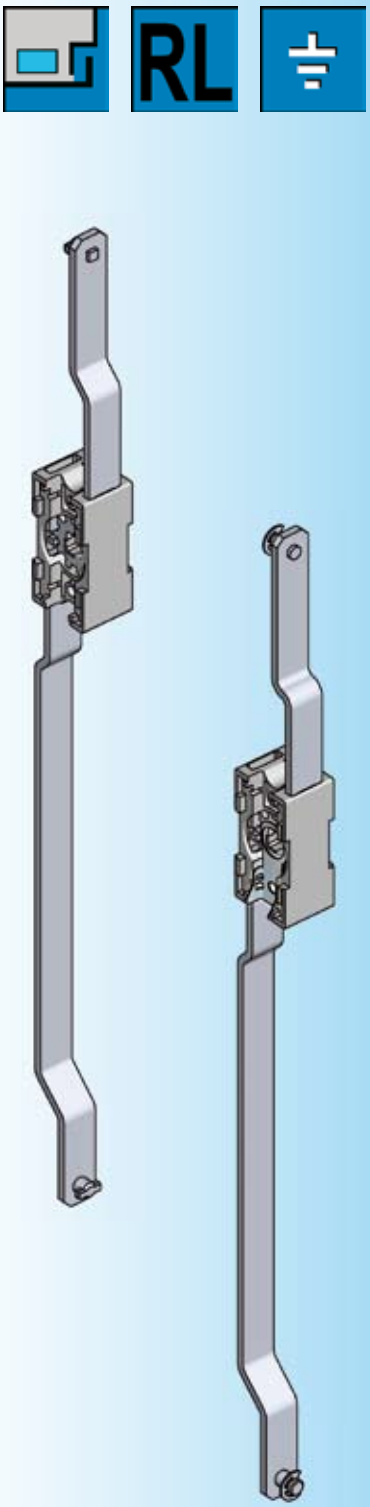
Program 1225
– Escutcheon long 3G-120, 3G-180
– Swinghandle 3G-220, 3G-420

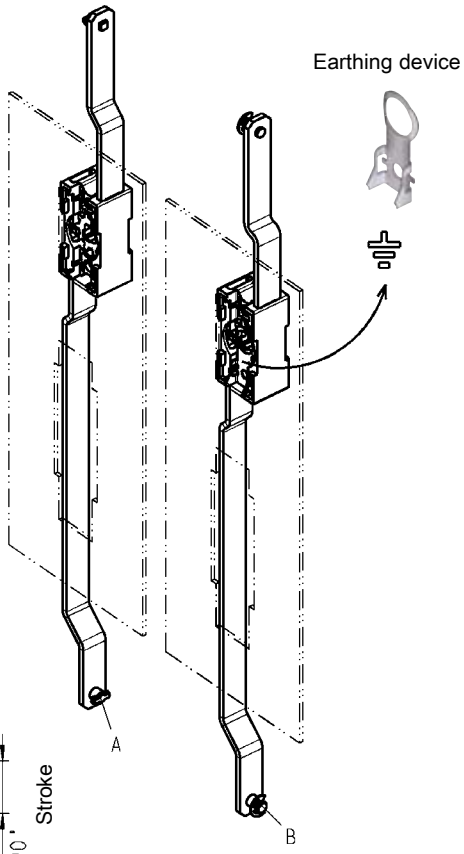
EMKA®

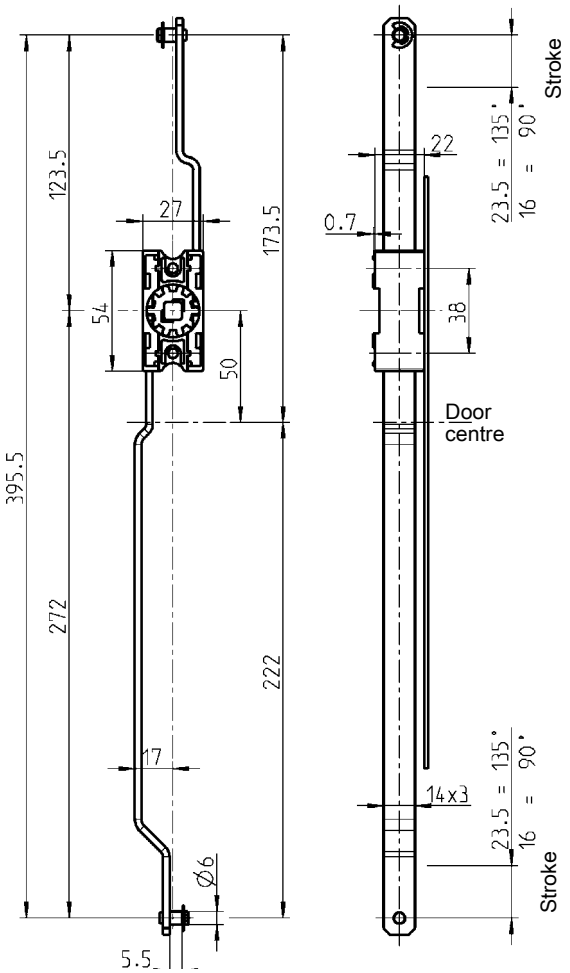
Beschlagteile

Rod control for flat rods

PROGRAM 1125







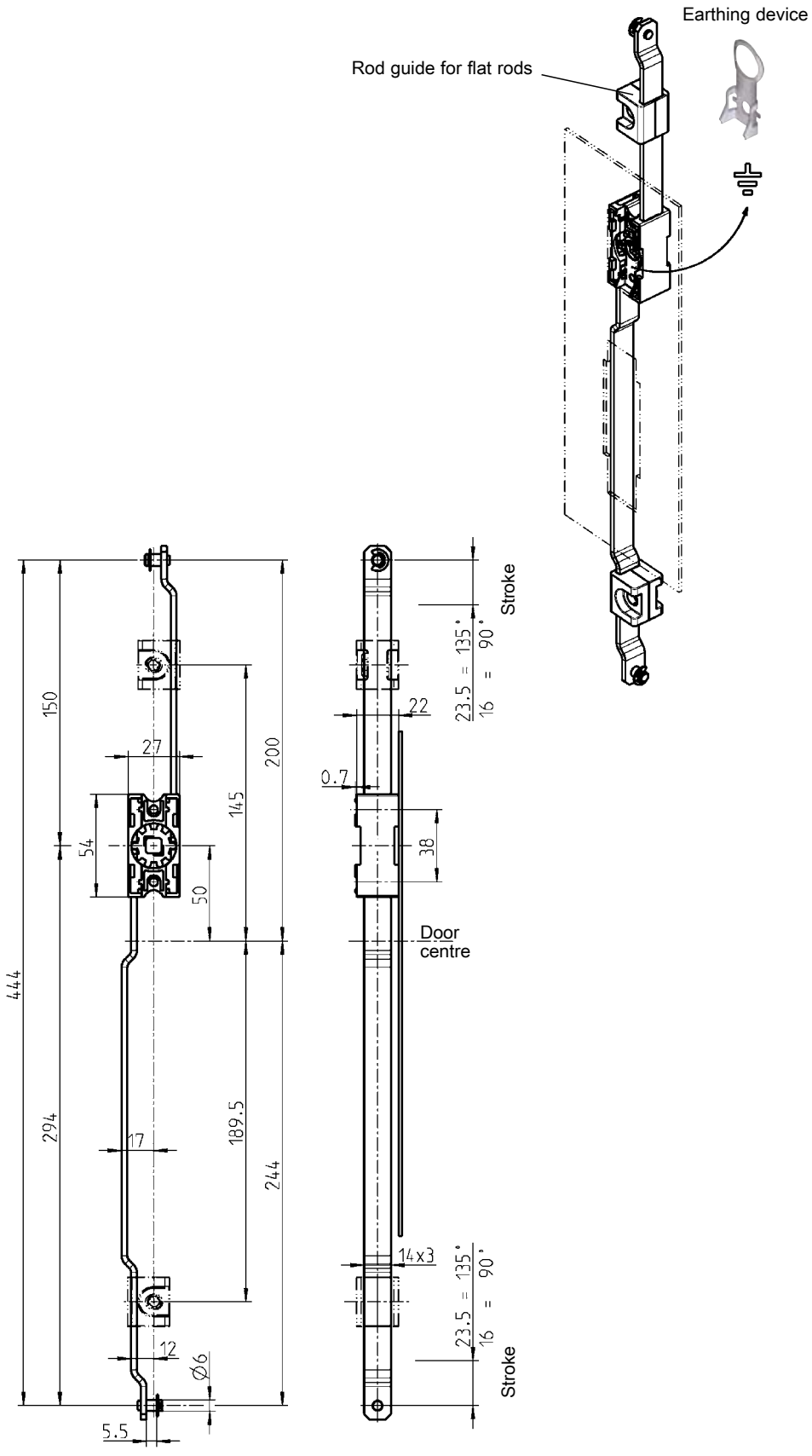
Further parts see page
– Rods
inside 3ZB-120
3ZB-220
– Earthing device 3YA-720
– Cam 3YA-820

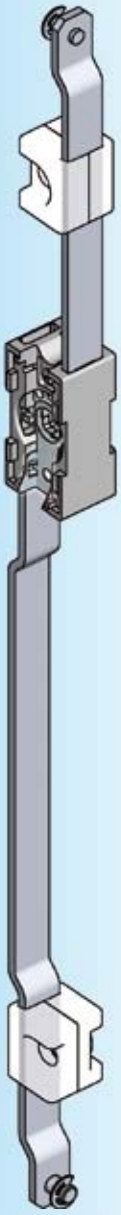
Program 1125
– Swinghandle 3B-320

Rod control: Material on choice		Version	
Rod control box	**Rod**	**A**	**B**
Zinc die	m.s. zinc plated	1121-U126-C	1121-U51-C
polyamide black	aluminium	–	1121-U53-C

Rod control for round rods

PROGRAM 1125





Further parts see page

– Rods	
inside	3ZB-120
– Rod guide	3ZC-120 3ZC-140
– Earthing device	3YA-720
– Cam	3YA-820

Program 1125

– Swinghandle	3B-320

Rod control	
Zinc die, Rods m.s. zinc plated	1121-U52-C

3YA-240

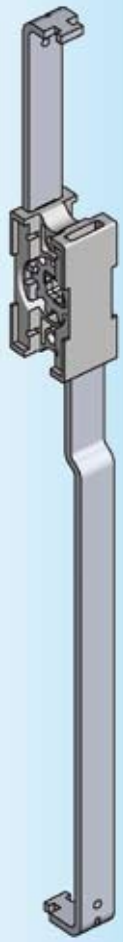
(3C-260)

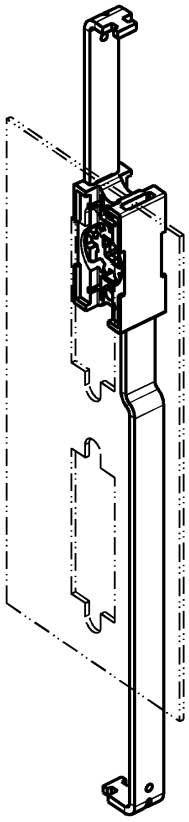
EMKA®

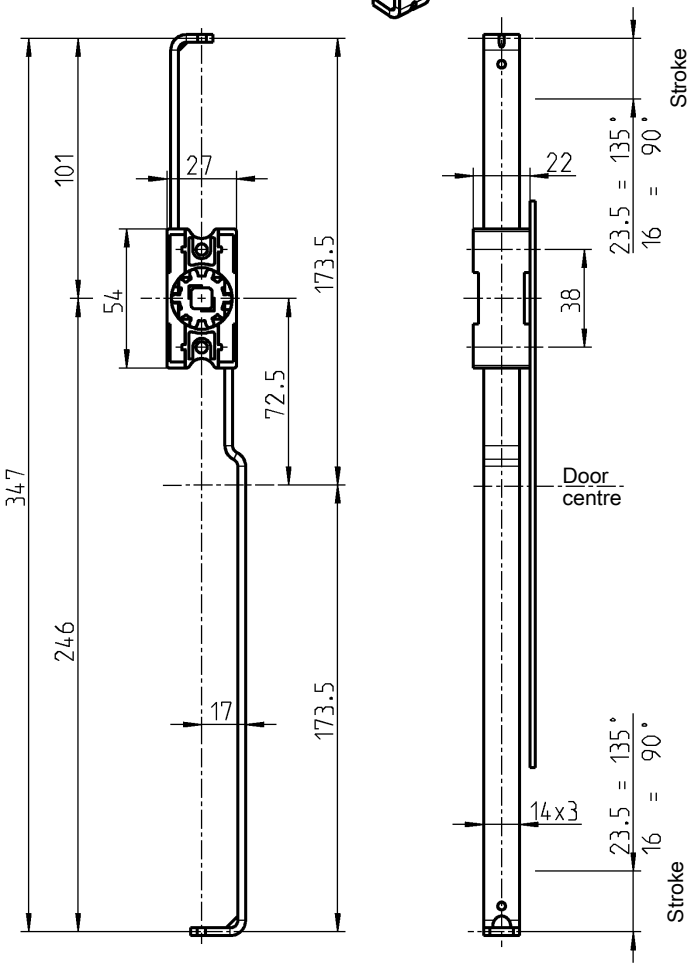
Beschlagteile

Rod control for flat rods

PROGRAM 1150







Further parts see page

– Rods

outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-220
– Cam	3YA-820

Program 1150

– Swinghandle 1153	3C-440

Rod control material on choice	
Zinc die, Rods m.s. zinc plated	2121-U28-C
Polyamide black, rods aluminium	2121-U29-C

3YA-420

(3F-220)

Stainless steel rod control for flat rods

PROGRAM 1150

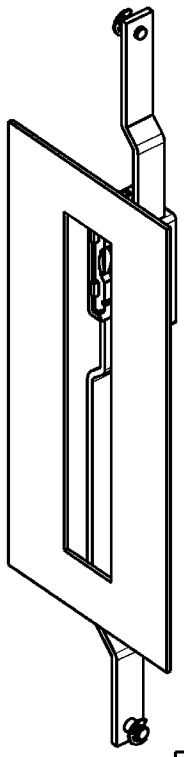
EMKA

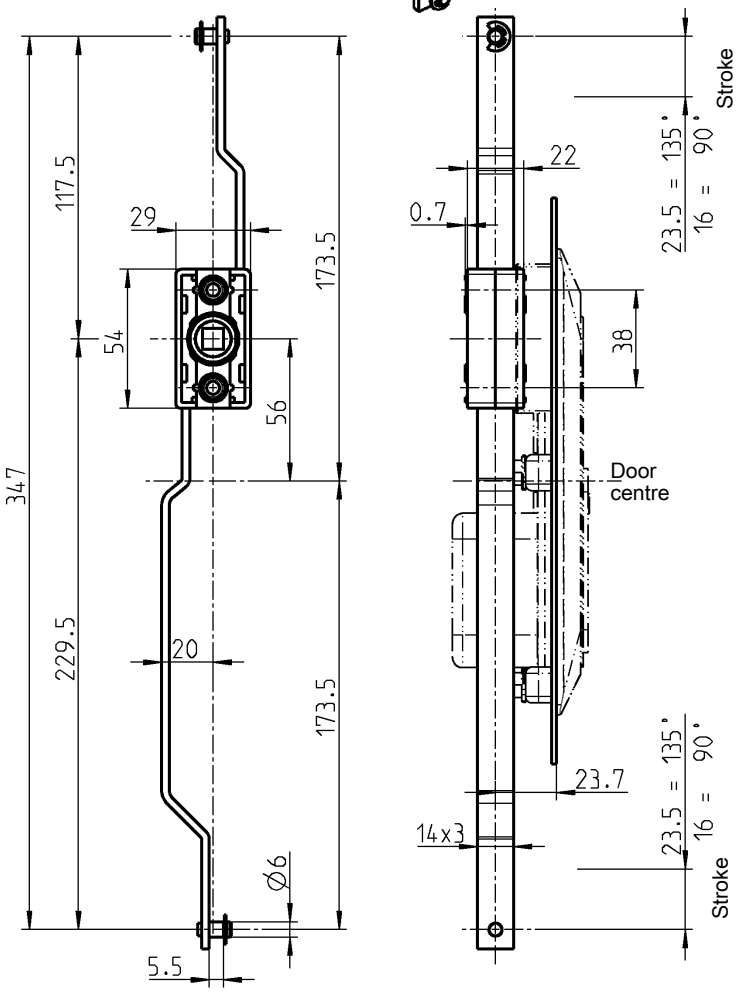
Beschlagteile

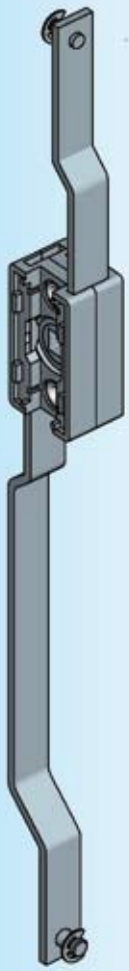
EDELSTAHL Rostfrei STAINLESS STEEL

RL

INOX AISI 3..







Further parts see page
– Rods
inside on request

Program 1150
– Swinghandle 1154
with WK2 3C-260

Rod control box AISI 316, rods AISI 304

1121-U140

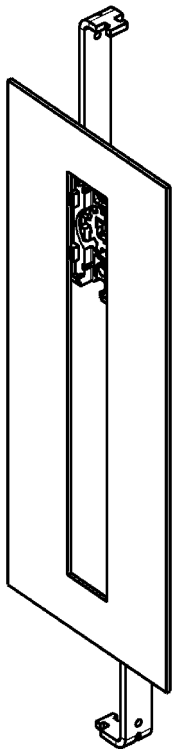
EMKA®

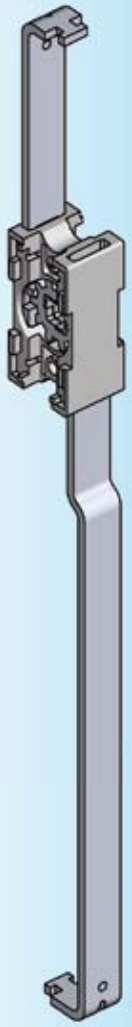
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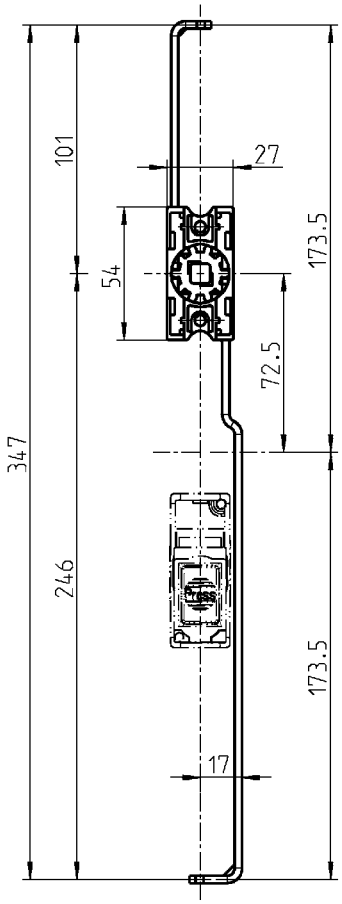
Rod control for flat rods

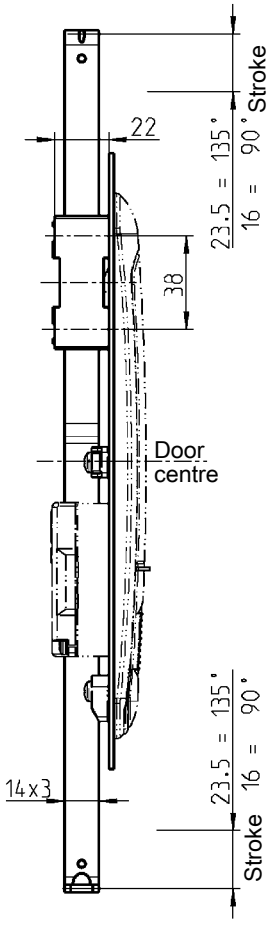
PROGRAM 1180











Further parts see page

– Rods

outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-220
– Cam	3YA-820

Program 1180

– Swinghandle 1185	3E-520

Rod control zinc die, rods m.s. zinc plated

1121-U180-C

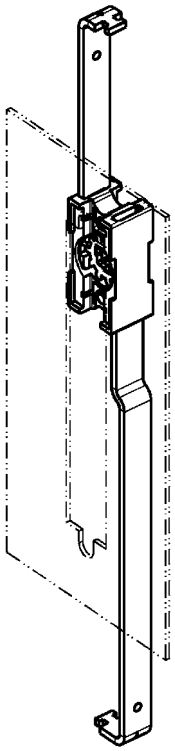
3YA-480

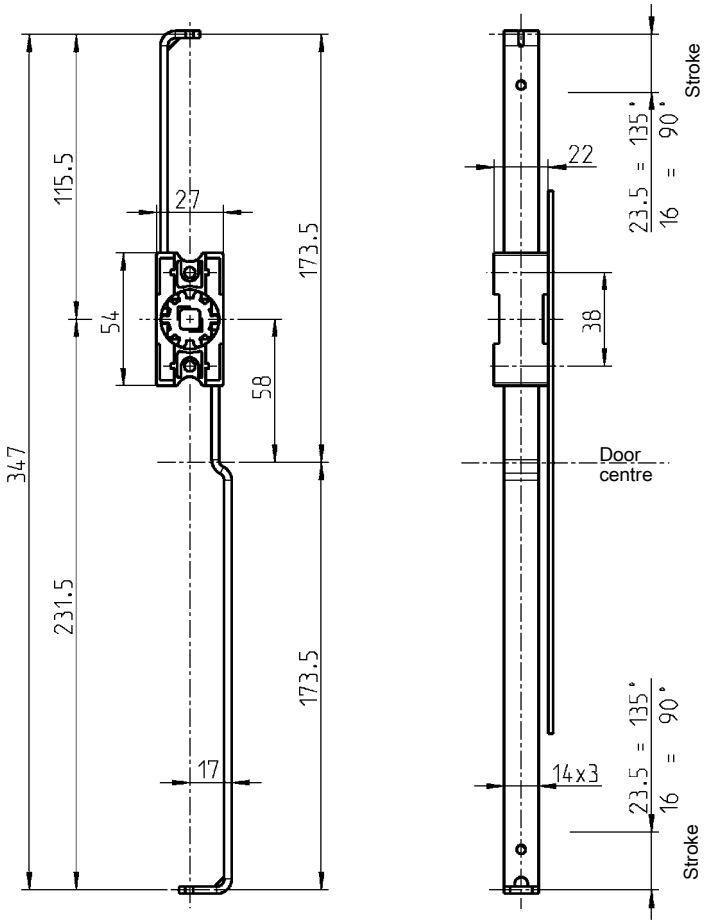
(3YA-320)

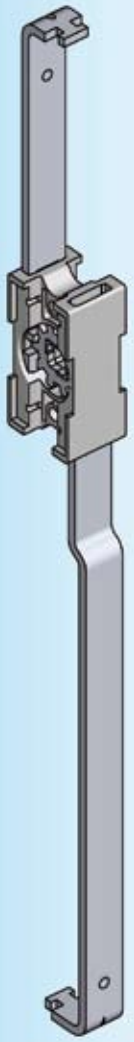
Rod control for flat rods

PROGRAM 2100

EMKA Beschlagteile







Further parts see page

– Rods

outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-220
– Cam	3YA-820

Program 2100

– Escutcheon	3H-120 3H-220
– Swinghandle	3H-320 up to 3H-420

Rod control material on choice	
Zinc die, rod m.s. zinc plated	2121-U26-C
Polyamide black, rods aluminium	2121-U27-C

3YA-520

(3D-360)

EMKA®

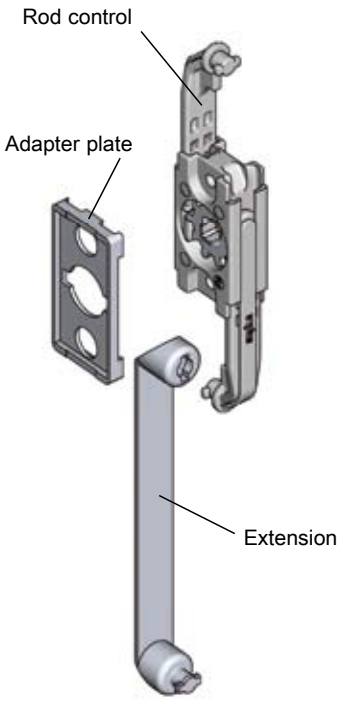
Beschlagteile

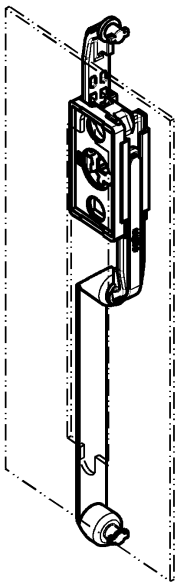
Rod control for flat rods

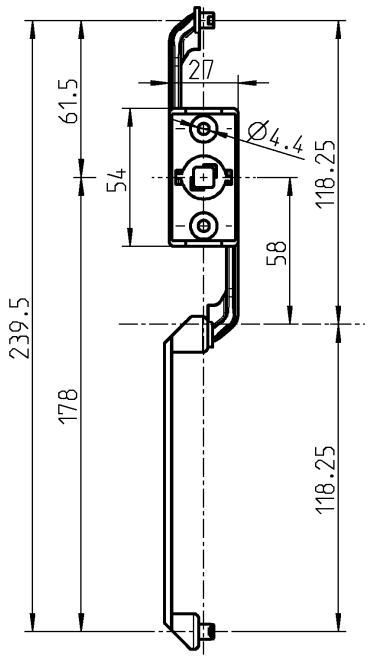
PROGRAM 2100

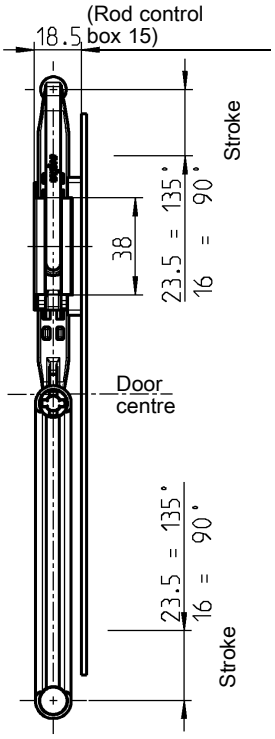












Further parts see page

– Rods

inside 3ZB-120
3ZB-220

– Cam 3YA-820

Program 2100

– Escutcheon 3H-120
3H-220

– Swinghandle 3H-320
up to 3H-420

Rod control zinc die	
	2200-U1-C
Adapter plate zinc die zinc plated	
	2200-05
Extension zinc die zinc plated	
	2200-06

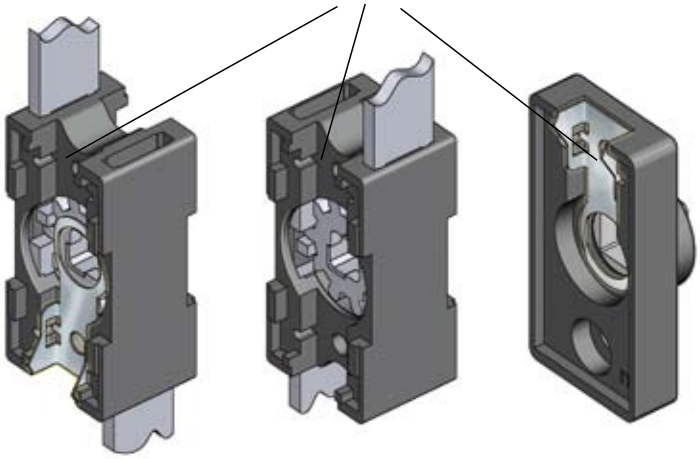
Earthing device for rod control and bearing bush

PROGRAM 1125, 1150, 1225



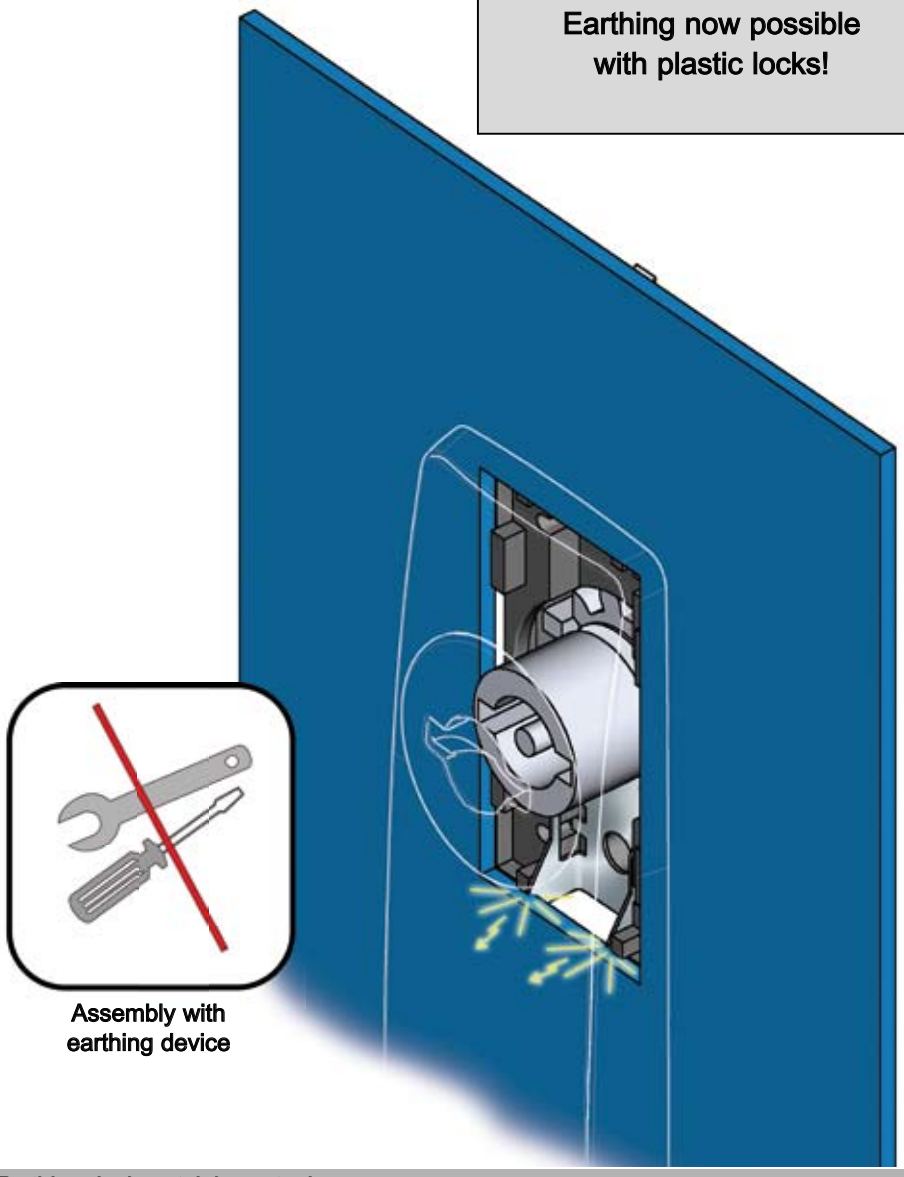


Application of earthing device



Rod control front | Rod control rear | Bearing bush

Earthing now possible with plastic locks!



Assembly with earthing device

The earthing device passed the test in accordance to DIN EN 60439-1/8.2.4.1. The resistance is max. 0,032 Ohm.

Attention:

The earthing device can be used regardless of the material of the rod control!

The earthing device will not change the assembly!

The earthing device can be assembled to the rod control or bearing bush without a tool.

The mechanical figures are unchanged!

Earthing will be achieved upon assembly of the escutcheon or the swinghandle!

Further parts see page

– Rod control 3YA-120 up to 3YA-240
– Bearing bush 3YB-120 (for Ts 1.0 to 2.0)

Earthing device stainless steel	
	1121-117

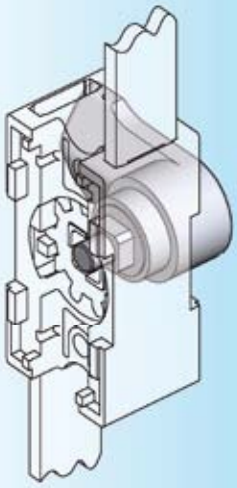
EMKA®

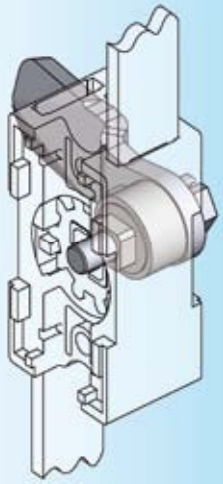
Beschlagteile

Cam in zinc die and mild steel

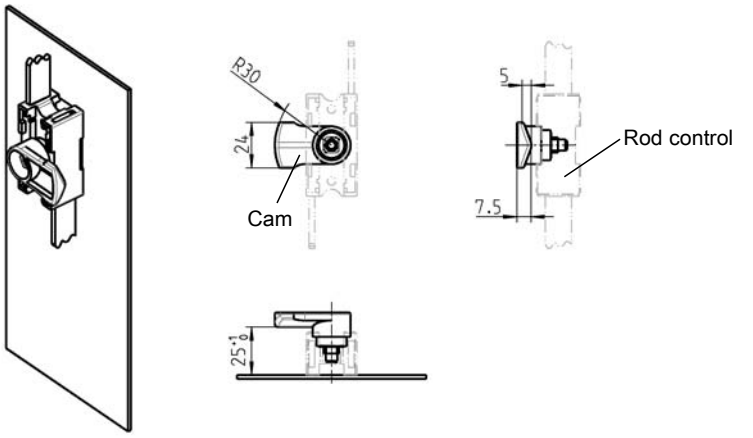
PROGRAM 1125, 1150, 1225, 2100, 3000





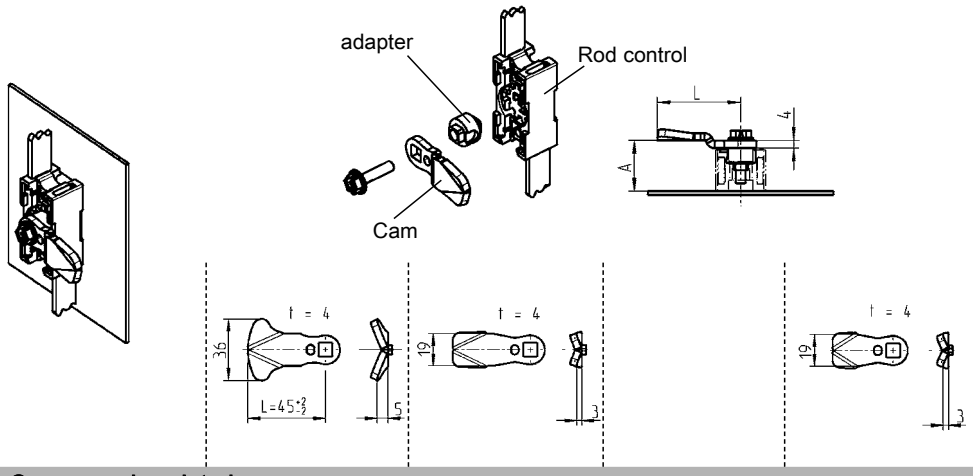


Cam zinc die



Cam zinc die zinc pl. with screw m.s. zinc pl.	
	1121-U25

Mild steel cam (to be used with adapter only)



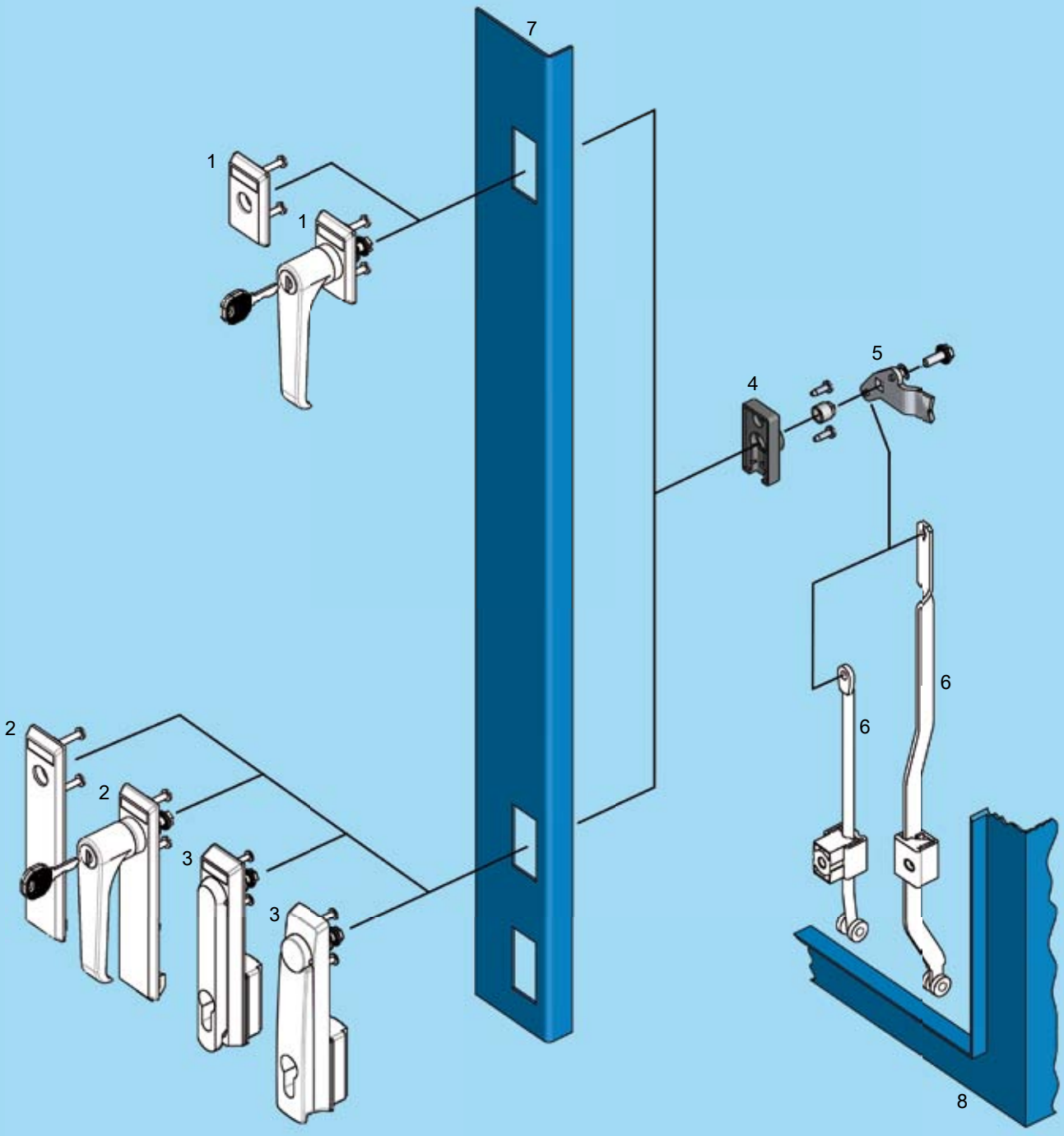
Cam m.s. zinc plated						
A in mm				A	L	
23		1000-293	1000-17	23	35	1000-5046
25		1000-294	1000-16	25	35	1000-5161
27		1000-295	1000-15	27	35	1000-5119
29		1000-296	1000-14	33	35	1000-5164
30	Attention:	1000-297	1000-27			
31	These A-dimen-	1000-298	1000-50			
33	sions are only	1000-299	1000-13			
35	valid with a Rod	1000-300	1000-28			
37	control	1000-301	1000-26			
39		1000-302	1000-12			
40		1000-303	1000-11			
41		1000-304	1000-51			
43		1000-305	1000-52			
45		1000-306	1000-25			
47		1000-307	1000-53			
49		1000-308	1000-54			
50		1000-309	1000-10			
52		1000-310	1000-55			
55		1000-311	1000-56			

Cams with different A- and L-dimensions. Minimum order quantity: 2000 pieces

Adapter zinc die, screw m.s. zinc pl.	
	1121-U40

Further parts see page
– Rod control 3YA-120 up to 3YA-540

Bearing bush with cam
Program 1125, 1225, 2100, 3000



1 Escutcheon short
2 Escutcheon long
3 Swinghandle
4 Bearing bush
5 Cam
6 Rod (inside the gasketing)
7 Door
8 Cabinet/frame

Program 1125, 1225
Program 1125, 1225, 2100
Program 1125, 1225, 2100, 3000
3YB-120, 3YB-140
3YB-420, 3YB-440, 3YB-460



3YB-100

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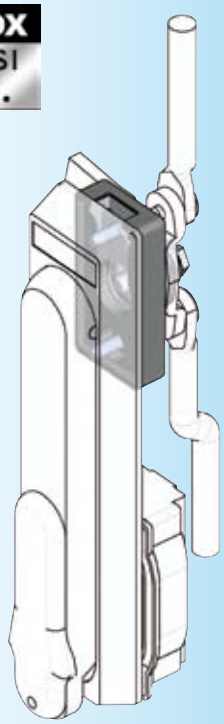
Beschlagteile

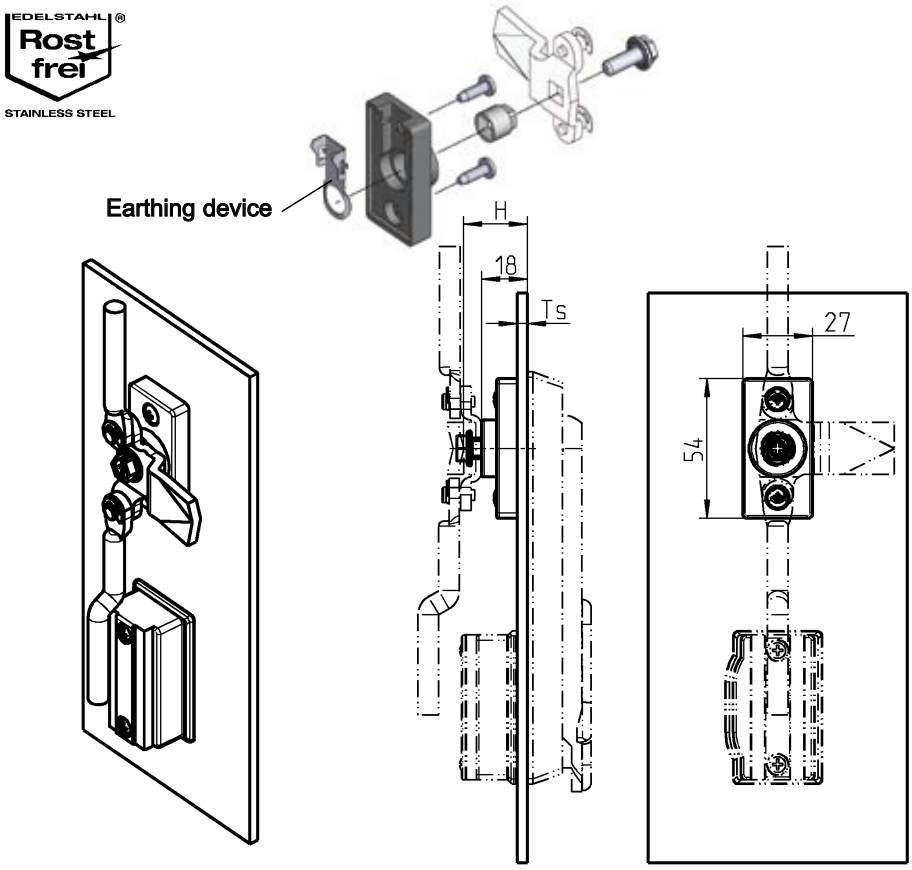
Bearing bush Ts 1,0 – 12,0 mm

PROGRAM 1125, 1225, 3000









Attention: Escutcheons and swinghandles assembled with rear cap can not be used with standard rods!
Special rods on request!

Note:
Earthing device can be used with bearing bushes for Ts = 1,0, 1,5 and 2,0!
(not suited for Program 3000)

Adapter and fixing material for Program 3000
see catalogue page 3N-120

Further parts see page
– Cam for bearing bush without stopper 3YB-420
– Cam for bearing bush with stopper 3YB-440
– Rod control for cam 3YB-460
– Earthing device (not suited for Program 3000) 3YA-720

Program 1125
– Escutcheon 3B-120 3B-180
– Swinghandle 3B-220 3B-420

Program 1225
– Escutcheon 3G-120 3G-180
– Swinghandle 3G-220 3G-420 3G-520

Program 3000
– Swinghandle 3N-120

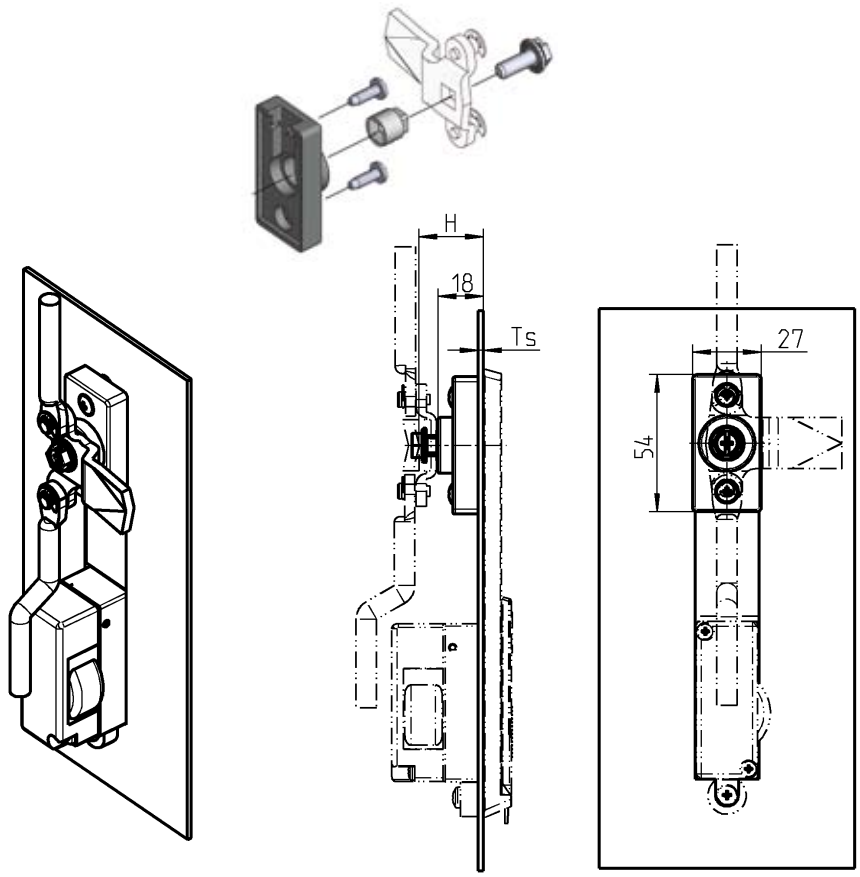
door gauge	without stopper	Escutcheon LH swinghandle RH with stopper	Escutcheon RH Swinghandle LH with stopper
Bearing bush Polyamide black			
1,0	1125-81-010	1125-83-010	1125-84-010
1,5	1125-81-015	1125-83-015	1125-84-015
2,0	1125-81-020	1125-83-020	1125-84-020
2,5	1125-81-025	1125-83-025	1125-84-025
3,0	1125-81-030	1125-83-030	1125-84-030
4,0	1125-81-040	1125-83-040	1125-84-040
5,0	1125-81-050	1125-83-050	1125-84-050
6,0	1125-81-060	1125-83-060	1125-84-060
8,0	1125-81-080	on request	on request
10,0	1125-81-100	on request	on request
11,0	1125-81-110	on request	on request
12,0	1125-81-120	–	–
Bearing bush AISI 316			
2,0	1125-81-020PH	–	–

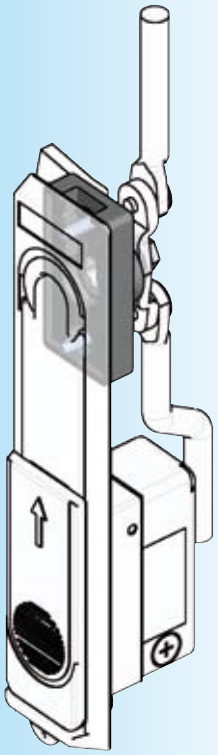
Order separately: (not suited for Program 3000, see note)
Adapter casting zinc pl. or AISI 316, fixing material m.s. zinc pl. resp. stainless steel

Program 1125 and 1225 for		Ts 1,0 – 3,0	Ts 4,0 – 6,0	Ts 8,0 – 12,0
m.s.	Swinghandle	1125-U284	1125-U284	1125-U285
m.s.	Escutcheon	1125-U286	1125-U287	1125-U288
AISI	Swinghandle	1125-U284-PH	–	–
AISI	Escutcheon	1125-U286-PH	–	–

Bearing bush Ts 1,0 – 12,0 mm

PROGRAM 2100





Attention: Swinghandles can not be used with standard rods!
Special rods on request!

Bearing bush Polyamide black			
door gauge	without stopper	Escutcheon LH swinghandle RH with stopper	Escutcheon RH Swinghandle LH with stopper
1,0	1125-81-010	1125-83-010	1125-84-010
1,5	1125-81-015	1125-83-015	1125-84-015
2,0	1125-81-020	1125-83-020	1125-84-020
2,5	1125-81-025	1125-83-025	1125-84-025
3,0	1125-81-030	1125-83-030	1125-84-030
4,0	1125-81-040	1125-83-040	1125-84-040
5,0	1125-81-050	1125-83-050	1125-84-050
6,0	1125-81-060	1125-83-060	1125-84-060
8,0	1125-81-080	on request	on request
10,0	1125-81-100	on request	on request
11,0	1125-81-110	on request	on request
12,0	1125-81-120	–	–
Order seperately: **Adapter casting zinc pl., fixing material m.s. zinc pl.**			
for Ts 1,0 - 12,0			1125-U286

Further parts see page
– Cam for bearing bush without stopper 3YB-420
– Cam for bearing bush with stopper 3YB-440

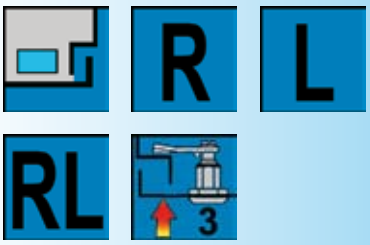
Program 2100
– Escutcheon 3H-120 up to 3H-220
– Swinghandle 3H-320 up to 3H-420

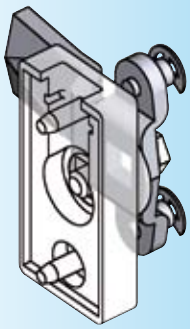
EMKA®

Beschlagteile

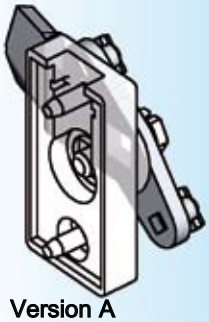
Cams for bearing bush without stopper

PROGRAM 1125, 1225, 2100, 3000

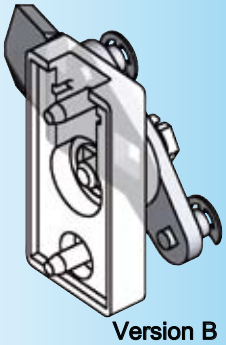




Further parts see page
– Rod
inside 3ZB-120
– Bearing bush 3YB-120
3YB-140



Version A



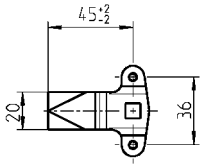
Version B

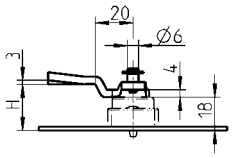
Further parts see page

Program 1125, 1225, 3000
– Rod
inside 3ZB-420
– Bearing bush 3YB-120

Program 2100
– Rod
inside 3ZB-820
– Bearing bush 3YB-140

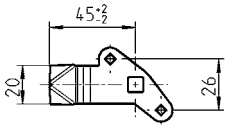
Cam with rivet pins
Stroke 18 mm



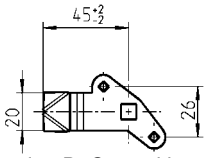


Cam m.s. zinc plated						
H		H		H		
18	1107-U119	30	1107-U124	42	1107-U131	
20	1107-U120	32	1107-U125	44	1107-U132	
22	1107-U5	34	1107-U126	45	1107-U133	
24	1107-U121	35	1107-U127	47	1107-U134	
25	1107-U122	36	1107-U128	50	1107-U135	
26	1107-U123	38	1107-U129			
28	1107-U6	40	1107-U130			
2-point rod control m.s. zinc plated						
						1107-U88

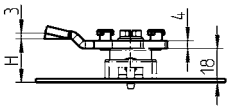
cam with rivet pins
Stroke 26 mm

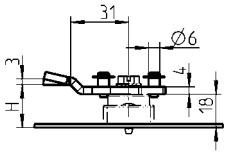


Version A: Cam with T rivets



Version B: Cam with round rivets





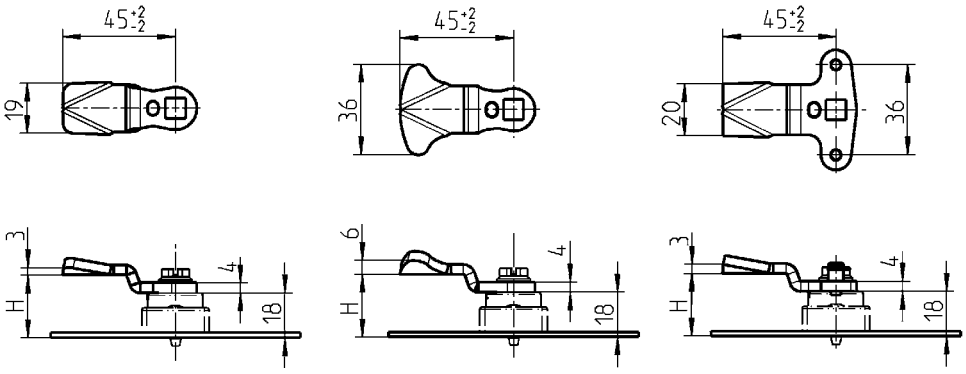
Version A: Cam m.s. zinc plated					
H	RH	LH	H	RH	LH
23	1000-U544-23	1000-U545-23	31	1000-U544-31	1000-U545-31
25	1000-U544-25	1000-U545-25	35	1000-U544-35	1000-U545-35
27	1000-U544-27	1000-U545-27	38	1000-U544-38	1000-U545-38
29	1000-U544-29	1000-U545-29			
2-point rod control m.s. zinc plated					
					1000-U632

Version B: Cam m.s. zinc plated					
H	RH	LH	H	RH	LH
23	1000-U661-23	1000-U662-23	31	1000-U661-31	1000-U662-31
25	1000-U661-25	1000-U662-25	35	1000-U661-35	1000-U662-35
27	1000-U661-27	1000-U662-27	38	1000-U661-38	1000-U662-38
29	1000-U661-29	1000-U662-29	40	1000-U661-40	1000-U662-40
2-point rod control m.s. zinc plated					
					1000-U663

Cams for bearing bush with stopper

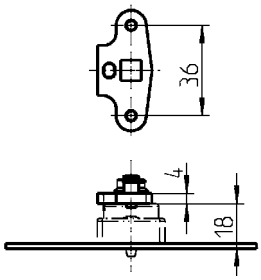
PROGRAM 1125, 1225, 2100, 3000

Cam with rivet pins
Stroke 18 mm

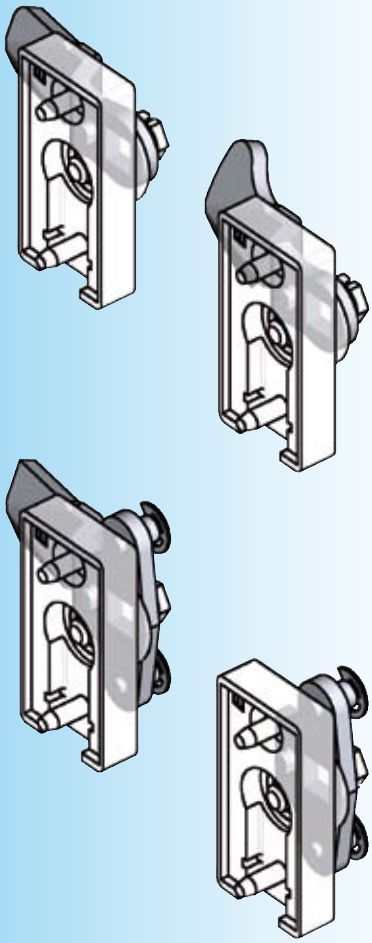


Cam m.s. zinc pl.		Cam m.s. zinc pl.		Cam m.s. zinc pl.	
H		H		H	
18	1000-17	18	1000-293	18	1000-U26
20	1000-16	20	1000-294	20	1000-U27
22	1000-15	22	1000-295	22	1000-U28
24	1000-14	24	1000-296	24	1000-U29
25	1000-27	25	1000-297	25	1000-U30
26	1000-50	26	1000-298	26	1000-U31
28	1000-13	28	1000-299	28	1000-U32
30	1000-28	30	1000-300	30	1000-U33
32	1000-26	32	1000-301	32	1000-U34
34	1000-12	34	1000-302	34	1000-U35
35	1000-11	35	1000-303	35	1000-U36
36	1000-51	36	1000-304	36	1000-U37
38	1000-52	38	1000-305	38	1000-U38
40	1000-25	40	1000-306	40	1000-U39
42	1000-53	42	1000-307	42	1000-U40
44	1000-54	44	1000-308	44	1000-U41
45	1000-10	45	1000-309	45	1000-U42
47	1000-55	47	1000-310	47	1000-U43
50	1000-56	50	1000-311	50	1000-U44

Cam with rivet pins
Stroke 18 mm



2-point rod control m.s. zinc plated	
	1000-U167



Further parts see page
– Rod
inside 3ZB-120
– Bearing bush 3YB-120
3YB-140

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Rod control for cam

PROGRAM 1125, 1225, 2100, 3000

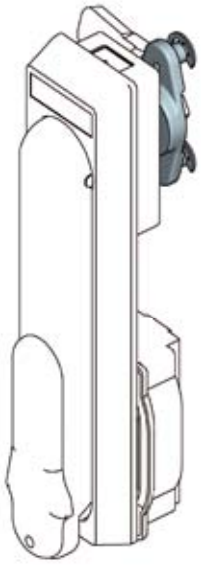




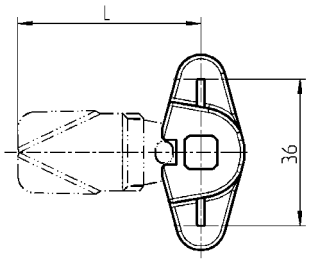

EDELSTAHL Rostfrei STAINLESS STEEL

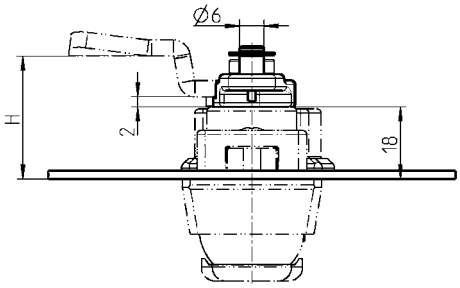






Stroke 18 mm





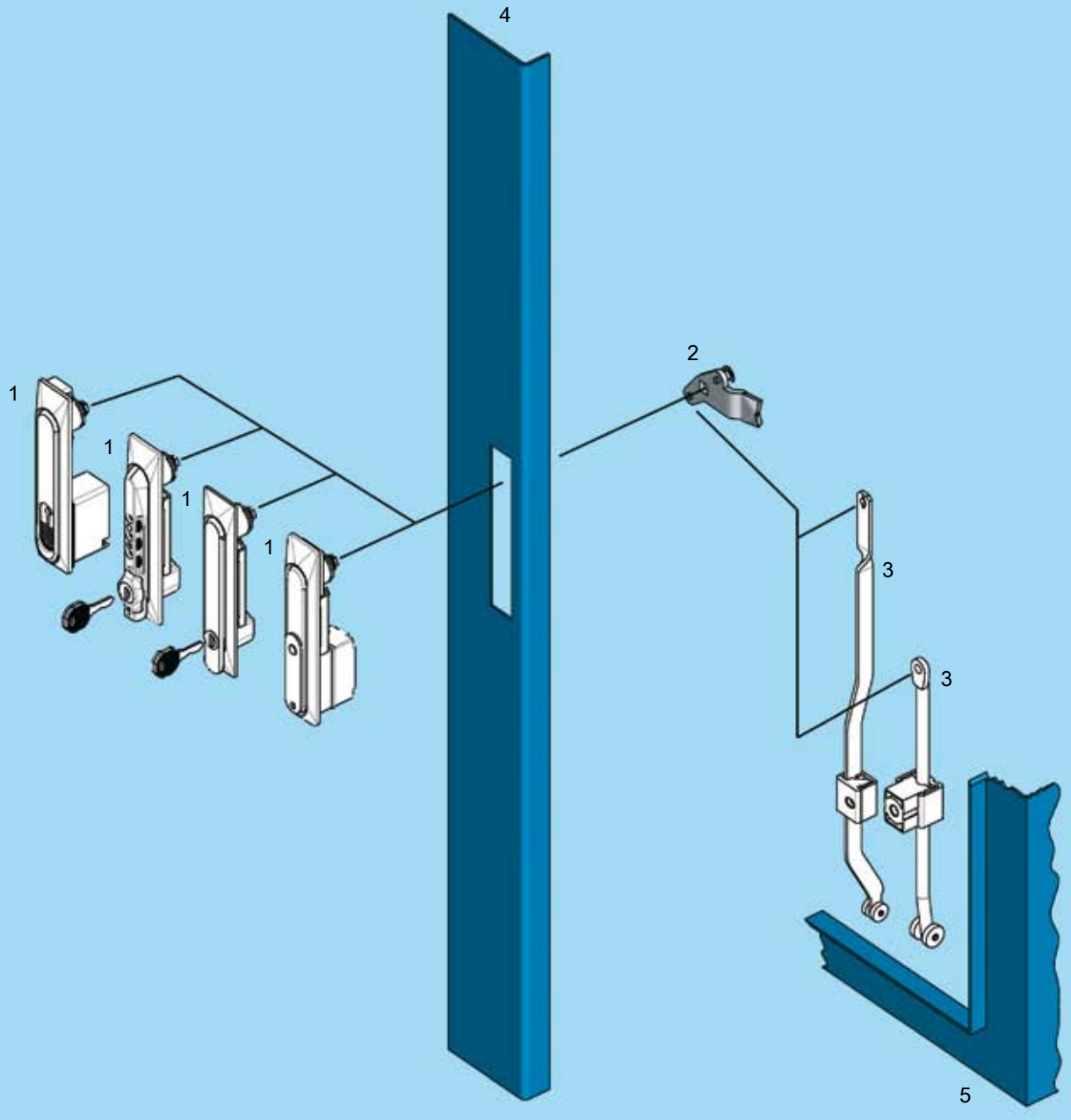
Attention:
By using the rod control
the H-dimension of the cam
increases by 2 mm

Further parts see page

– Cam (GH=18)	1C-120 1C-140
– Rod	
inside	3ZB-120
– Bearing bush	3YB-120 3YB-140

Rod control zinc die, zinc plated, circlip m.s. zinc plated	
	1107-U246
Rod control AISI 316	
	1107-U246-PH

Cam
Program 1091, 1107, 1125, 1150, 1180, 1225





1 Swinghandle
2 Cam
3 Rod (inside the gasketing)
4 Door
5 Cabinet/frame

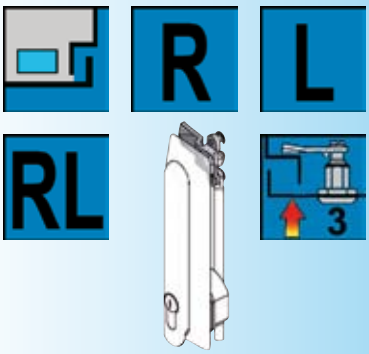
Program 1107, 1125, 1150, 1180, 1225
3YC-120, 3YC-140, 3YC-180

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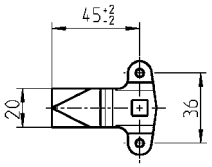
Beschlagteile

Cam

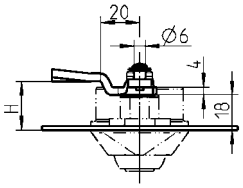
PROGRAM 1107, 1125, 1150, 1180



Cam with rivet pins
Stroke 18 mm

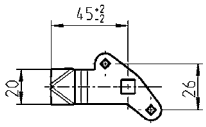


Attention:
Not suitable for program 1150!

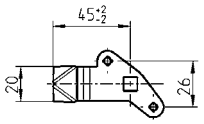


Cam m.s. zinc plated							
H		H		H		H	
4	1107-U112	18	1107-U119	30	1107-U124	42	1107-U131
6	1107-U113	20	1107-U120	32	1107-U125	44	1107-U132
8	1107-U114	22	1107-U5	34	1107-U126	45	1107-U133
10	1107-U115	24	1107-U121	35	1107-U127	47	1107-U134
13	1107-U116	25	1107-U122	36	1107-U128	50	1107-U135
14	1107-U117	26	1107-U123	38	1107-U129		
16	1107-U118	28	1107-U6	40	1107-U130		
2-point rod control, m.s. zinc pl.							
							1107-U88

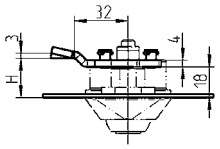
Cam with rivet pins
Stroke 26 mm

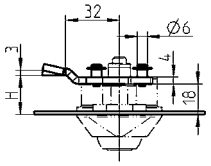


Version A: Cam with T rivets



Version B: Cam with round rivets

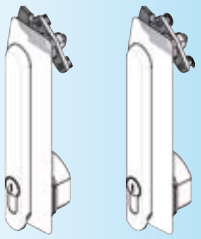




Version A: Cam m.s. zinc plated					
H	RH	LH	H	RH	LH
23	1000-U544-23	1000-U545-23	31	1000-U544-31	1000-U545-31
25	1000-U544-25	1000-U545-25	35	1000-U544-35	1000-U545-35
27	1000-U544-27	1000-U545-27	38	1000-U544-38	1000-U545-38
29	1000-U544-29	1000-U545-29			
2-point rod control, m.s. zinc pl.					
					1000-U632
Version B: Cam m.s. zinc plated					
H	RH	LH	H	RH	LH
23	1000-U661-23	1000-U662-23	31	1000-U661-31	1000-U662-31
25	1000-U661-25	1000-U662-25	35	1000-U661-35	1000-U662-35
27	1000-U661-27	1000-U662-27	38	1000-U661-38	1000-U662-38
29	1000-U661-29	1000-U662-29	40	1000-U661-40	1000-U662-40
2-point rod control, m.s. zinc pl.					
					1000-U663

Further parts see page
Program 1107
– Rod
inside 3ZB-120
– Swinghandle 3A-120
3A-140
3A-320
up to 3A-420

Program 1125
– Rod on request
– Swinghandle (Version B) 3B-320



Further parts see page
Program 1107
– Rod
inside 3ZB-320
– Swinghandle 3A-120
3A-140
3A-320
up to 3A-420

Program 1125
– Rod
inside 3ZB-440
– Swinghandle (Version B) 3B-320

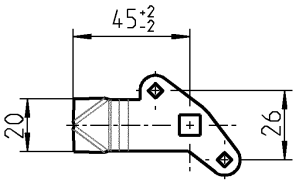
Program 1150
– Rod
inside for swinghandle (3C-140, 3C-620 to 3C-750) 3ZB-520
inside for swinghandle (3C-160, 3C-220, 3C-260 to 3C-320) 3ZB-540
– Swinghandle 3C-140
up to 3C-320
3C-620
up to 3C-750

Program 1180
– Rod
inside 3ZB-620
– Swinghandle 1185 3E-520

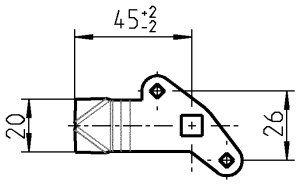
Cam

PROGRAM 1125, 1150, 1180, 1225

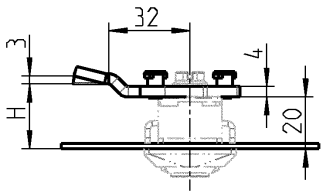
Cam with rivet pins
Stroke 26 mm
Program 1150, 1180

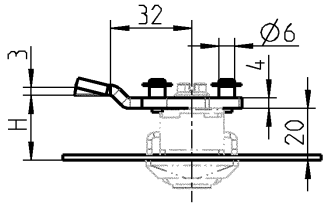


Version A: Cam with T rivets



Version B: Cam with round rivets

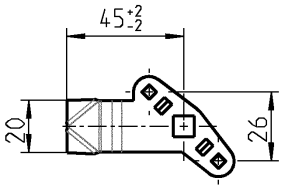


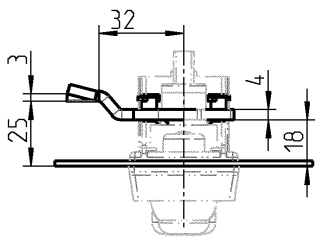


Version A: Cam m.s. zinc plated					
H	**RH**	**LH**	**H**	**RH**	**LH**
25	1000-U544-23	1000-U545-23	33	1000-U544-31	1000-U545-31
27	1000-U544-25	1000-U545-25	37	1000-U544-35	1000-U545-35
29	1000-U544-27	1000-U545-27	40	1000-U544-38	1000-U545-38
31	1000-U544-29	1000-U545-29			
2-point rod control, m.s. zinc pl.					
					1000-U632

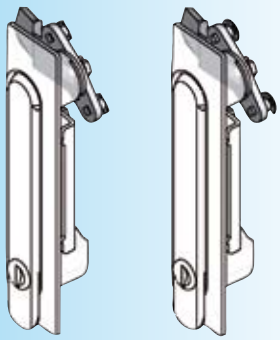
Version B: Cam m.s. zinc plated					
H	**RH**	**LH**	**H**	**RH**	**LH**
25	1000-U661-23	1000-U662-23	33	1000-U661-31	1000-U662-31
27	1000-U661-25	1000-U662-25	37	1000-U661-35	1000-U662-35
29	1000-U661-27	1000-U662-27	40	1000-U661-38	1000-U662-38
31	1000-U661-29	1000-U662-29	42	1000-U661-40	1000-U662-40
2-point rod control, m.s. zinc pl.					
					1000-U663

Cam with rivet pins
Stroke 26 mm
Program 1125, 1225



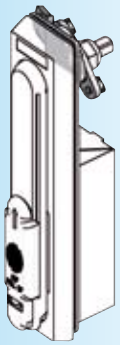


Version B: Cam m.s. zinc plated		
H	**RH**	**LH**
25	1107-U242-25	1107-U243-25



Further parts see page
Program 1150
– Rod
inside for swinghandle 1150 (3C-120) 3ZB-520
inside for swinghandle 1151 (3C-420) 3ZB-540
– Swinghandle 1150 3C-120
– Swinghandle 1151 3C-420

Program 1180
– Rod
inside 3ZB-620
– Swinghandle 1180 3E-320



Further parts see page
Program 1125
– Rod
inside 3ZB-440
– Swinghandle (Version C) 3B-320

Program 1225
– Rod
inside 3ZB-720
– Swinghandle 3G-320

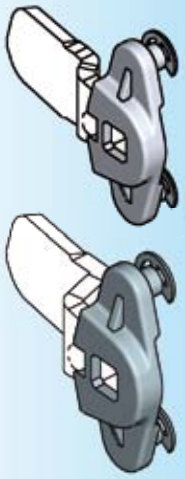
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Beschlagteile

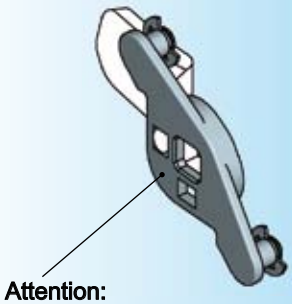
Rod control for cam

PROGRAM 1091, 1107, 1125 , 1150





Attention:
By using the rod control
the H-dimension of the cam
increases by 2 mm

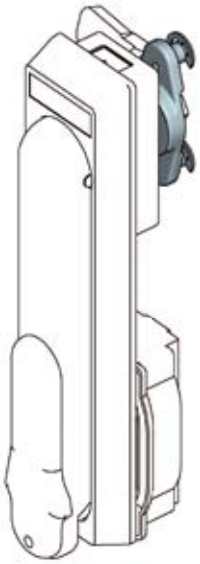


Attention:
Use only rod with eye!

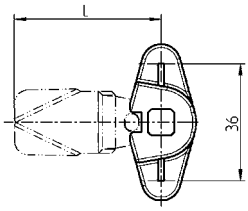
Further parts see page

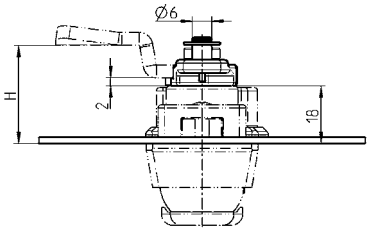
– Cam (GH=18)	1C-120 1C-140
– Rod	
inside	3ZB-120
(see note)	
Program 1091	
– Heavy duty latch	10A-640
Program 1107	
– Swinghandle	3A-120 3A-140 3A-320
up to	3A-420
Program 1125	
– Swinghandle (Version B)	3B-320
Program 1150	
– Swinghandle 1154	3C-220
– Swinghandle 1154 with WK2	3C-260

EDELSTAHL Rostfrei STAINLESS STEEL



Stroke 18 mm

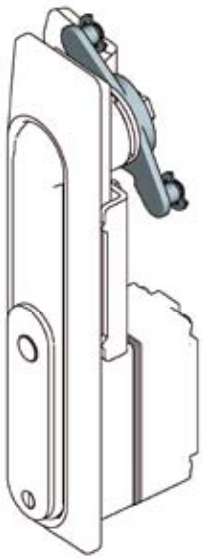




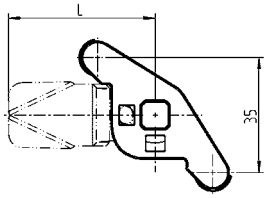
Note:
Rod for rod control combined with swinghandle 1125 double cylinder Version B and swinghandle 1154 with WK 2 on request only!

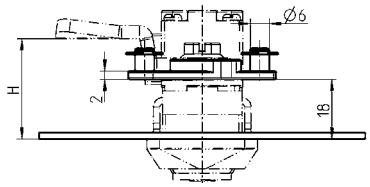
Rod control zinc die, zinc plated, circlip m.s. zinc plated	
	1107-U246
Rod control AISI 316	
	1107-U246-PH

EDELSTAHL Rostfrei STAINLESS STEEL



Stroke 35 mm

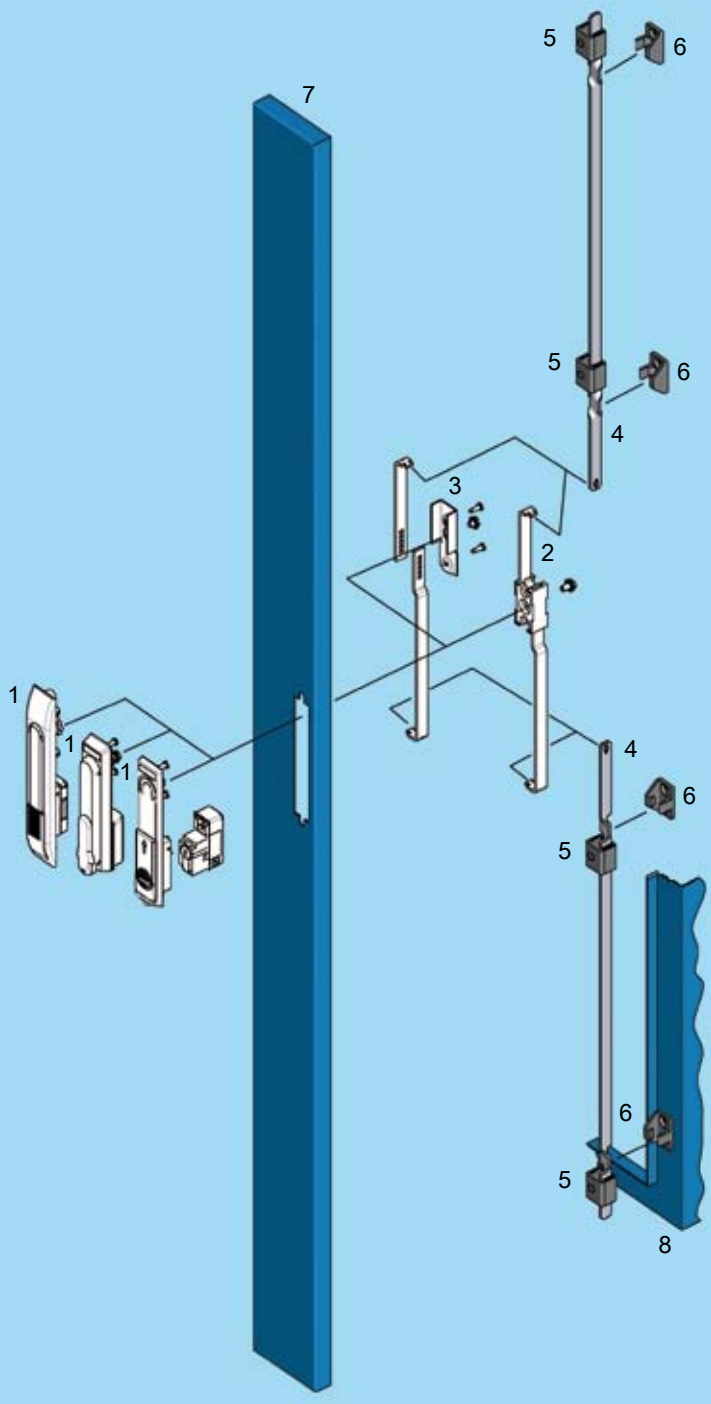




Note:
Rod for rod control combined with swinghandle 1125 double cylinder Version B and swinghandle 1154 with WK 2 on request only!

Rod control AISI 316	
	1150-U57

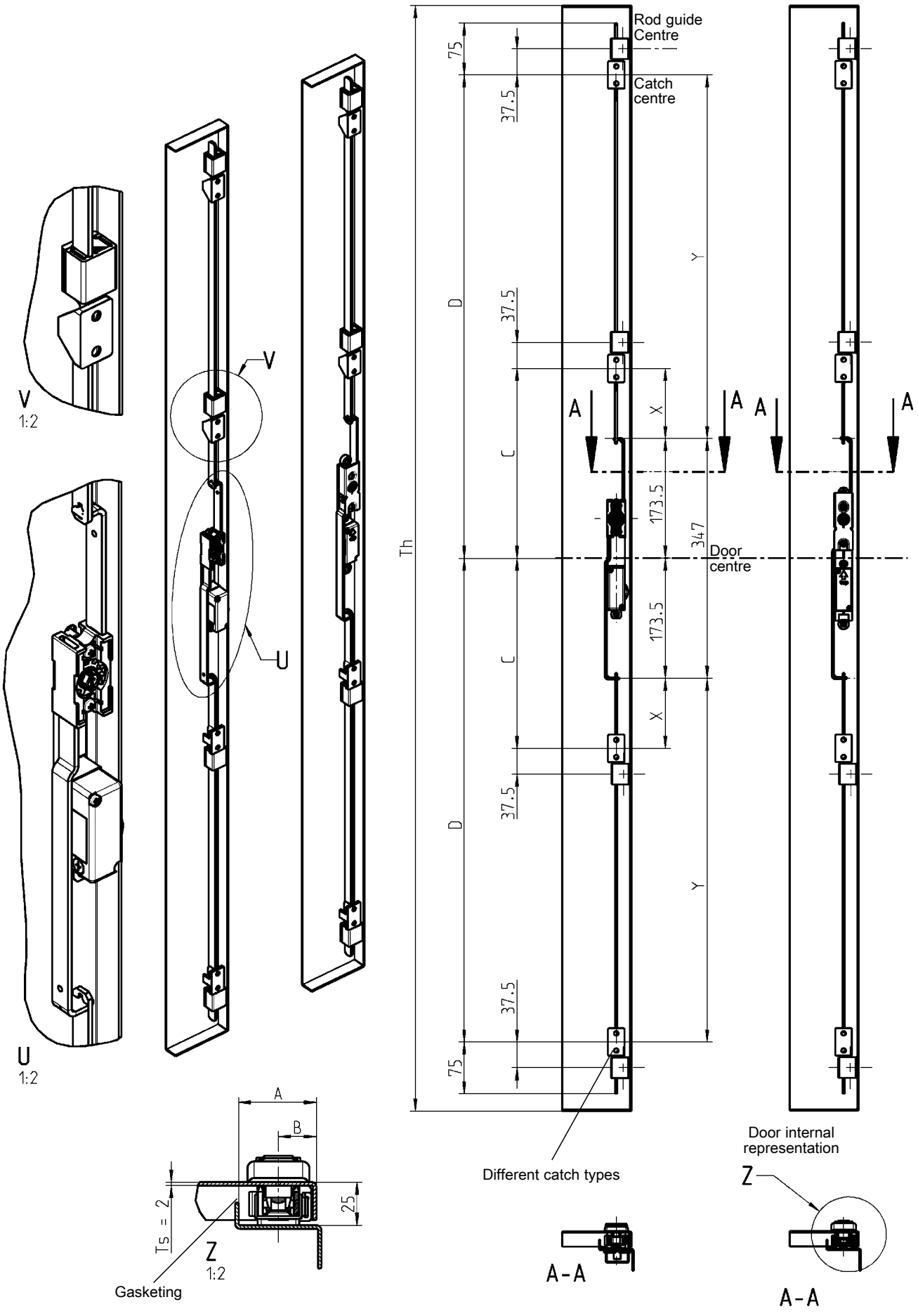
Rods for rod control and rod gear outside the gasketing Program 1125, 1150, 1160, 1180, 1190, 1225, 2100, 2300, 2400, 2600, 3000



1 Swinghandle and escutcheon program 1125, 1150, 1160,1180, 1190, 1225, 2100, 2300, 2400, 2600, 3000
2 Rod control
3 Rod control
4 Rod for rod control / rod gear (outside the gasketing)
5 Rod guide
6 Catches
7 Door
8 Cabinet/frame

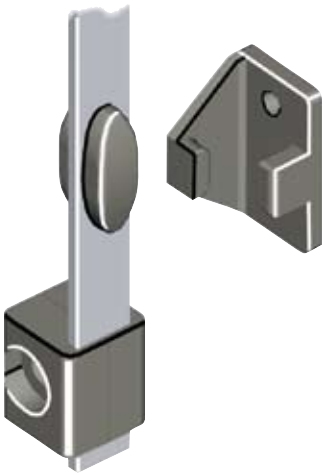
Rods

PROGRAM 1125, 1150, 1160, 1180, 1190, 1225, 2100, 3000



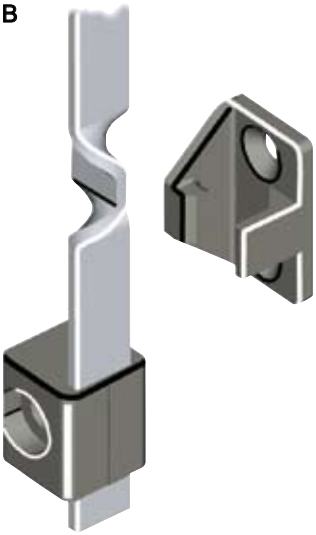
4 different locking systems

A



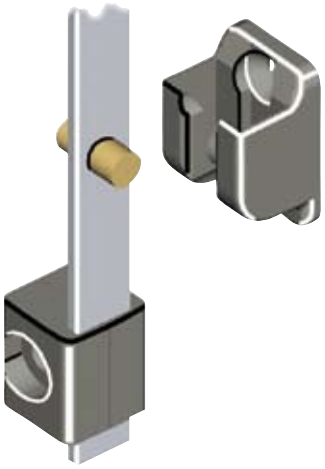
Rod with locking slider
see catalogue page 3ZA-220

B



Twisted rod
see catalogue page 3ZA-220

C



Rod with double rollers
see catalogue page 3ZA-260

D

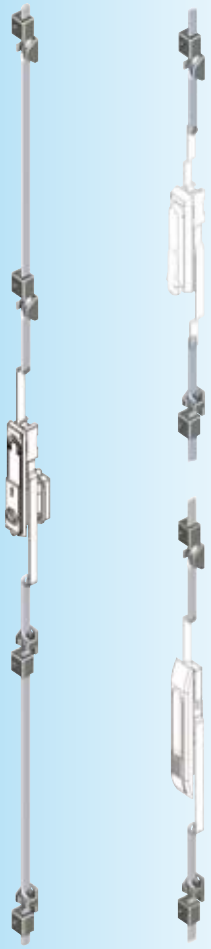


Rod with cut-out
see catalogue page 3ZA-260

Attention:
Suitable for use with the 90° turn - see catalogue page 3ZA-1120

PROGRAM	Dimension A	Dimension B
1125	45	23
1150	45	22
1160	45	22
1180	45	22
1190	42	20
1225	45	23
2100	45	22

RL



Further parts see page

– Rods with turn 3ZA-1120

Program 1160
– Swinghandle and escutcheon 3D-120 3D-140

Program 1180
– Swinghandle and escutcheon 3E-120 3E-140
– Rod control 3YA-480

Program 1190
– Swinghandle 3F-120
– Escutcheon 3F-220

Program 1125, 1150, 1225, 3000
– Rod control 3YA-120

Program 1150
– Rod control 3YA-420 3YA-440

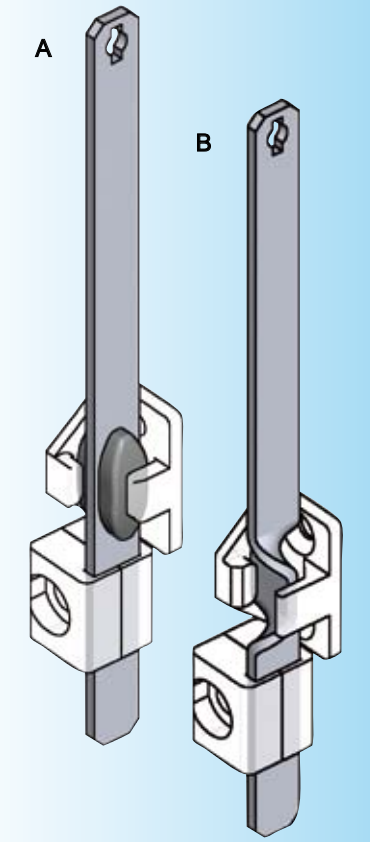
Program 2100
– Rod control 3YA-520

EMKA®

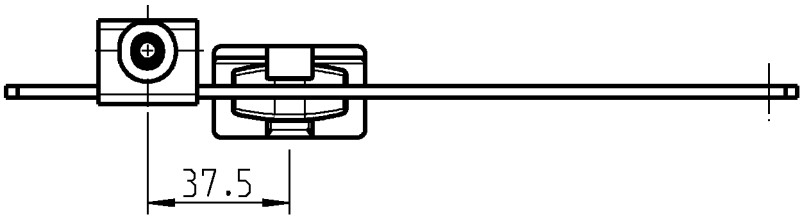
Beschlagteile

Overview of rods

PROGRAM 1125, 1150, 1160, 1180, 1190, 1225, 2100, 3000

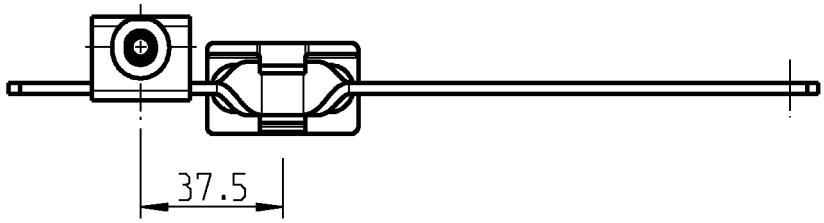


Note:
For dimensions see table on catalogue page 3ZA-120



A

Door height Th	Rods Dim. X	Rods Dim. Y	Locking points (door centre) Dim. C	Locking points (door centre) Dim. D	Rod Material	Rod Part no.
800-1200	–	126,5	–	300	m.s. alum. AISI 304	1121-U99 1121-U100 1121-U101
1200-1600	–	276,5	–	450	m.s. alum. AISI 304	1121-U105 1121-U106 1121-U107
1600-1900	101,5	526,5	275	700	m.s. alum. AISI 304	1121-U111 1121-U112 1121-U113
1900-2200	101,5	676,5	275	850	m.s. alum. AISI 304	1121-U117 1121-U118 1121-U119



B

Door height Th	Rods Dim. X	Rods Dim. Y	Locking points (door centre) Dim. C	Locking points (door centre) Dim. D	Rod Material	Rod Part no.
800-1200	–	126,5	–	300	m.s. alum. AISI 304	1121-71-01RA 1121-71-01TA 1121-71-01PC
1200-1600	–	276,5	–	450	m.s. alum. AISI 304	1121-71-03RA 1121-71-03TA 1121-71-03PC
1600-1900	101,5	526,5	275	700	m.s. alum. AISI 304	1121-71-05RA 1121-71-05TA 1121-71-05PC
1900-2200	101,5	676,5	275	850	m.s. alum. AISI 304	1121-71-07RA 1121-71-07TA 1121-71-07PC

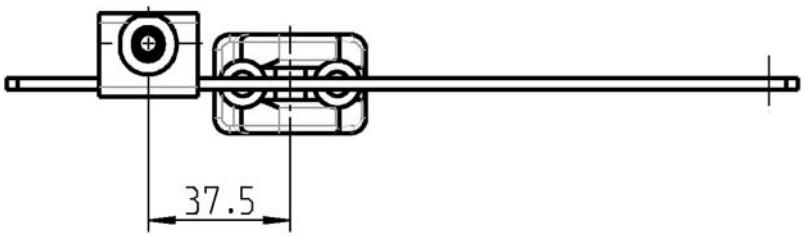
Further parts see page

– Catches	3ZA-1220
– Rod guide	3ZC-120 3ZC-140
Program 1160	
– Swinghandle and escutcheon	3D-120 3D-140
Program 1180	
– Swinghandle and escutcheon	3E-120 3E-140
– Rod control	3YA-480
Program 1190	
– Swinghandle	3F-120
– Escutcheon	3F-220
Program 1125, 1150, 1225, 3000	
– Rod control	3YA-120
Program 1150	
– Rod control	3YA-420 3YA-440
Program 2100	
– Rod control	3YA-520

Overview of rods

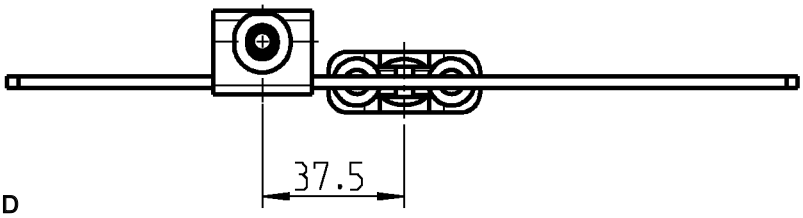
PROGRAM 1125, 1150, 1160, 1180, 1190, 1225, 2100, 3000

EDELSTAHL Rostfrei STAINLESS STEEL



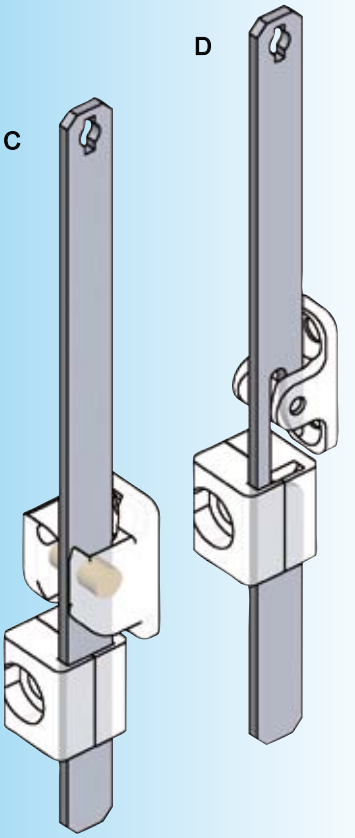
C

Door height Th	Rods Dim. X	Rods Dim. Y	Locking points (door centre) Dim. C	Locking points (door centre) Dim. D	Rod Material	Rod Part no.
800-1200	–	126,5	–	300	m.s. alum. AISI 304	1121-U155 on request on request
1200-1600	–	276,5	–	450	m.s. alum. AISI 304	1121-U158 on request on request
1600-1900	101,5	526,5	275	700	m.s. alum. AISI 304	1121-U161 on request on request
1900-2200	101,5	676,5	275	850	m.s. alum. AISI 304	1121-U164 on request on request



D

Door height Th	Rods Dim. X	Rods Dim. Y	Locking points (door centre) Dim. C	Locking points (door centre) Dim. D	Rod Material	Rod Part no.
800-1200	–	126,5	–	300	m.s. alum. AISI 304	1121-68-01RA – –
1200-1600	–	276,5	–	450	m.s. alum. AISI 304	1121-68-03RA – –
1600-1900	101,5	526,5	275	700	m.s. alum. AISI 304	1121-68-05RA – –
1900-2200	101,5	676,5	275	850	m.s. alum. AISI 304	1121-68-07RA – –



Note:
For dimensions see table on catalogue page 3ZA-120

Further parts see page
– Catches 3ZA-1220, 3ZA-1240
– Rod guide 3ZC-120, 3ZC-140

Program 1160
– Swinghandle and escutcheon 3D-120, 3D-140

Program 1180
– Swinghandle and escutcheon 3E-120, 3E-140
– Rod control 3YA-480

Program 1190
– Swinghandle 3F-120
– Escutcheon 3F-220

Program 1125, 1150, 1225, 3000
– Rod control 3YA-120

Program 1150
– Rod control 3YA-420, 3YA-440

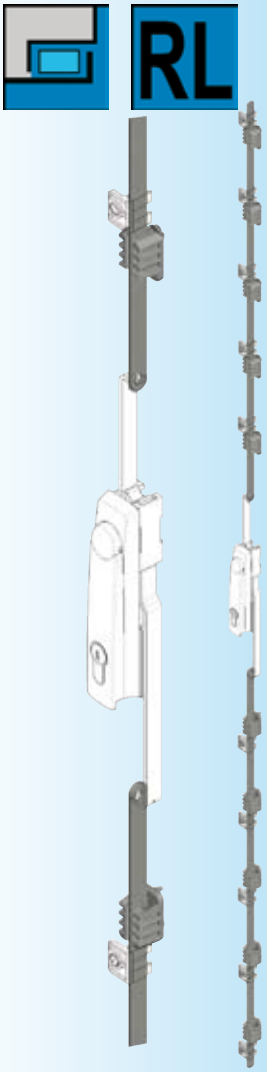
Program 2100
– Rod control 3YA-520

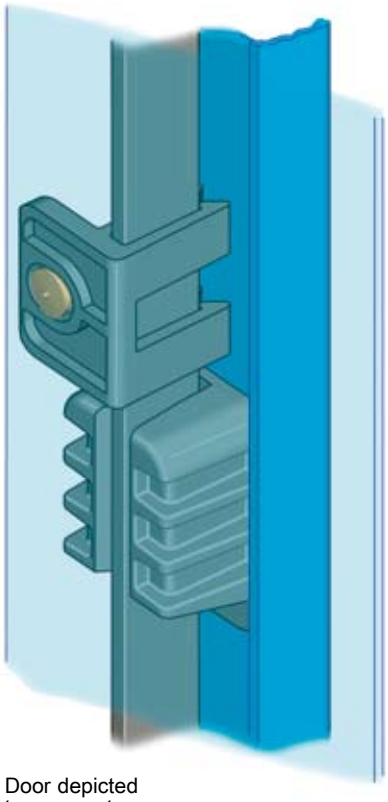
EMKA®

Beschlagteile

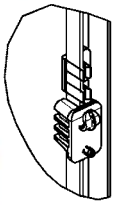
Rod in PA

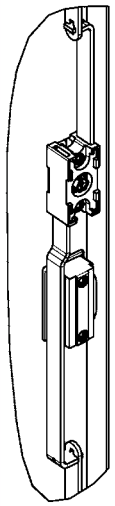
PROGRAM 1125, 1150, 1160, 1180, 1190, 1225, 2100, 3000

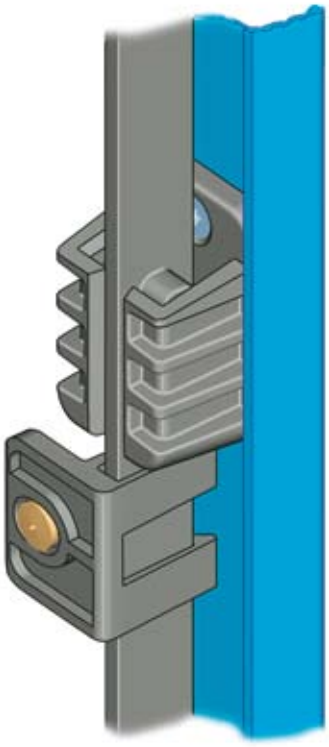




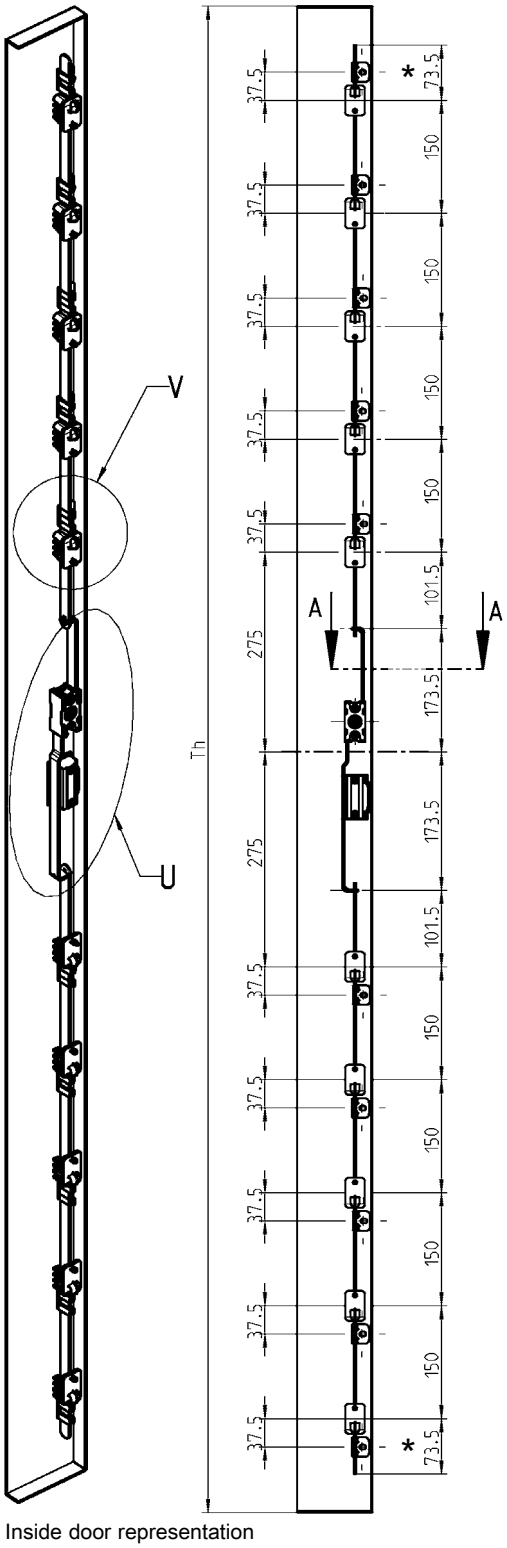
Door depicted transparent





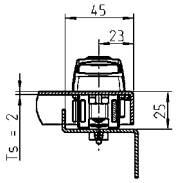


Depiction without door



Inside door representation

* = min length in case of shortened rods



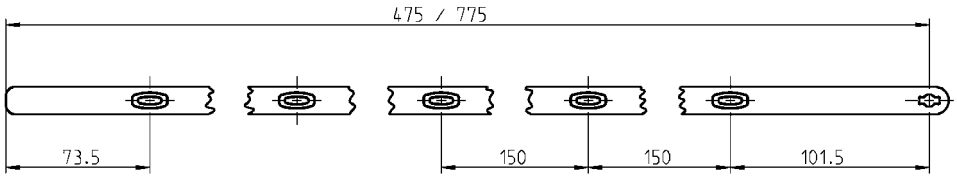
Rod with locking slider see catalogue page 3ZA-340

Further parts see page

– Catches	3ZA-340
– Rod guide	3ZC-120
	3ZC-140
Program 1160	
– Swinghandle and escutcheon	3D-120
	3D-140
Program 1180	
– Swinghandle and escutcheon	3E-120
	3E-140
– Rod control	3YA-320
Program 1190	
– Swinghandle	3F-120
– Escutcheon	3F-220
Program 1125, 1150, 1225, 3000	
– Rod control	3YA-120
Program 1150	
– Rod control	3YA-420
	3YA-440
Program 2100	
– Rod control	3YA-520

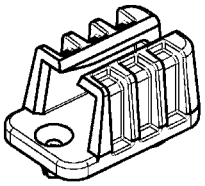
Rods, Catches

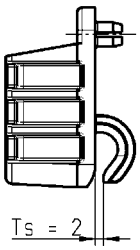
PROGRAM 1125, 1150, 1160, 1180, 1190, 1225, 2100, 3000

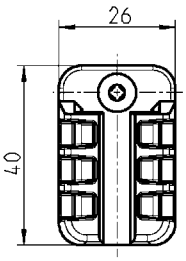


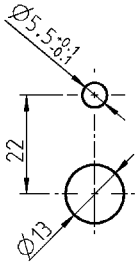


Rod with locking slider polyamide black			
Door height Th	**Locking points**	**Rod length**	* = Rod has to be shortened!
800-1300	2-3	475 *	1121-115
1300-1600	3	475	1121-115
1600-1900	4-5	775 *	1121-115-01
1900-2200	5	775	1121-115-01









Cut out

Catch polyamide black	
for counter sunk screw Ø 3,5 x 13	1121-116-01
Counter sunk screw 3,5 x 13	
	000104

Further parts see page
– Rod guide 3ZC-120, 3ZC-140

Program 1160
– Swinghandle and escutcheon 3D-120, 3D-140

Program 1180
– Swinghandle and escutcheon 3E-120, 3E-140
– Rod control 3YA-320

Program 1190
– Swinghandle 3F-120
– Escutcheon 3F-220

Program 1125, 1150, 1225, 3000
– Rod control 3YA-120

Program 1150
– Rod control 3YA-420, 3YA-440

Program 2100
– Rod control 3YA-520

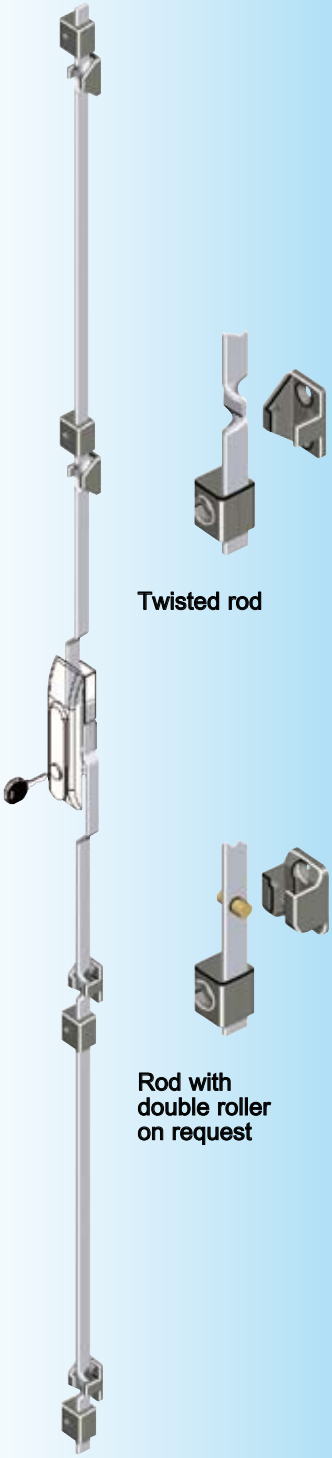
EMKA®

Beschlagteile

Twisted rod

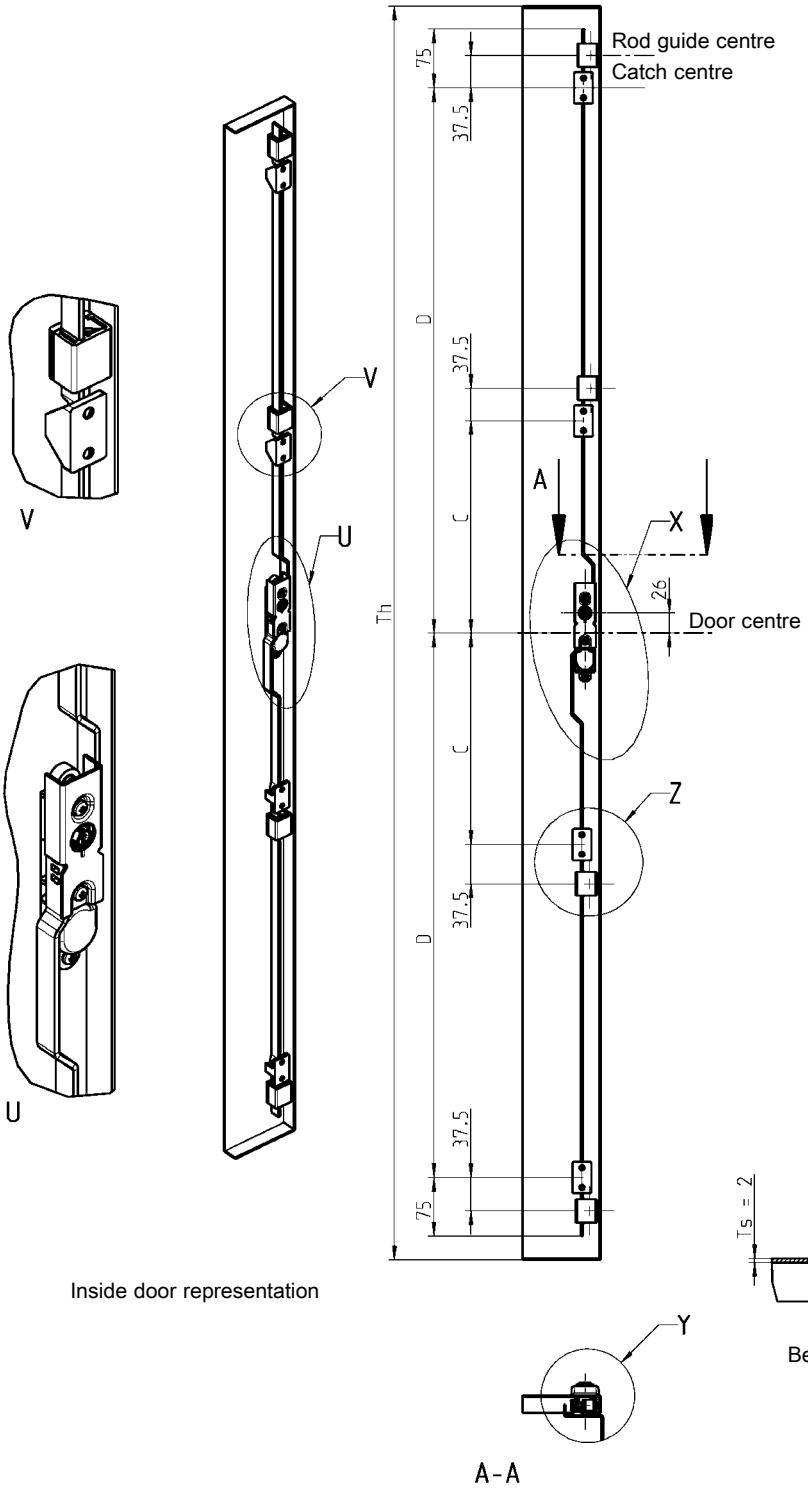
PROGRAM 1160

RL



Twisted rod

Rod with double roller on request



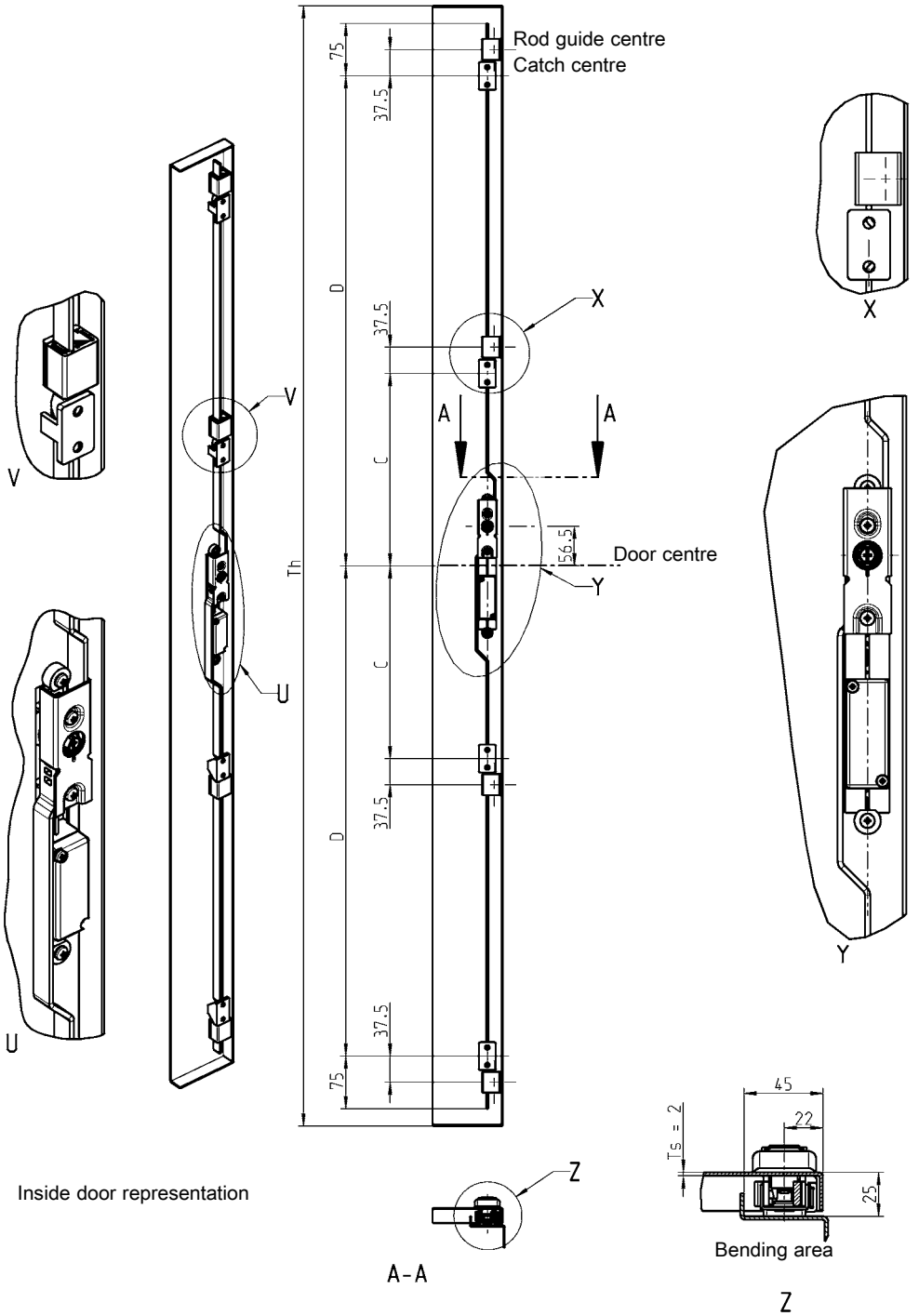
Door height	Locking points (door centre)		Part no. Rods Upper rod		Part no. Rods Lower rod	
Th	Dim. C	Dim. D	m.s. zinc pl.	alum.	m.s. zinc pl.	alum.
800-1200	–	300	1160-08-01RA	on request	1160-09-01RA	on request
1200-1600	–	450	1160-08-03RA	on request	1160-09-03RA	on request
1600-1900	275	700	1160-08-05RA	on request	1160-09-05RA	on request
1900-2200	275	850	1160-08-07RA	on request	1160-09-07RA	on request

Further parts see page
– Catches 3ZA-1220
– Rod guide 3ZC-120
3ZC-140

Program 1160
– Swinghandle and escutcheon 3D-220

Twisted rod

PROGRAM 1180



Inside door representation



Twisted rod



Rod with double roller on request



Door height	Locking points (door centre)		Part no. Rods Upper rod		Part no. Rods Lower rod	
Th	Dim. C	Dim. D	m.s. zinc pl.	alum.	m.s. zinc pl.	alum.
800-1200	–	300	1180-08-01RA	on request	1180-09-01RA	on request
1200-1600	–	450	1180-08-03RA	on request	1180-09-03RA	on request
1600-1900	275	700	1180-08-05RA	on request	1180-09-05RA	on request
1900-2200	275	850	1180-08-07RA	on request	1180-09-07RA	on request

Further parts see page

– Catches	3ZA-1220
– Rod guide	3ZC-120 3ZC-140

Program 1180

– Swinghandle and escutcheon	3E-220

EMKA®

Beschlagteile

Rods with cut out

PROGRAM 2300

EDELSTAHL Rost frei® STAINLESS STEEL

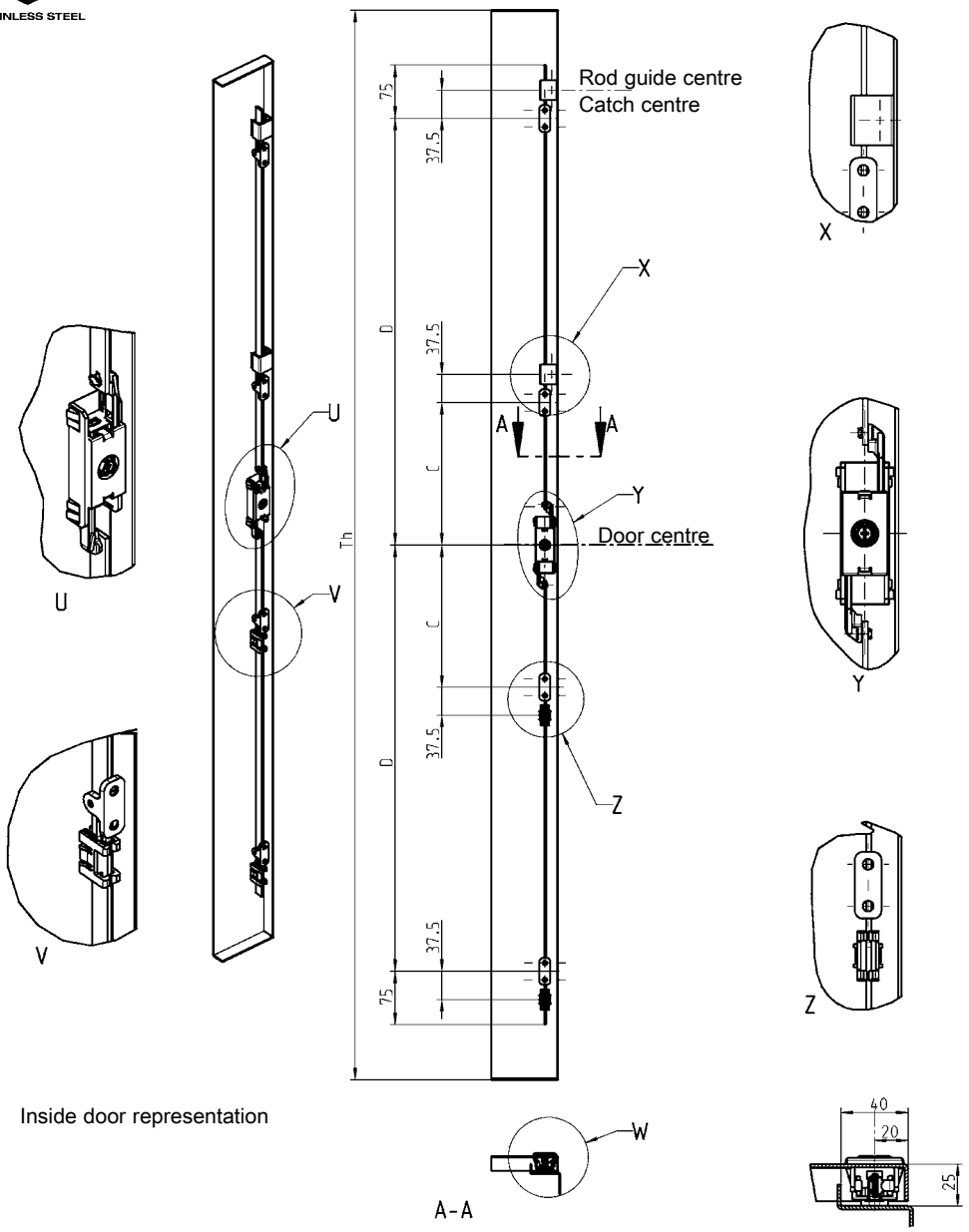
RL

INOX AISI 3..





Rod with cut out



Inside door representation

Door height	Locking points (door centre)		Part no. Rods Upper and Lower	
Th	Dim. C	Dim. D	m.s. zinc pl.	AISI 304
800-1200	–	300	2300-06-11RA	on request
1200-1600	–	450	2300-06-13RA	on request
1600-1900	275	700	2300-06-15RA	on request
1900-2200	275	850	2300-06-17RA	on request

Further parts see page

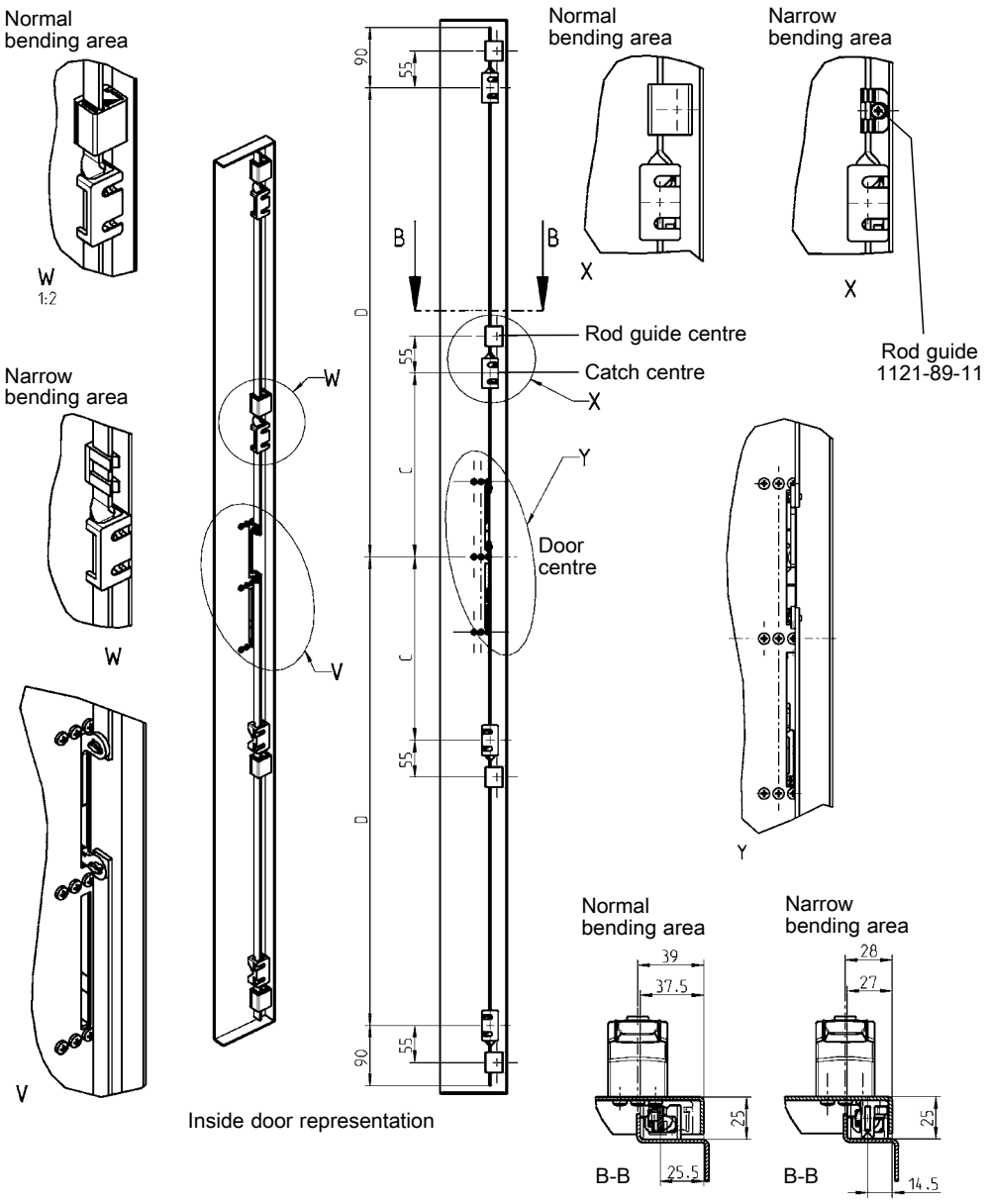
– Catches	3ZA-1220
– Rod guide	3ZC-120
	3ZC-140

Program 2300

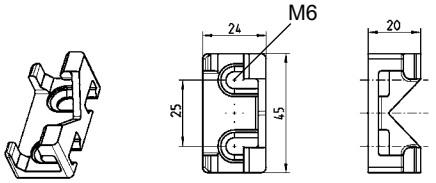
– Escutcheon	3J-120

twisted rod

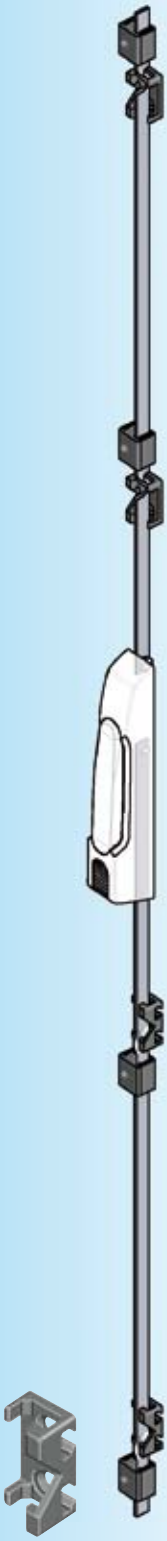
PROGRAM 2400



Door height	Locking points (door centre)		Part no. Rod	
			upper	lower
Th	Dim. C	Dim. D	of steel	of steel
800-1200	–	300	2400-U5-01	2400-U5-02
1200-1600	–	450	2400-U5-03	2400-U5-04
1600-1900	275	700	2400-U5-05	2400-U5-06
1900-2200	275	850	2400-U5-07	2400-U5-08



Catch zinc die black powder coated	
	2400-12



Further parts see page
– Rod guide 3ZC-120
3ZC-140

Program 2400
– Swinghandle 3K-120

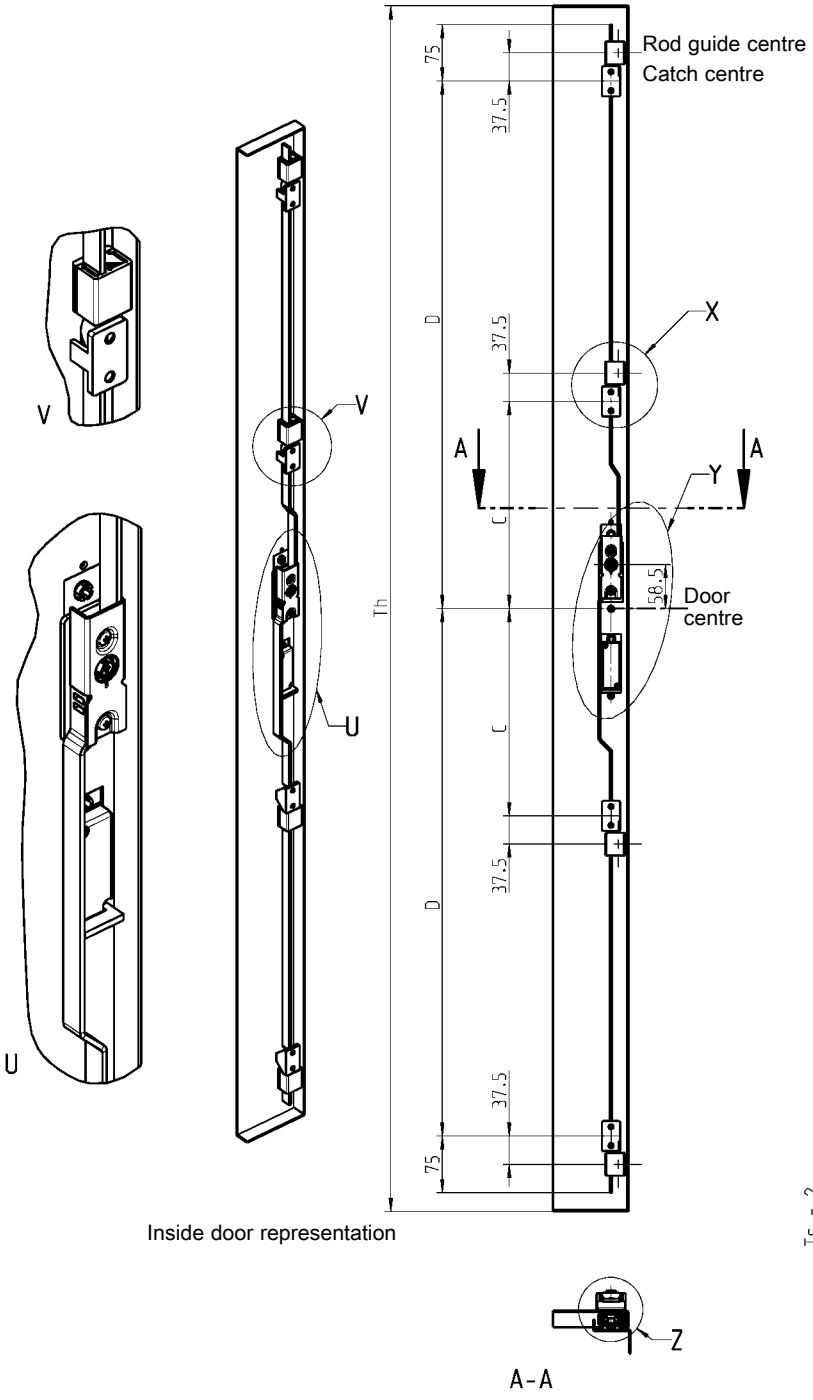
EMKA®

Beschlagteile

Twisted rod

PROGRAM 2400





Door height	Locking points (door centre)		Part No. Rods Upper rod		Part No. Rods Lower rod	
Th	Dim. C	Dim. D	m.s. zinc pl.	alum.	m.s. zinc pl.	alum.
800-1200	–	300	2400-19-01RA	on request	2400-18-01RA	on request
1200-1600	–	450	2400-19-03RA	on request	2400-18-03RA	on request
1600-1900	275	700	2400-19-05RA	on request	2400-18-05RA	on request
1900-2200	275	850	2400-19-07RA	on request	2400-18-07RA	on request

Further parts see page

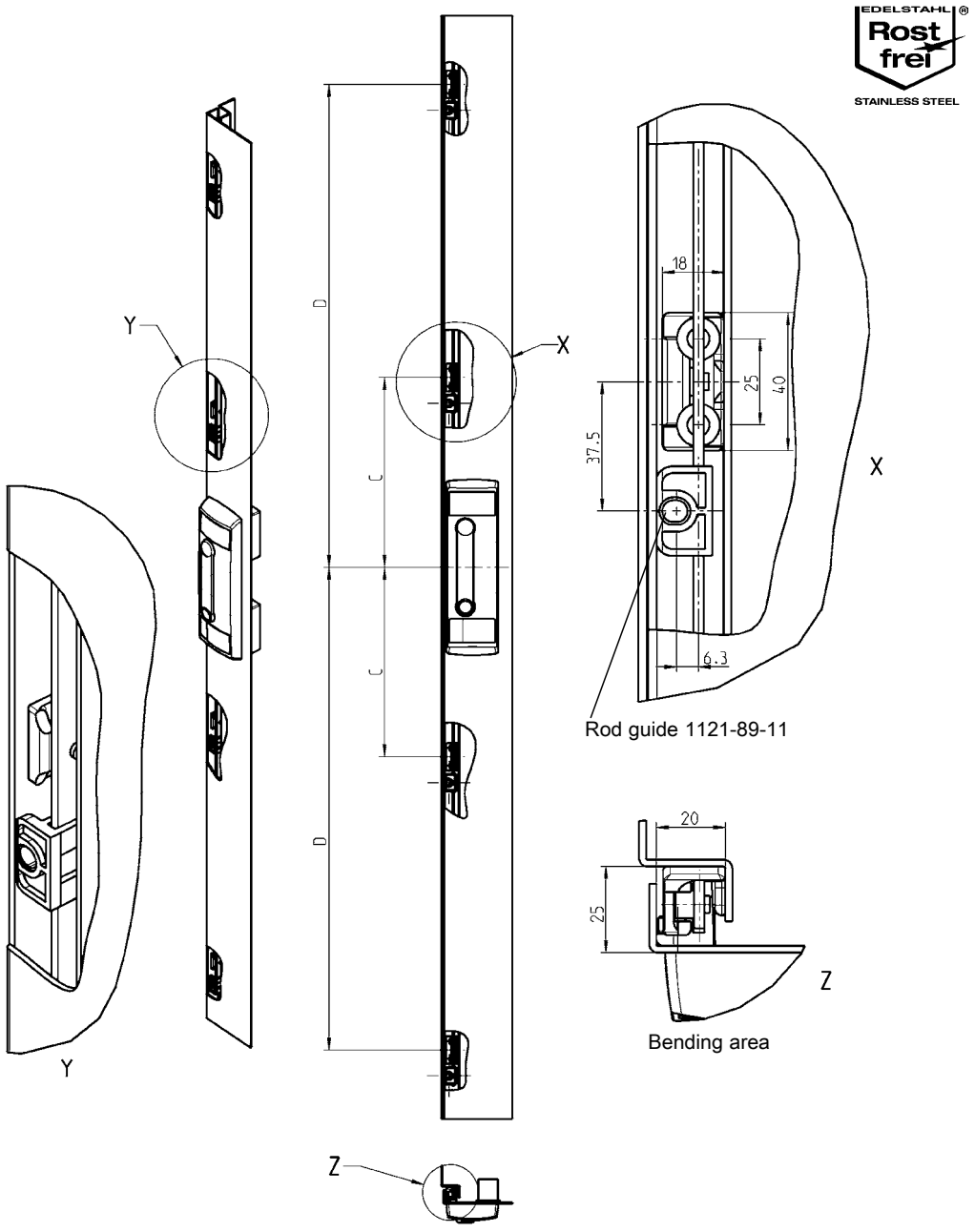
– Catches	3ZA-1220
– Rod guide	3ZC-120 3ZC-140

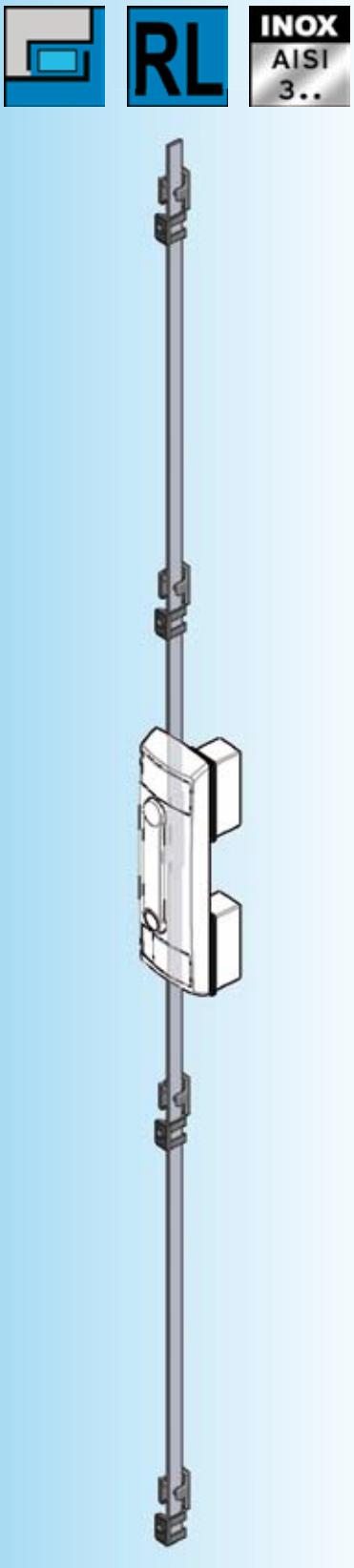
Program 2400

– Escutcheon	3K-220

Rod with roller

PROGRAM 2600





Catch zinc die black powder coated				
				2600-12
Rods m.s. zinc plated with roller (alu and AISI 304 on request)				
Door height	**Locking points (door centre)**		**Part No. Rod Upper rod**	**Part No. Rod Lower rod**
Th	**Dim. C**	**Dim. D**	**m.s.**	**m.s.**
800-1200	–	300	2600-U10-LI	–
one continuous rod			2600-U10-RE	–
1200-1600	–	450	2600-U11-01LI	2600-U11-02LI
two-piece rod			2600-U11-01RE	2600-U11-02RE
1600-1900	275	700	2600-U12-01LI	2600-U12-02LI
two-piece rod			2600-U12-01RE	2600-U12-02RE
1900-2200	275	850	2600-U13-01LI	2600-U13-02LI
two-piece rod			2600-U13-01RE	2600-U13-02RE

Further parts see page
– Rod guide 3ZC-120
(please only use 1121-89-11)

Program 2600
– Swinghandle 3L-120

EMKA®

Beschlagteile

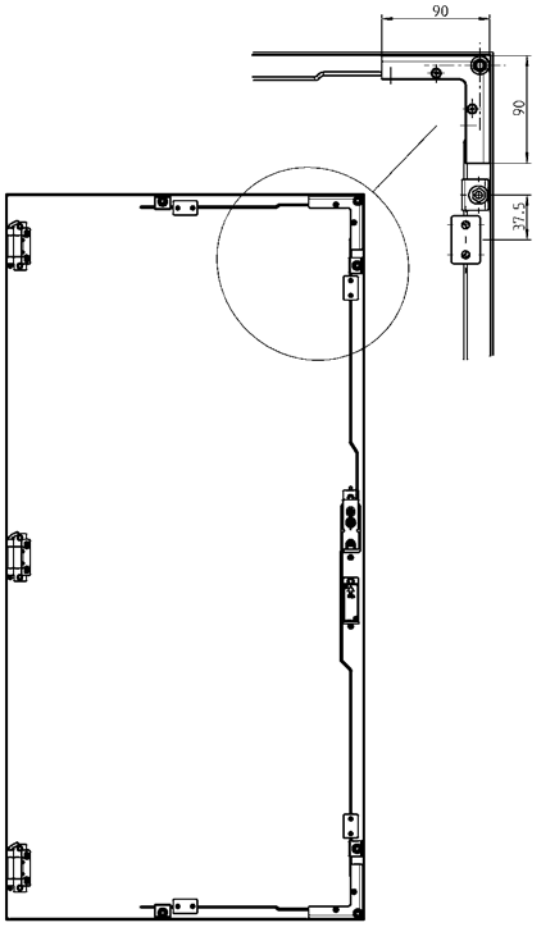
Notes:

90° Turn for rods

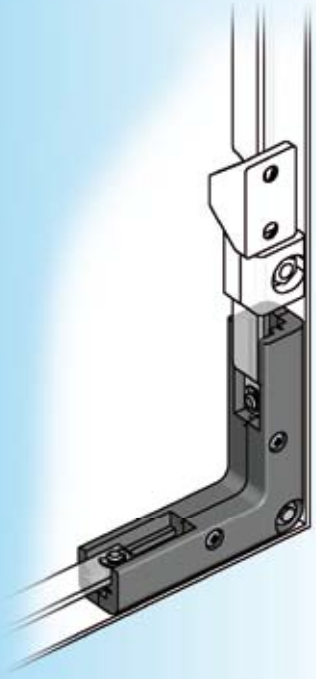
PROGRAM 1125, 1150, 1160, 1180, 1190, 1225, 2100

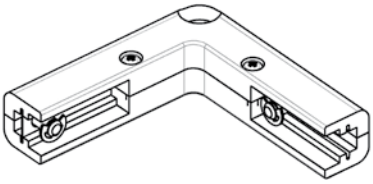


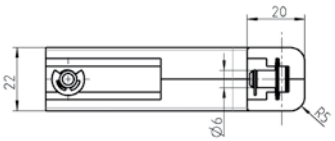
Door pictured transparent

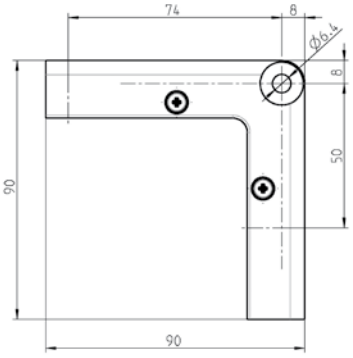


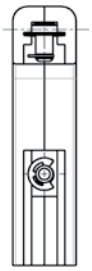
Inside door representation











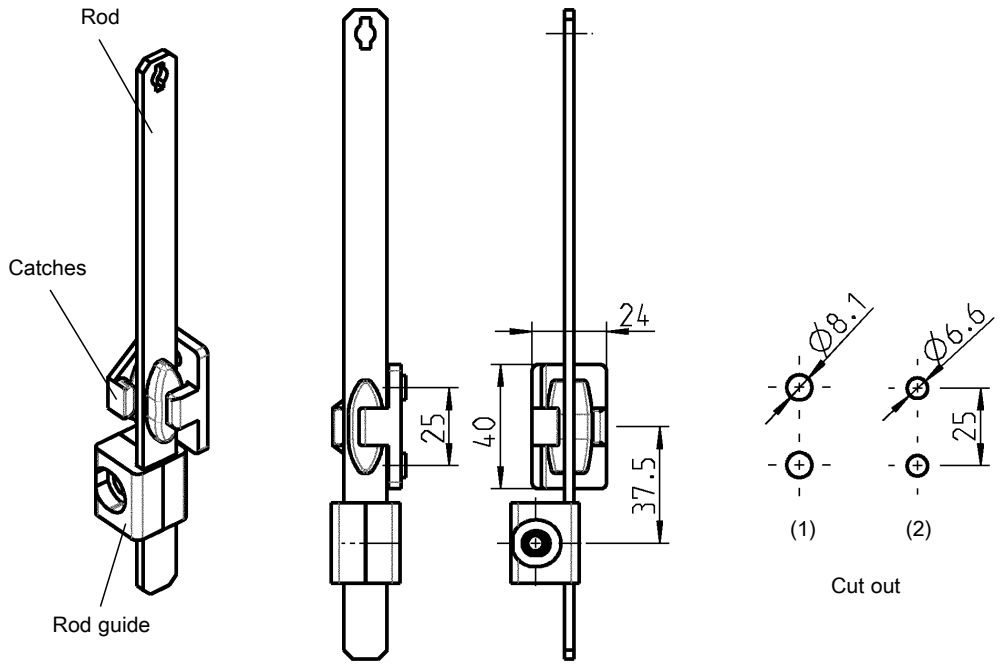
Rods suitable for program 1125, 1150, 1160, 1180, 1190, 1225, 2100, 2300, 2400 and 2600 individually on request!

Further parts see page
– Rods without 90° turn 3ZA-120

90° turn polyamide black, drive spring steel zinc plated	
for weld stud M6x20	1121-U170

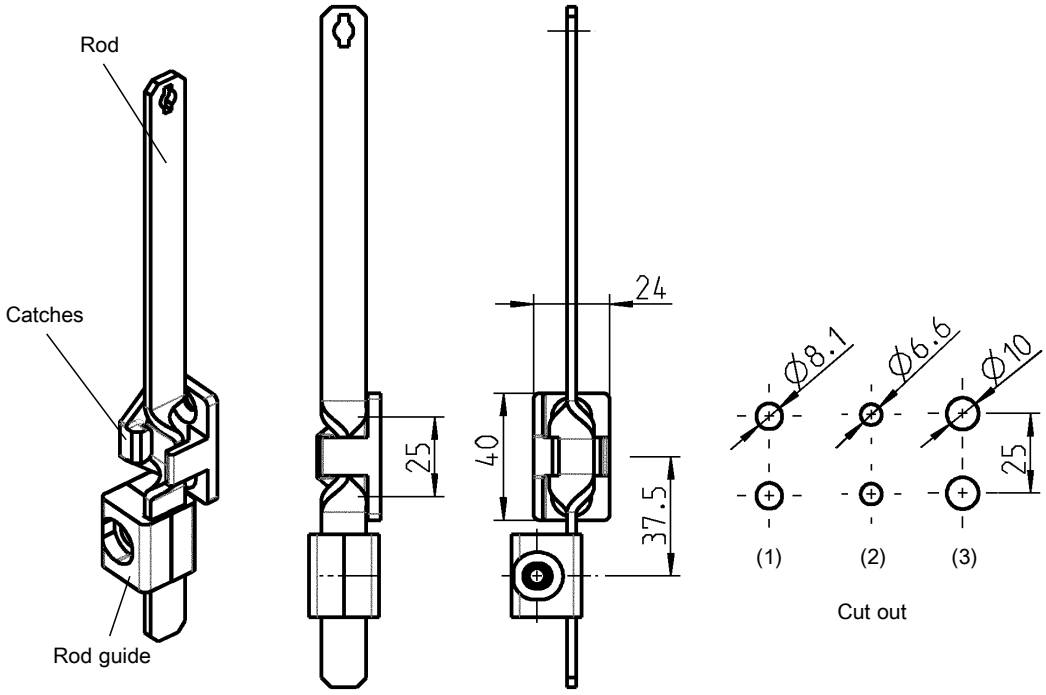
Catches

PROGRAM 1125, 1150, 1160, 1180, 1225, 2100, 2300, 2400, 2600, 3000



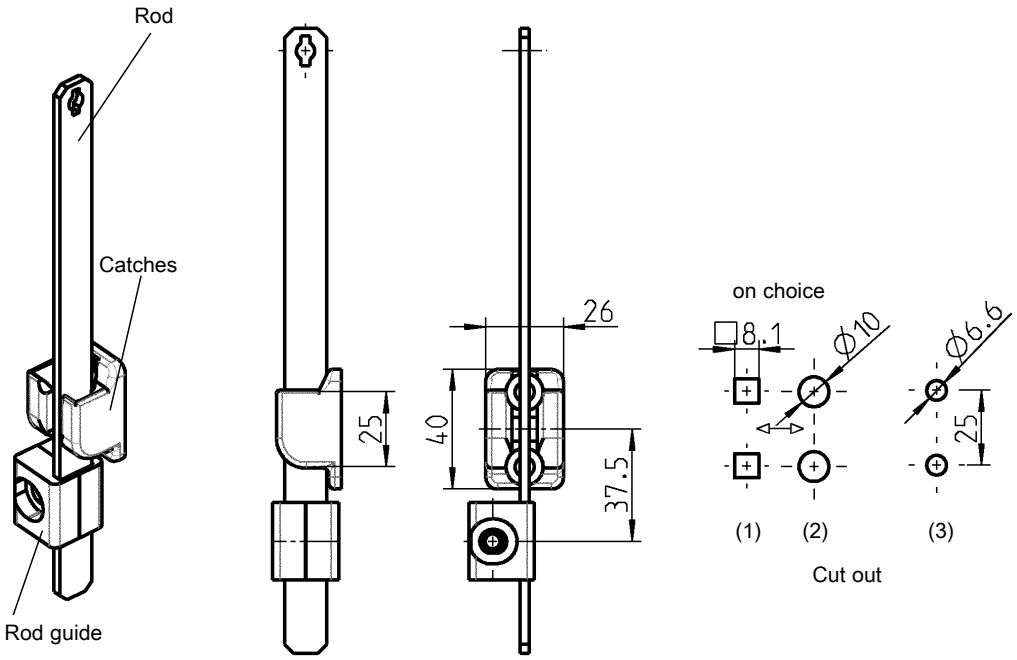
Catch interchangeable with hinge 120°, catalogue page 4A-190 or hinge 180° catalogue page 4A-210

Catch zinc die black powder coated for rod with locking slider		
with M6 female thread	(1)	1121-54-P
for counter sunk srew (2D-nut applicable)	(2)	1121-53-P

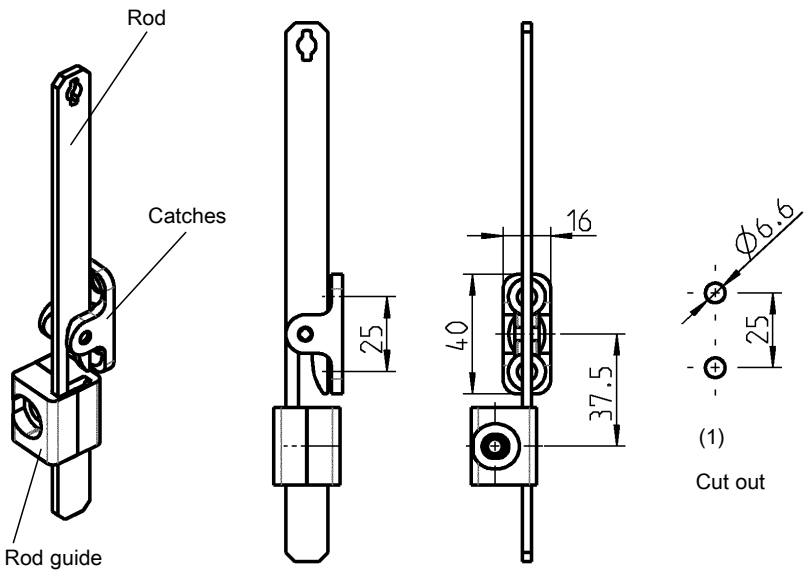


Catch interchangeable with hinge 120°, catalogue page 4A-190 or hinge catalogue page 4A-210

Catch zinc die black powder coated for twisted rod		
with M6 female thread	(1)	1121-70-01
for counter sunk screw M6 (2D-nut applicable)	(2)	1121-70
with clamping pin, polyamide black, Ts = 2,0	(3)	1121-U137
with M10 outside threat, nut m.s. zinc plated	(3)	1121-U152
Catch PA 6.6 GF 50 black for twisted rod		
for counter sunk screw M6 (2D-nut applicable)	(2)	1121-70-04SK



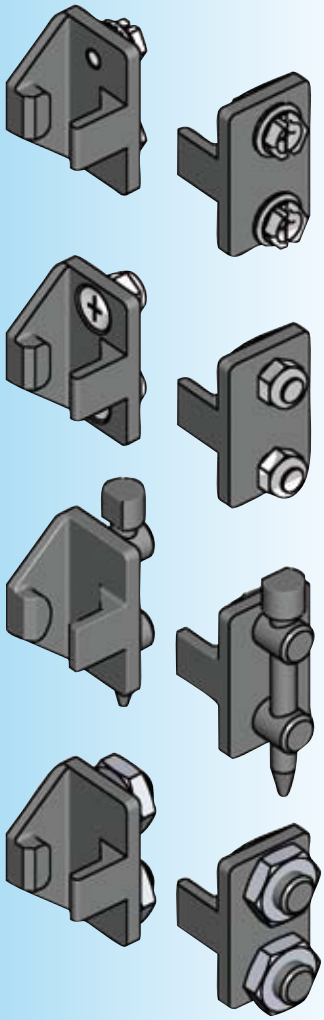
Catch zinc die black powder coated for rod with double roller		
with M6 female thread	(1) (2)	1121-18-01
for counter sunk screw M6 (2D-nut applicable)	(3)	1121-18-02



Catch interchangeable with hinge 120° catalogue page 4A-190 or hinge 180° catalogue page 4A-210

Catch zinc die black powder coated for rod with cut out		
for counter sunk screw M6 (2D-nut applicable)	(1)	1121-U76

4 different fixing possibilities



small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– 2D-nut 12E-120

Program 1125, 1150, 1160, 1180, 1190, 1225, 2100, 3000
– Rods 3ZA-120

Program 1160
– Rod locks 3ZA-420

Program 1180
– Lock rods 3ZA-520

Program 2300
– Rods 3ZA-620

Program 2400
– Rods 3ZA-720
3ZA-820

Program 2600
– Rods 3ZA-920

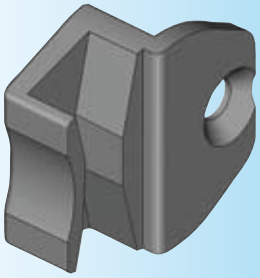
EMKA

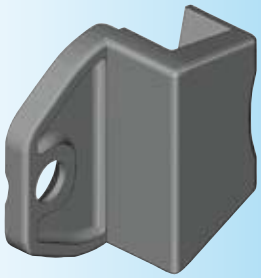
Beschlagteile

®Catch for rod with double roller or single roller

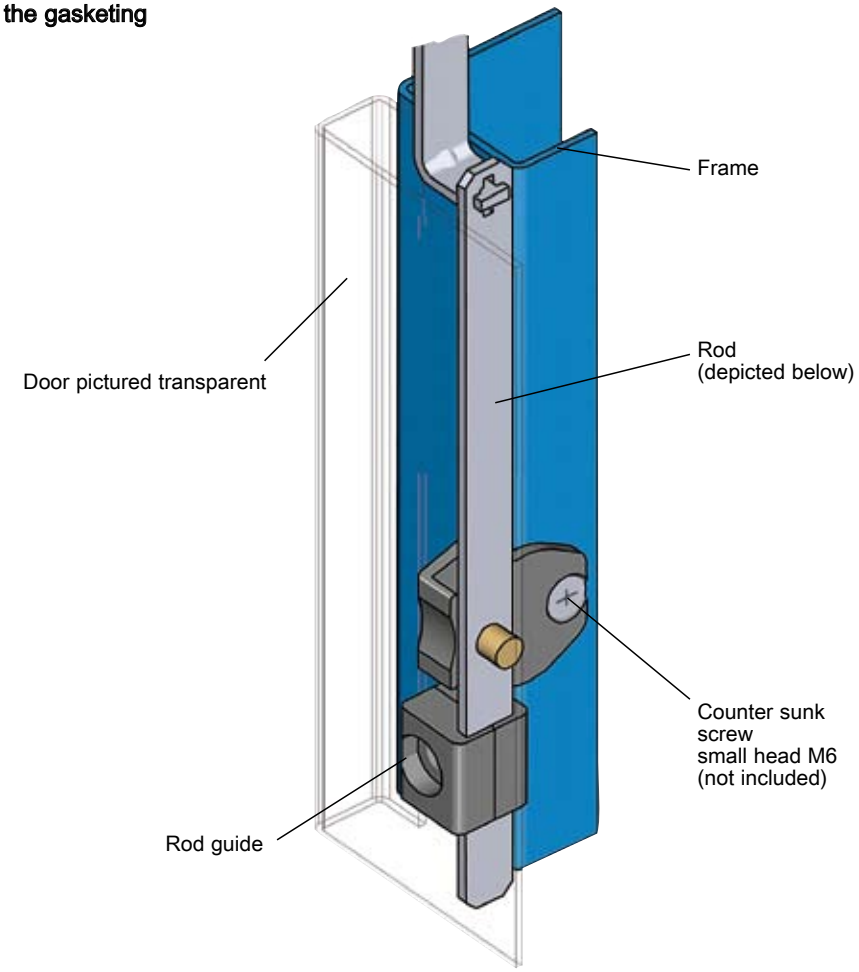
PROGRAM 1125, 1150, 1160, 1180, 1190, 1225, 2100, 3000

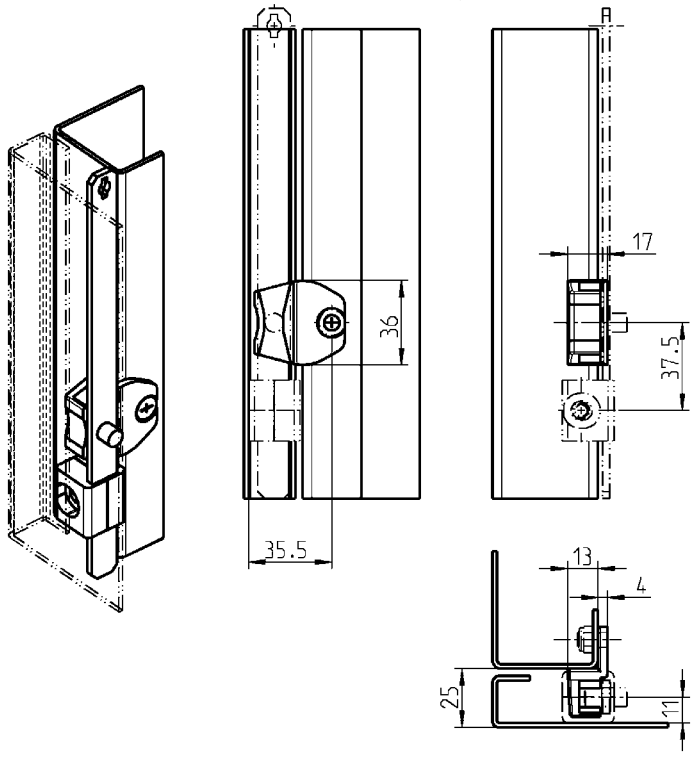
RL





Lateral fixing to the frame inside the gasketing





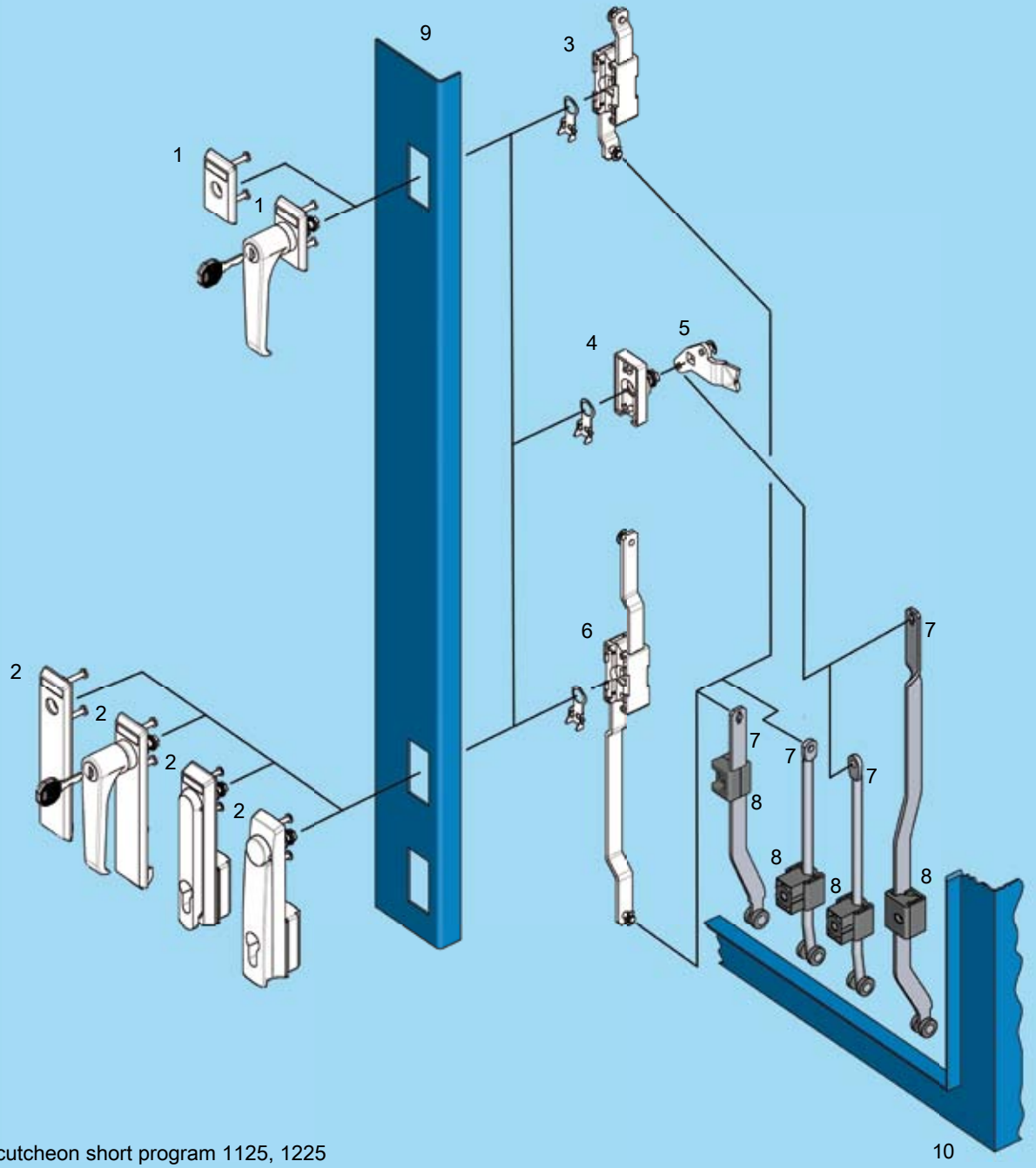
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page

Program 1125, 1150, 1160, 1180, 1190, 1225, 2100, 3000
– Rods 3ZA-260

Catch zinc die black powder coated	
	1121-108-AA

Rod
inside the gasketing
Program 1107, 1125, 1150, 1160, 1180, 1225, 2100, 3000



1 Escutcheon short program 1125, 1225
2 Swinghandle and escutcheon long program 1107, 1125, 1150, 1160, 1180, 1225, 2100, 3000
3 Rod control
4 Bearing bush
5 Cam
6 Rod control
7 Rod (inside the gasketing)
8 Rod guide
9 Door
10 Cabinet/frame

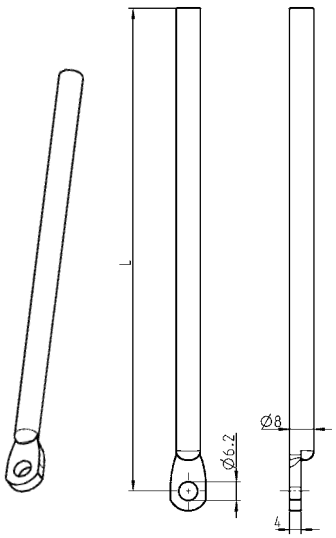


Rods

PROGRAM 1107, 1125, 1150, 1180, 1225, 2100, 2300, 3000

Use:
Program 1125, 1150, 1225, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

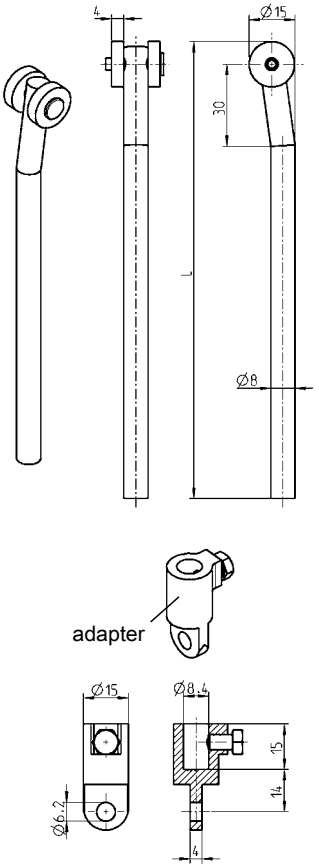
Program 1107, 1125, 1180, 1225, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Round rod with eye m.s. zinc pl.	
L in mm	
400	1000-33
500	1000-34
600	1000-35
700	1000-36
800	1000-37
900	1000-38
1000	1000-39
1100	1000-114
1200	1000-115

Use:
Program 1125, 1150, 1225, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

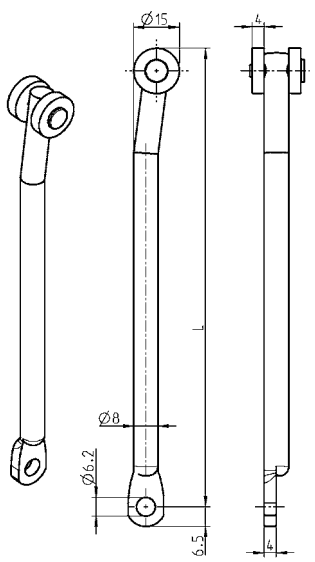
Program 1107, 1125, 1180, 1225, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Round rod m.s. zinc plated or AISI 304 with roller polyamide black		
L in mm	**m.s. zinc pl.**	**AISI 304**
600	1049-U3	1049-U12
700	1049-U4	1049-U13
800	1049-U5	1049-U14
900	1049-U6	1049-U15
1000	1049-U7	1049-U16
1100	1049-U8	1049-U17
1200	1049-U9	–
adapter	**zinc die, m.s. zinc plated**	**AISI 303**
	1000-U49	1000-U141

Use:
Program 1125, 1150, 1225, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

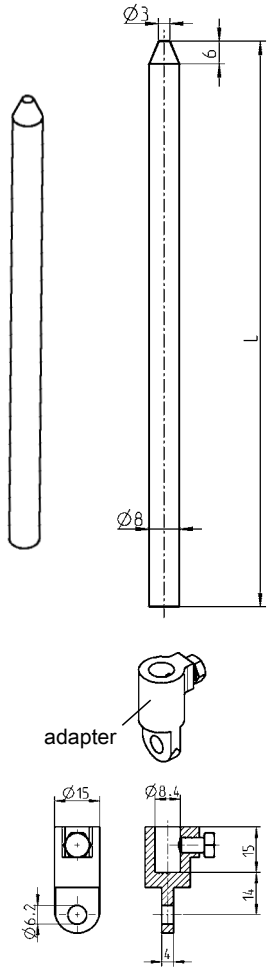
Program 1107, 1125, 1180, 1225, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Round rod with eye, material on choice, rollers polyamide black
m.s. zinc plated for rod control
1121-U30-L mm
(1121-U30-01 to -08 see price list)
m.s. zinc plated for cam (Eye turned by 90°)
1000-U144-L mm
(1000-U144-01 to -17 see price list)
AISI 304 for cam (Eye turned by 90°)
1000-U538-L mm
(1000-U538-01 to -09 see price list)

Use:
Program 1125, 1150, 1225, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

Program 1107, 1125, 1180, 1225, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Round rod with pointed end, m.s. zinc plated
1049-19-L mm
(1049-19-01 to -17 see price list)
Adapter zinc die zinc plated
1000-U49

EDELSTAHL Rostfrei® STAINLESS STEEL

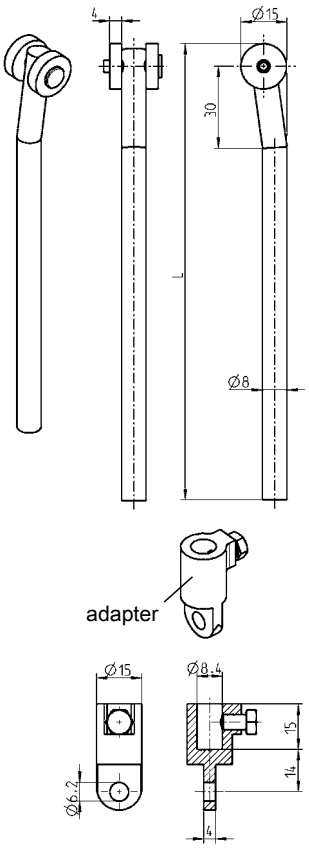
Minimum order quantity: 200 pieces
Lower quantities on request!

L ≤ 1200

Order example: Article number for a rod with rollers and a length of 1034 mm = 1049-U18-L 1034

Use:
Program 1125, 1150, 1225, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

Program 1107, 1125, 1180, 1225, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120

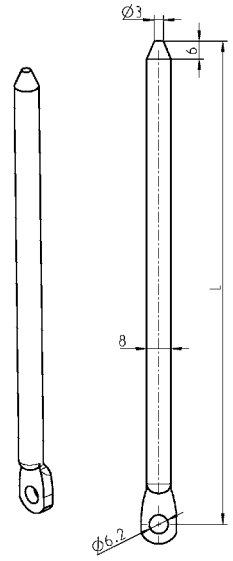


Round rod m.s.zinc plated, with rollers polyamide black
1049-U18-L mm
(1049-U18-01 to -17 see price list)

Adapter zinc die zinc pl.
1000-U49

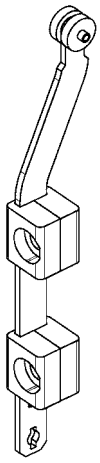
Use:
Program 1125, 1150, 1225, 3000
– Rod control 3YA-140
(Version B) 3YA-160
3YA-180
3YA-240

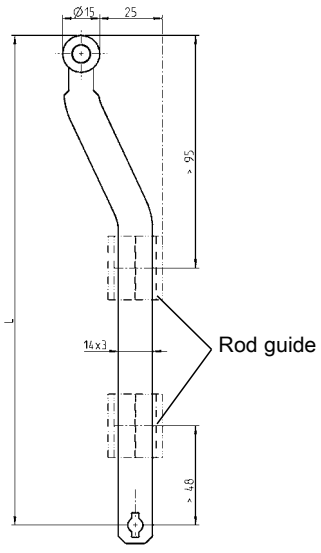
Program 1107, 1125, 1180, 1225, 2100, 3000
– Cam 3YB-420
3YB-440
3YC-120



Round rod with eye and pointed end, m.s. zinc plated
1000-211-L mm
(1000-211-01 to -17 see price list)

Use:
Program 1125, 1150, 1160, 1180, 1225, 2100, 2300, 3000
– Rod control 3D-120
3D-140
3E-120
3E-140
3J-120
3YA-120
3YA-160
3YA-180
3YA-220
3YA-420
3YA-520
3YA-540





Flat rod m.s. zinc pl. with rollers polyamide black
1121-U28-L mm
(1121-U28-01 to -08 see price list)

Flat rod without hole L = 1007.5
1121-U148



Further parts see page
Rod guide
for flat rod 3ZC-120
up to 3ZC-160
for round rod 3ZC-220

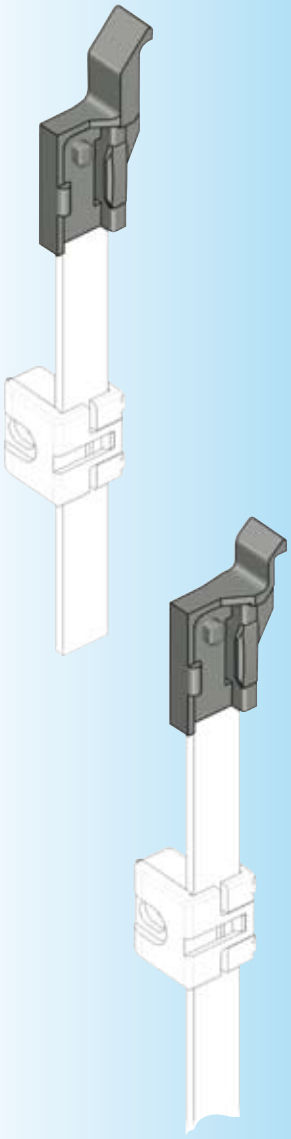
EMKA®

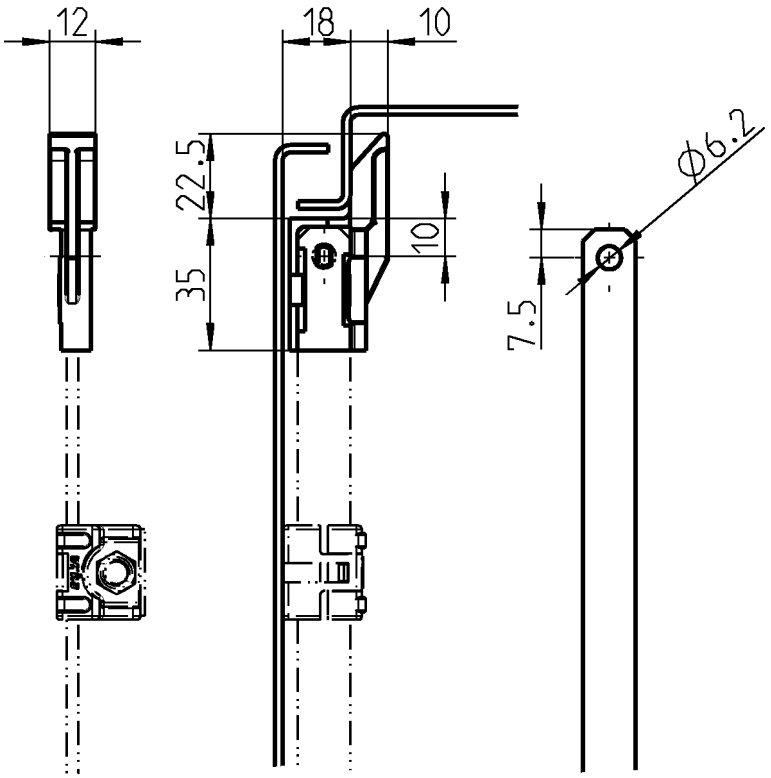
Beschlagteile

Shoe for flat rod

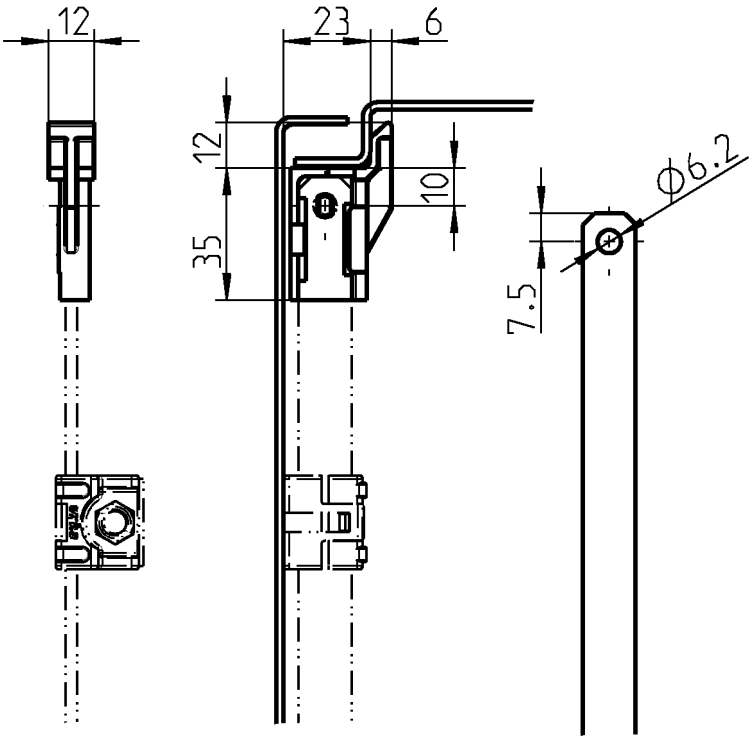
PROGRAM 1125, 1150, 1160, 1180, 1225, 2100, 2300, 3000







Shoe polyamide black	
long version	1121-112



Shoe polyamide black	
short version	1121-113

Further parts see page

– Rod guide for flat rods 3ZC-120 up to 3ZC-160

– Rod on request

Program 1125, 1150, 1160, 1180, 1225, 2100, 2300, 3000

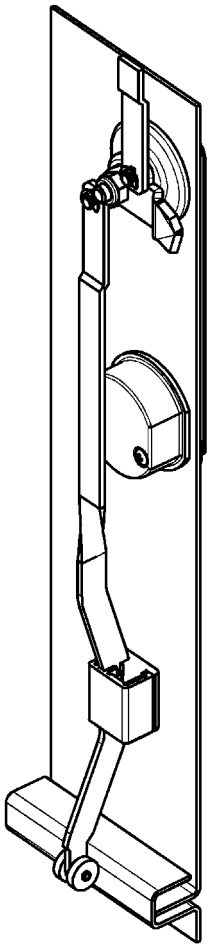
– Rod control
3D-120
3D-140
3E-120
3E-140
3J-120
3YA-120
3YA-160
3YA-180
3YA-220
3YA-420
3YA-520
3YA-540

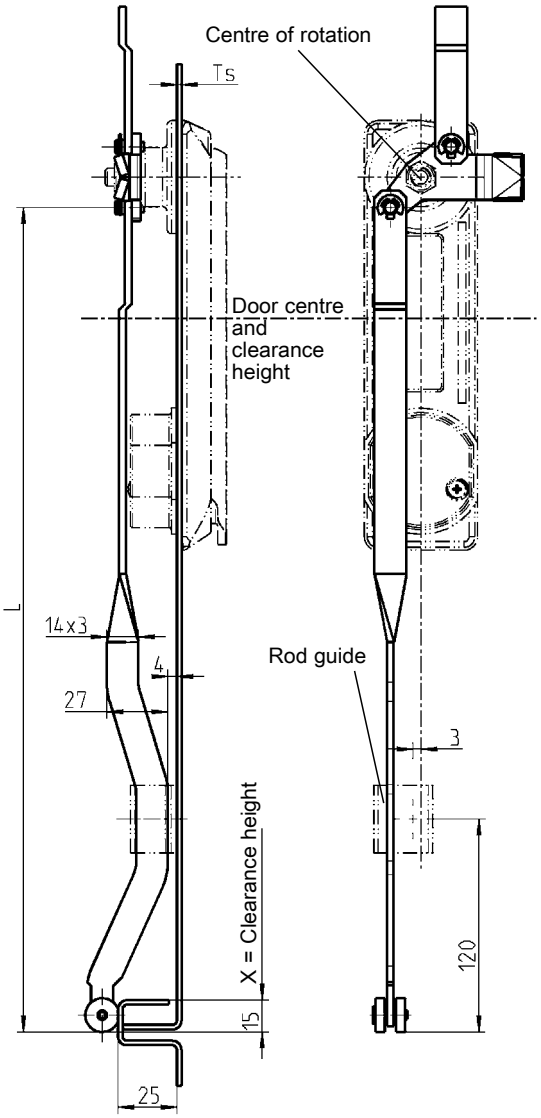
Rod for cam stroke 26 mm

PROGRAM 1107

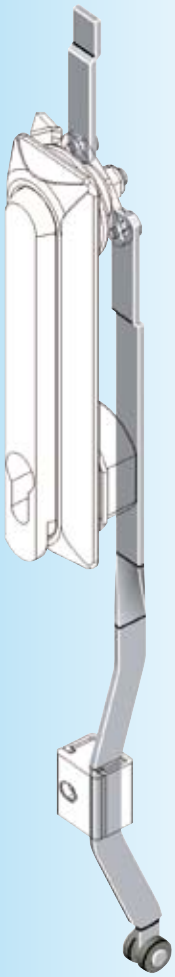
Minimum order quantity: 200 pieces
Lower quantities on request

How to find dim. L		Swinghandle long	Swinghandle short
Upper rod	$L = \frac{X}{2}$	– 63	- 50,5
Lower rod	$L = \frac{X}{2}$	+ 67	+ 54,5
Centre of rotation on door centre, upper and lower rods are the same length	$L = \frac{X}{2} + 2$		





Ts = 2
other door gauges on request



Note:
Swinghandle with cut-out
Hole distance
130 mm = long
105 mm = short

Further parts see page
– Rod guide 3ZC-120
up to 3ZC-160

Program 1107
– Cam with stroke 26 3YC-120

Flat rod m.s. zinc pl. with rollers polyamide black	
	1121-U144-L mm
	(1121-U144-01 to -08 see price list)

EMKA®

Beschlagteile

Rods for cams with stroke 26 mm

PROGRAM 1125, 1225, 3000

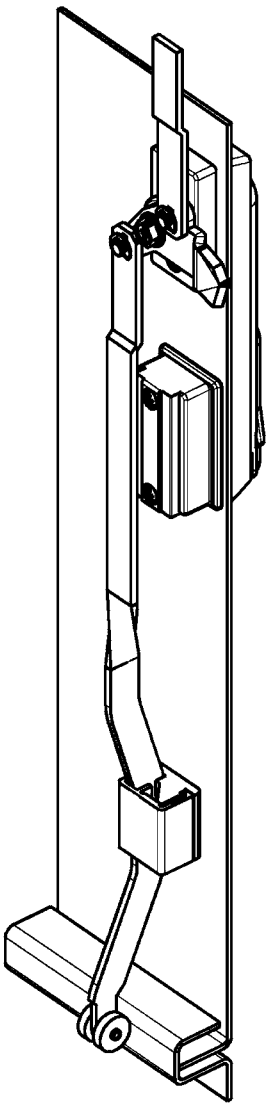
RL



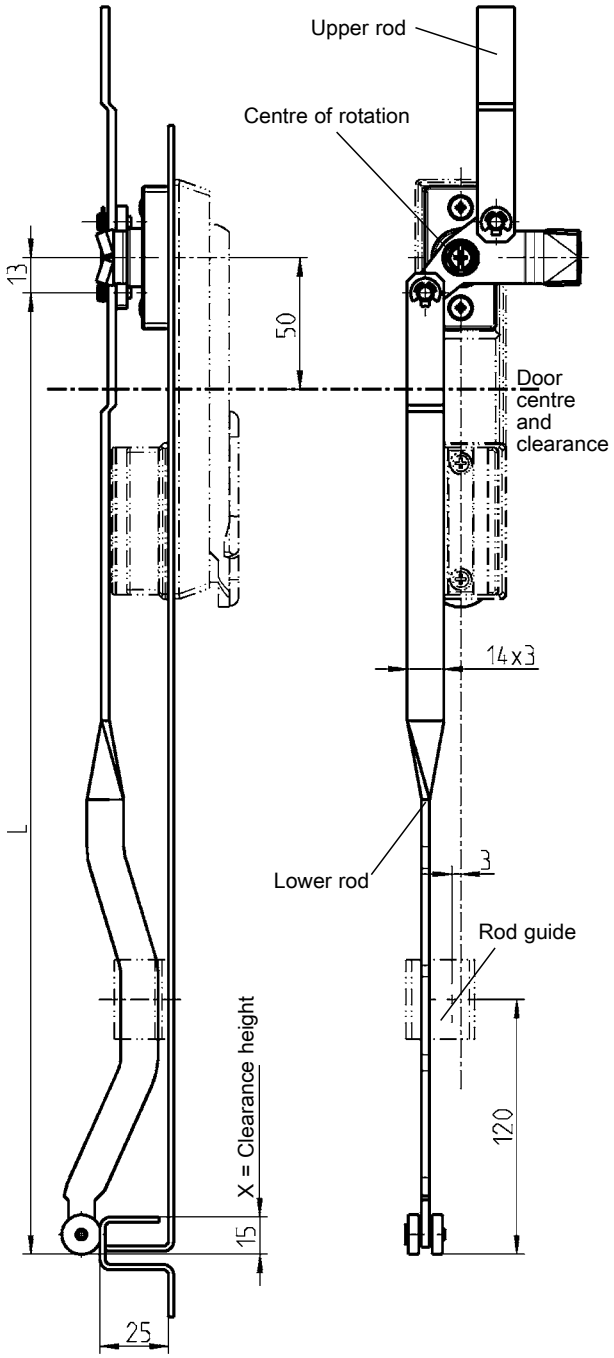
Minimum order quantity: 200 pieces
Lower quantities on request

How to find dimension L

Upper rod	$L = \frac{X}{2} - 48$	
Lower rod	$L = \frac{X}{2} + 52$	
Centre of rotation on door centre, upper and lower rods the same length	$L = \frac{X}{2} + 2$	



Ts = 2
Other door gauges on request



Flat rod m.s. zinc pl. with rollers polyamide black

	1121-U144-L mm
	(1121-U144-01 to -08 see price list)

Further parts see page
– Rod guide 3ZC-120 up to 3ZC-160

Program 1125, 1225, 3000
– Cam with stroke 26 3YB-420

Rods for cams with stroke 26 mm

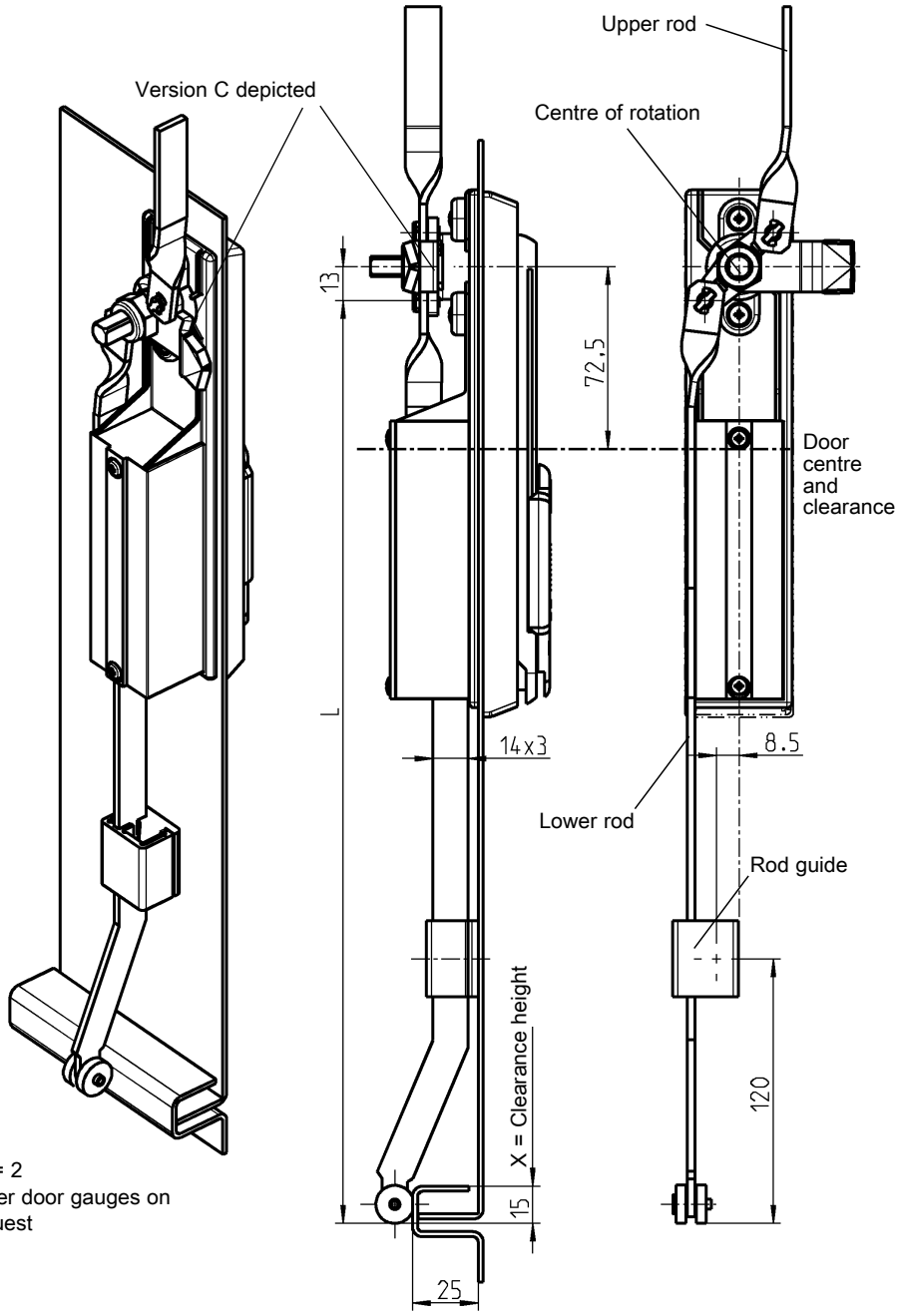
PROGRAM 1125

EMKA Beschlagteile

Minimum order quantity: 200 pieces
Lower quantities on request

How to find dim. L

Upper rod	$L = \frac{X}{2}$	– 70,5
Lower rod	$L = \frac{X}{2}$	+ 74,5
Centre of rotation on door centre, upper and lower rods the same length	$L = \frac{X}{2}$	+ 2



Ts = 2
Other door gauges on request



Further parts see page
– Rod guide 3ZC-120 up to 3ZC-160

Program 1125
– Cam with stroke 26 3YC-120 3YC-140

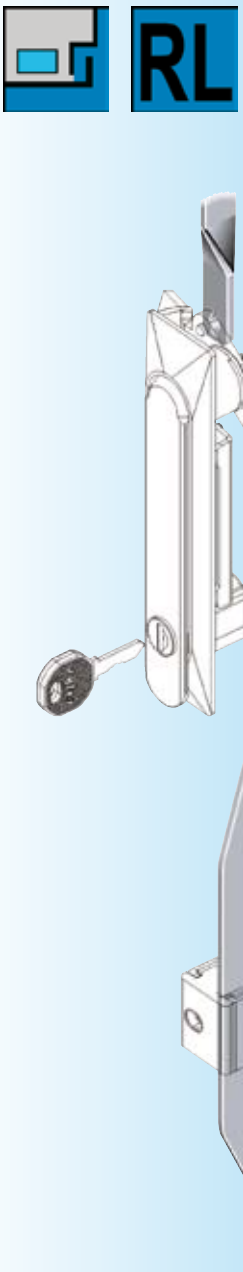
Flat rod m.s. zinc pl. with rollers polyamide black		
LH	1121-U146-L mm	(1121-U146-01 to -08)
RH depicted	1121-U147-L mm	(1121-U147-01 to -08)
		see price list

EMKA®

Beschlagteile

Rods for cams with stroke 26 mm

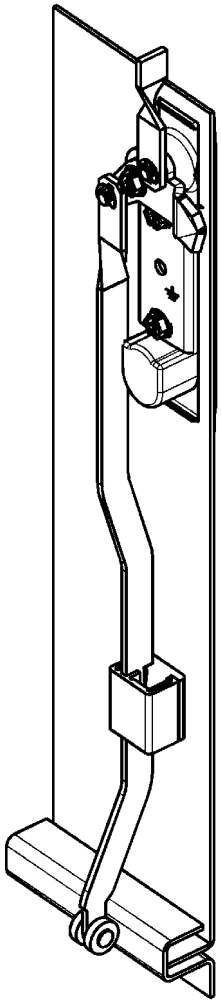
PROGRAM 1150



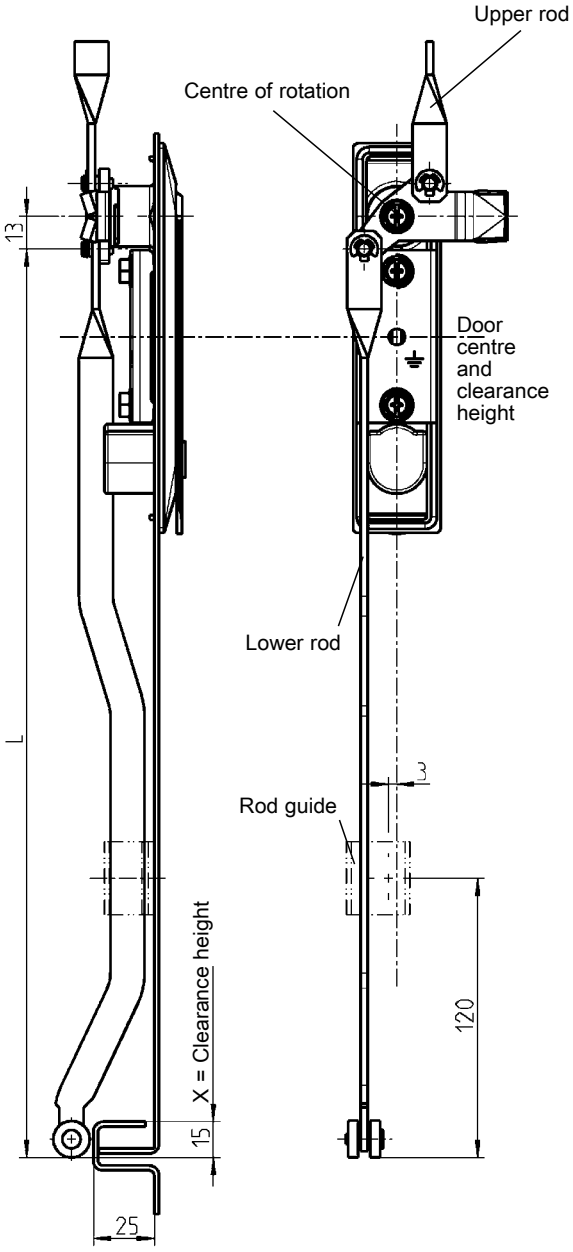
Minimum order quantity: 200 pieces

Lower quantities on request

Calculation of rod length L:	Version	Swinghandle (please see note) A	B
Upper rod	$L = \frac{X}{2}$	– 28	- 48
Lower rod	$L = \frac{X}{2}$	+ 32	+ 52
Centre of rotation on door centre, upper and lower rods are the same length	$L = \frac{X}{2}$ + 2		



Ts = 2
Other door gauges on request



Note:
Calculation of rod version A or B suitable for
– Swinghandle 1150 3C-120 = A
3C-120 = B
– Swinghandle 1150 3C-140 = B
– Swinghandle 1155 3C-620 = B

Further parts see page
– Rod guide 3ZC-120 up to 3ZC-160

Program 1150
– Cam with stroke 26 3YC-120 3YC-140

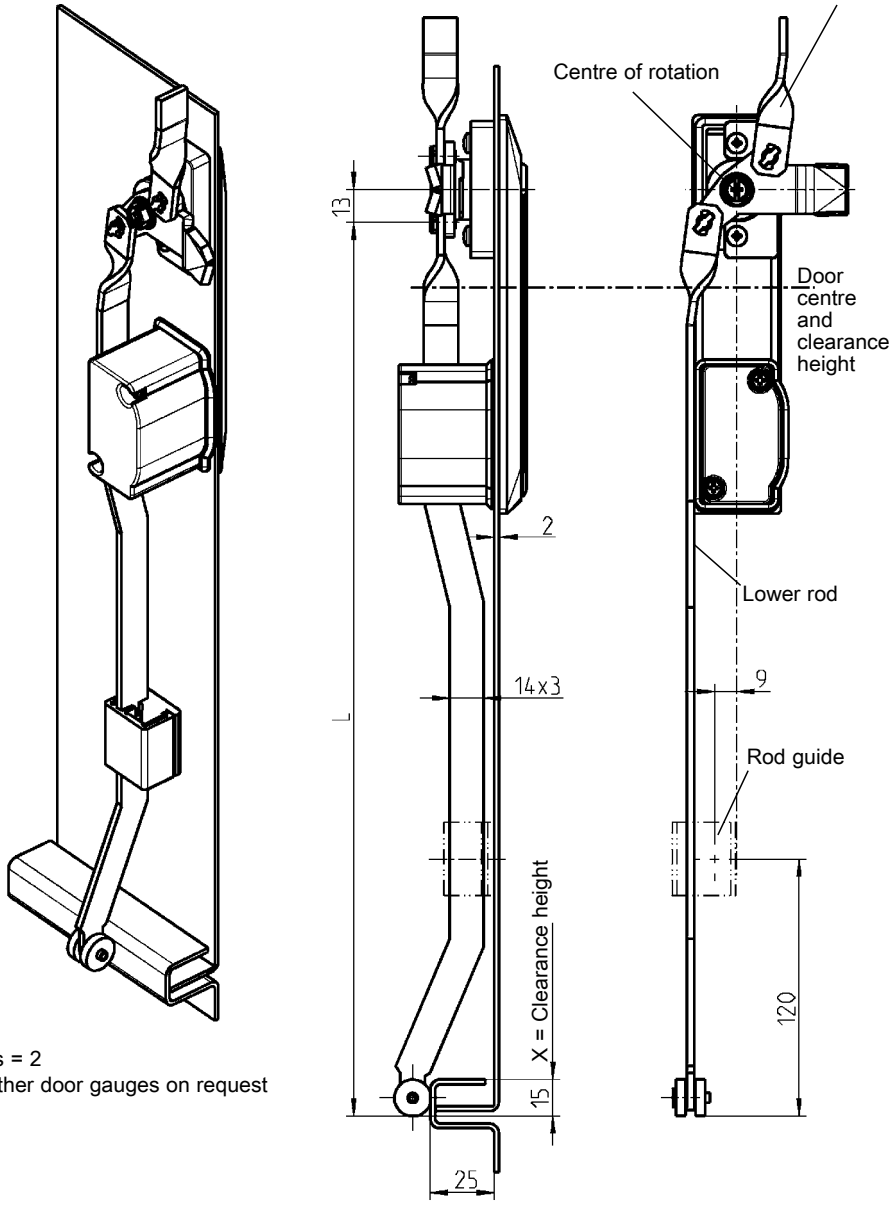
Flat rod m.s. zinc pl. with rollers polyamide black	1121-U145-L mm
	(1121-U145-01 to -08 see price list)

Rods for cams with stroke 26 mm

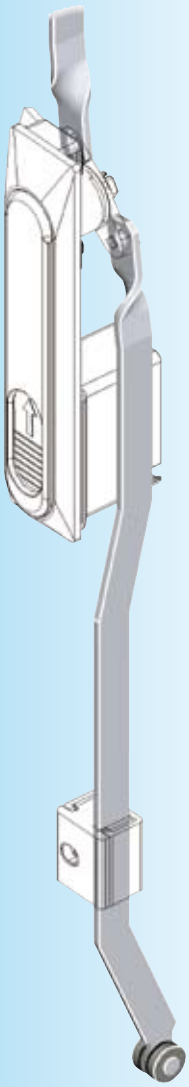
PROGRAM 1150

Minimum order quantity: 200 pieces
Lower quantities on request

Calculation of rod length L:	Version	Swinghandle (please see Note) A	B	C
Upper rod	$L = \frac{X}{2}$	– 48	– 54	– 70,5
Lower rod	$L = \frac{X}{2}$	+ 52	+ 58	+ 74,5
Centre of rotation on door centre, upper and lower rods are the same length	$L = \frac{X}{2} + 2$			



Ts = 2
Other door gauges on request



Note:
Calculation of rod version A or B suitable for
– Swinghandle 1154 3C-220 = A
– Swinghandle 1153 3C-320 = A
– Swinghandle 1154 3C-260 = B
– Swinghandle 1154 3C-280 = C
– Swinghandle 1151 3C-420 = C

Further parts see page
– Rod guide 3ZC-120 up to 3ZC-160

Program 1150
– Cam with stroke 26 3YC-120 3YC-140

Flat rod m.s. zinc pl. with rollers polyamide black		
LH	1121-U146-L mm	(1121-U146-01 to -08)
RH depicted	1121-U147-L mm	(1121-U147-01 to -08)
		see price list

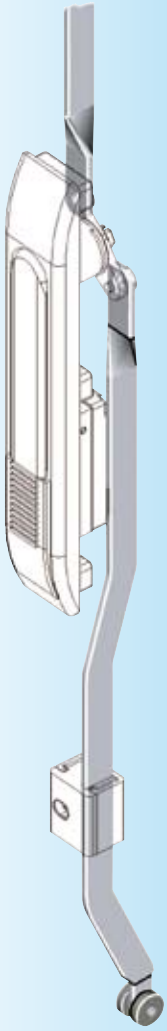
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Rod for cams with stroke 26 mm

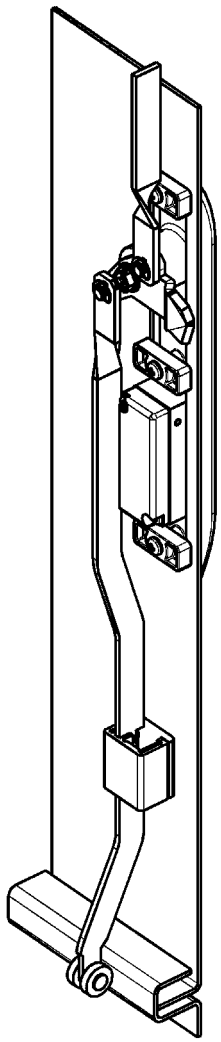
PROGRAM 1180

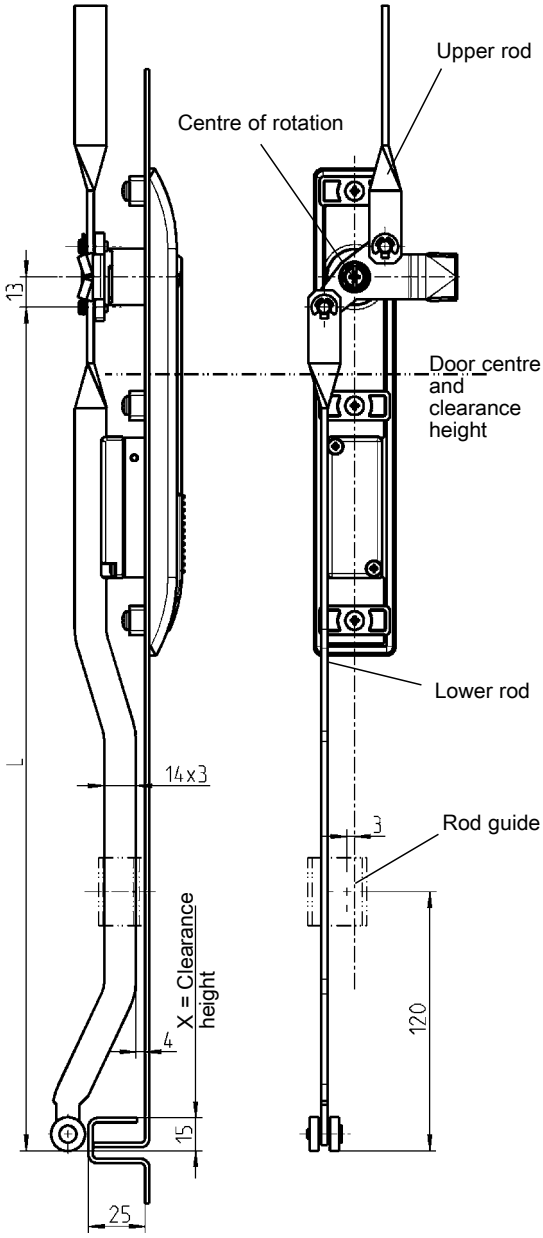




Minimum order quantity: 200 pieces
Lower quantities on request

Calculation of rod length L:	Version	Swinghandle see note A	B
Upper rod	$L = \frac{X}{2}$	– 55	– 70,5
Lower rod	$L = \frac{X}{2}$	+ 59	+ 74,5
Centre of rotation on door centre, upper and lower rods are the same length	$L = \frac{X}{2} + 2$		





Ts = 2
Other door gauges on request

Note:
Calculation of rod version A or B suitable for
– Swinghandle 1180 3E-320 = A
– Swinghandle 1185 3E-520 = B

Further parts see page
– Rod guide 3ZC-120 up to 3ZC-160

Program 1180
– Cam with stroke 26 3YC-120 3YC-140

Flat rod m.s. zinc pl. with rollers polyamide black	1121-U145-L mm
	(1121-U145-01 to -08 see price list)

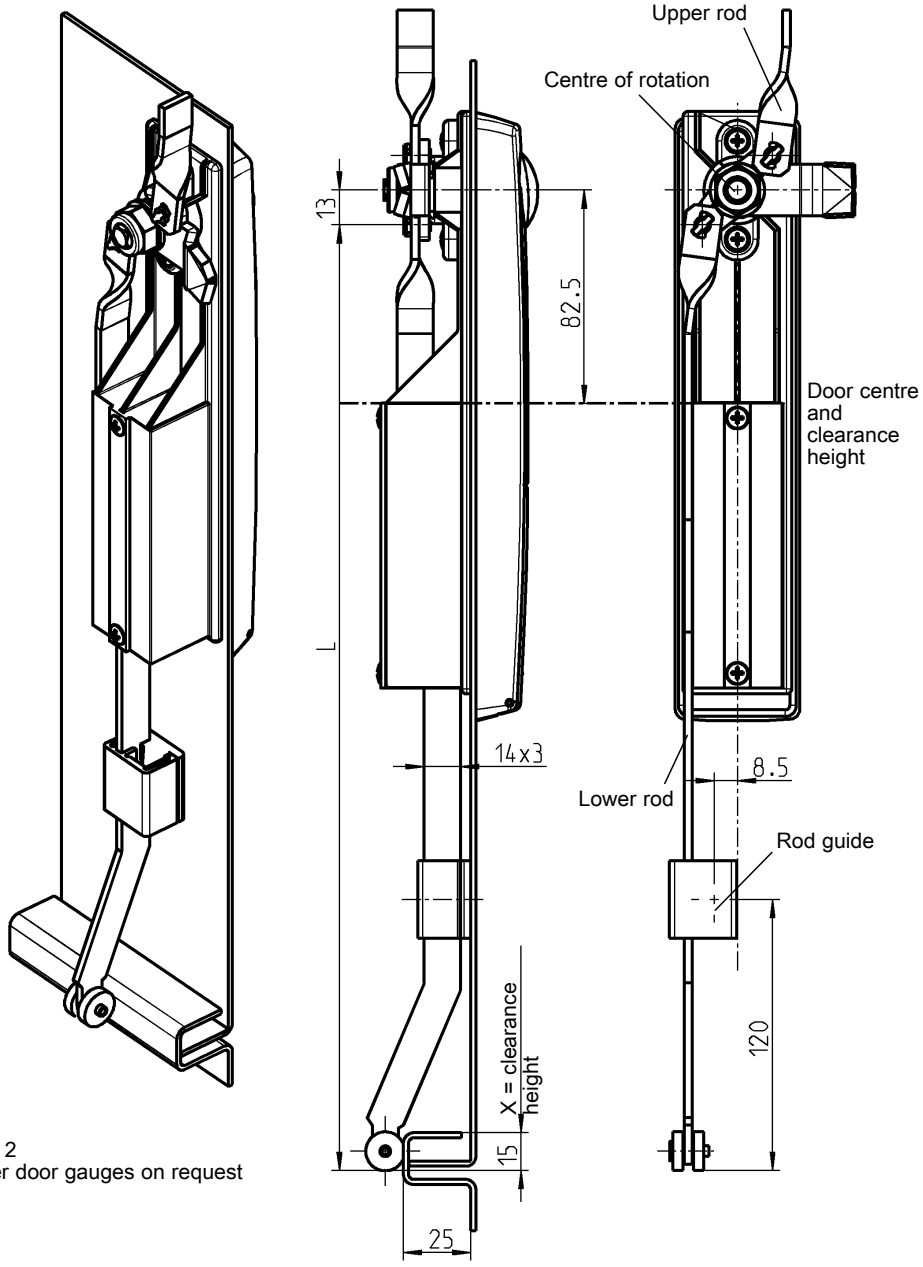
Rods for cams with stroke 26 mm

PROGRAM 1225

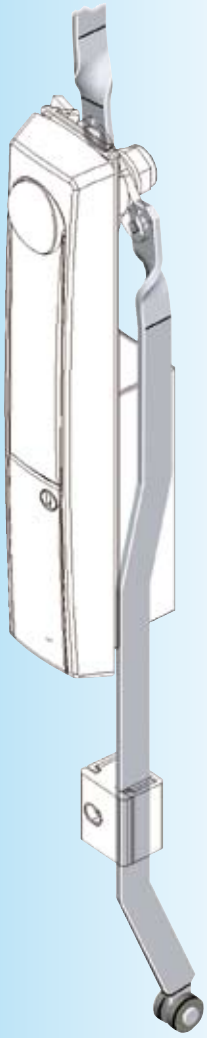
Minimum order quantity: 200 pieces
Lower quantities on request

How to find dim. L

Upper rod	$L = \frac{X}{2}$	– 80,5
Lower rod	$L = \frac{X}{2}$	+ 84,5
Centre of rotation on door centre, upper and lower rods are the same length	$L = \frac{X}{2}$	+ 2



Ts = 2
Other door gauges on request



Flat rod m.s. zinc pl. with rollers polyamide black		
LH	1121-U146-L mm	(1121-U146-01 to -08)
RH side depicted	1121-U147-L mm	(1121-U147-01 to -08)
		see price list

Further parts see page
– Rod guide 3ZC-120 up to 3ZC-160

Program 1225
– Cam with stroke 26 3YC-140

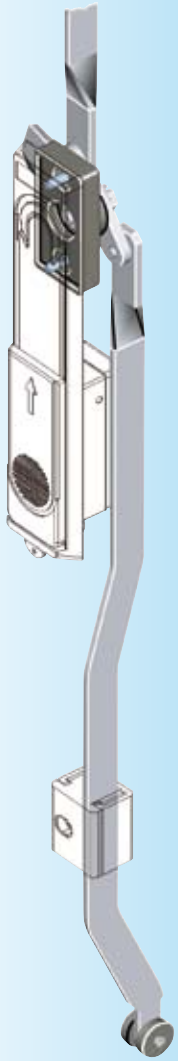
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Rods for cams with stroke 26 mm

PROGRAM 2100

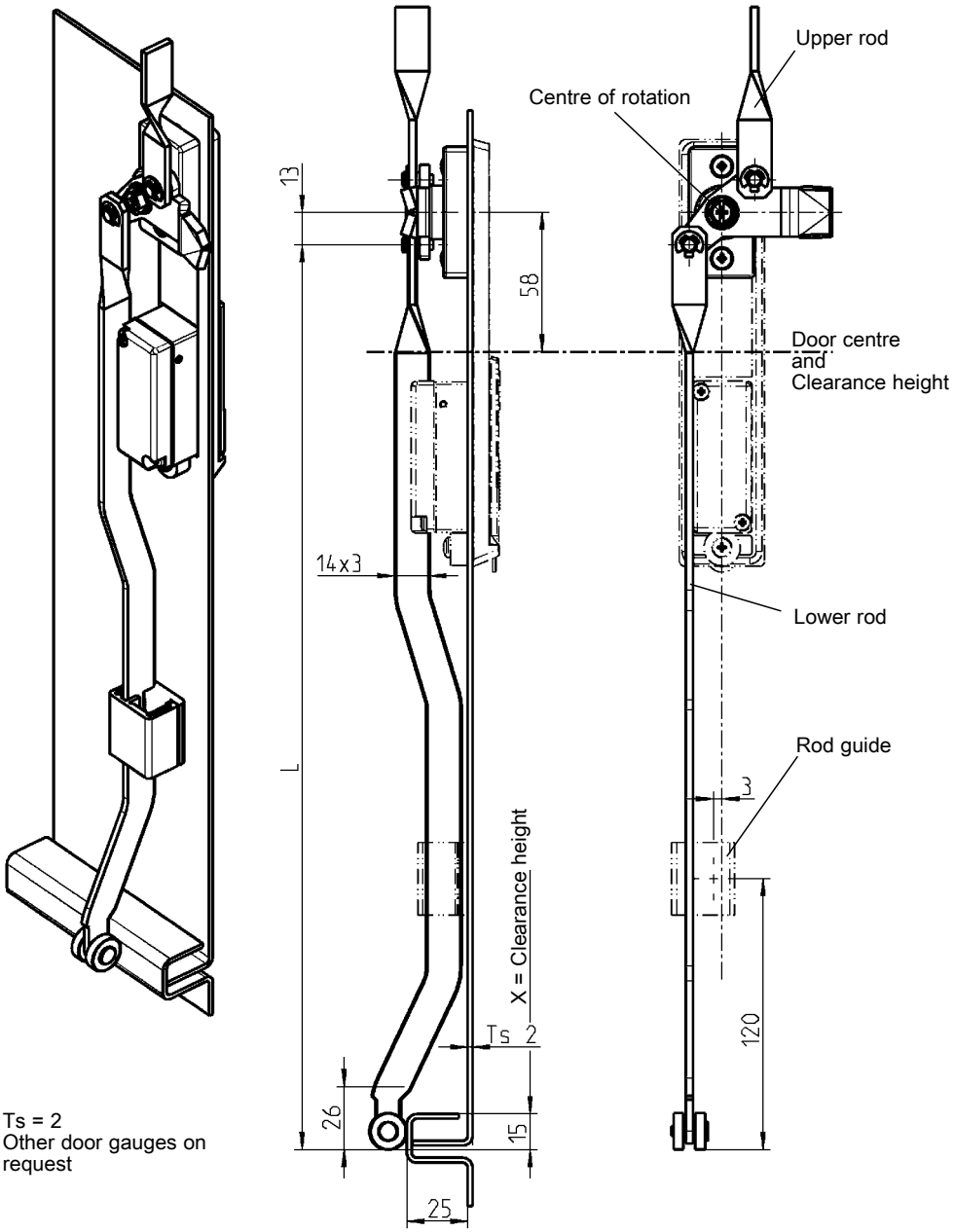
RL



Minimum order quantity: 200 pieces
Lower quantities on request

How to find dim. L

Upper rod	$L = \frac{X}{2}$	– 56
Lower rod	$L = \frac{X}{2}$	+ 60
Centre of rotation on door centre, upper and lower rods are the same length	$L = \frac{X}{2}$	+ 2



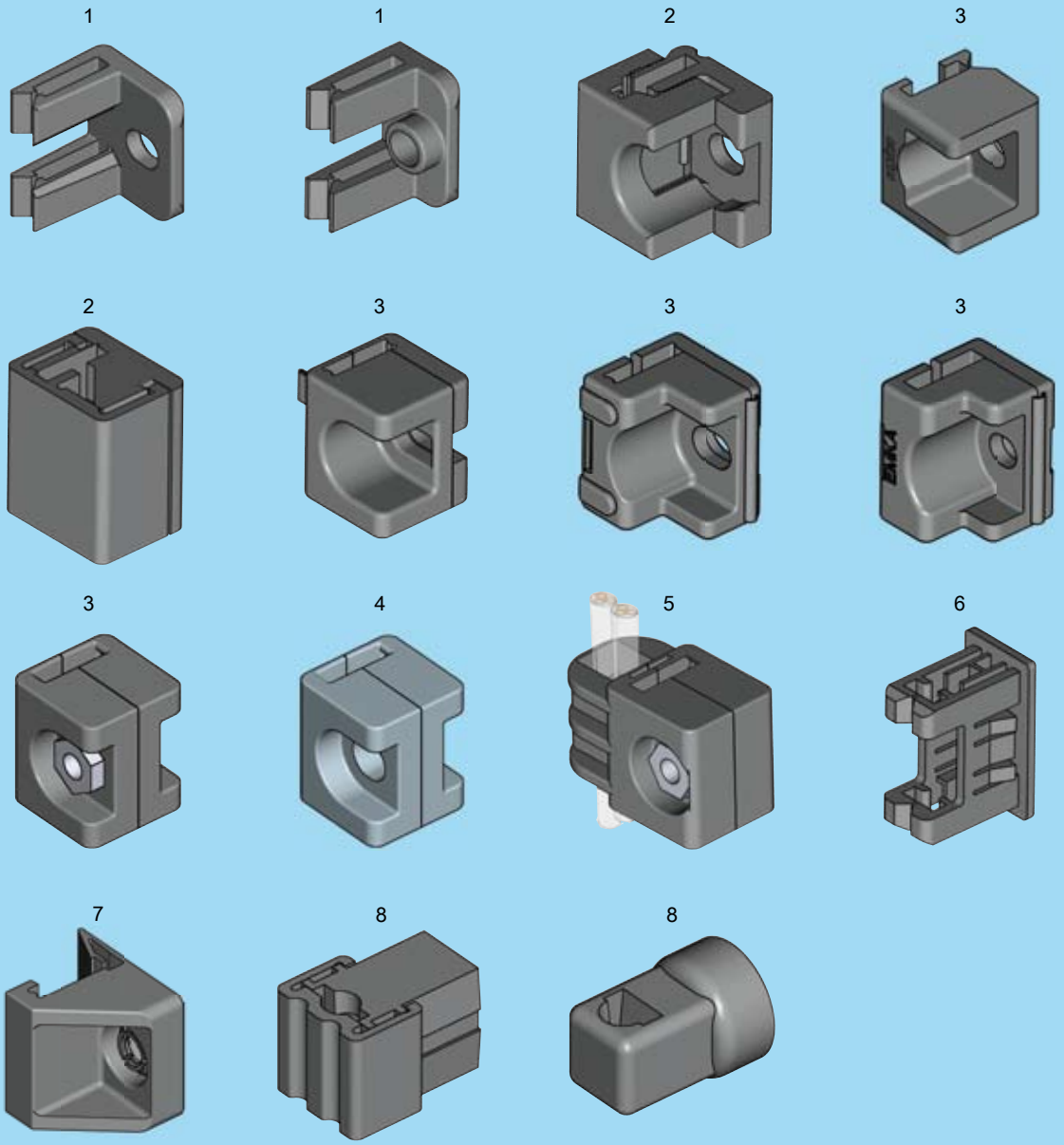
Ts = 2
Other door gauges on request

Further parts see page
– Rod guide 3ZC-120 up to 3ZC-160

Program 2100
– Cam with stroke 26 3YB-420

Flat rod m.s. zinc pl. with rollers polyamide black	
	1121-U145-L mm
	(1121-U145-01 to -08 see price list)

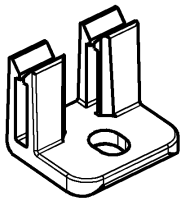
Rod guide
Program 1107, 1125, 1160, 1180, 1190, 1225, 2100, 2300, 2400, 2600, 3000

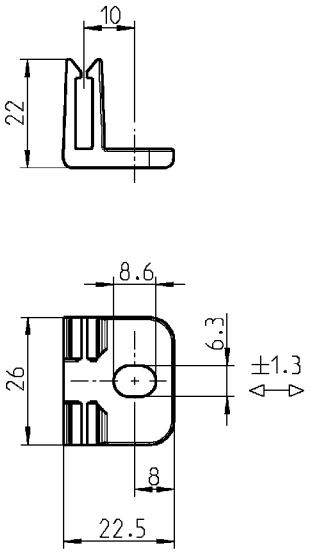


1 for flat rod 3 x 14, flat rod will clip in
2 for flat rod 3 x 14, cover will clip in
3 for flat rod 3 x 14, rod guide can be pre-assembled on rod
4 for flat rod 3 x 14, rod guide stainless steel
5 for flat rod 3 x 14 and cable, rod guide can be pre-assembled on rod
6 for flat rod 3 x 14, rod guide and flat rod will clip in
7 for flat rod 3 x 14, rod guide clipped on and flat rod clipped in
8 for round rod Ø 8

Rod guide for flat rod 3 X 14

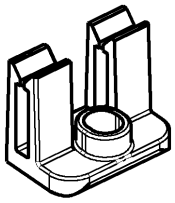
PROGRAM 1107, 1125, 1150, 1160, 1180, 1190, 1225, 2100, 2300, 2400, 2600, 3000

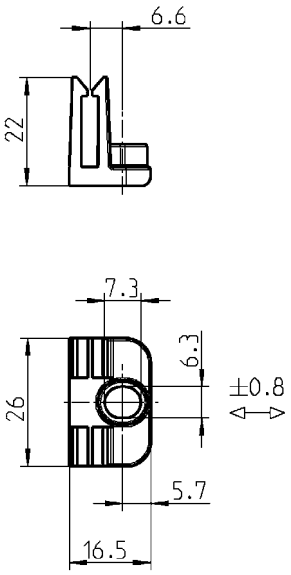




Flat rod will clip in!

Rod guide polyamide black for weld stud M6x12	1121-89

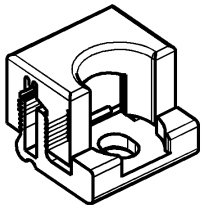


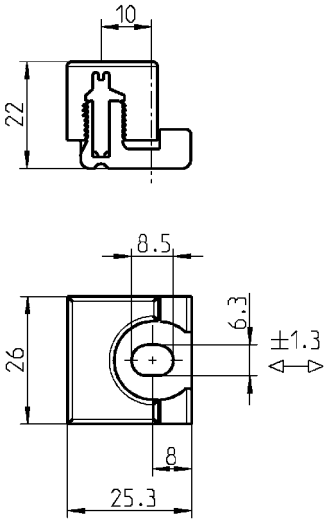


Flat rod will clip in!

For narrow bending area!

Rod guide polyamide black for rivet nut Ø 6x8-M4 and oval head screw DIN 7045 M4x6	1121-89-11

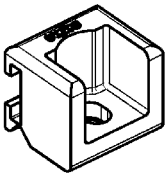


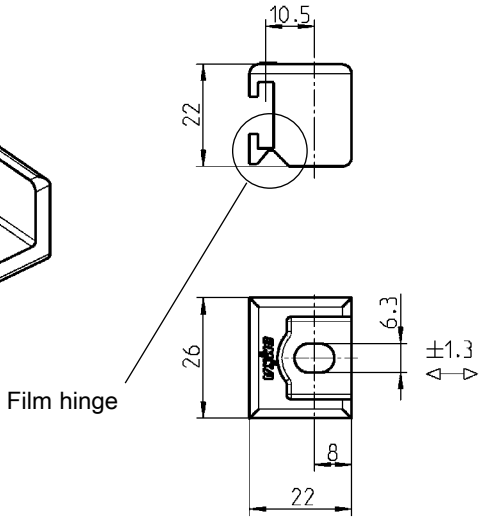


Pre-assembling of the lower part possible!

Cover will be clipped on!

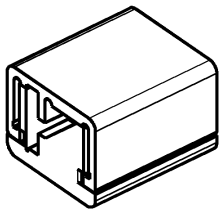
Rod guide polyamide black for weld stud M6x12	1121-U91

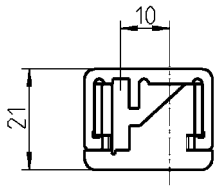


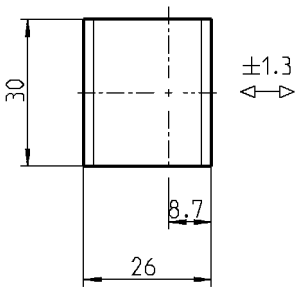


Rod guide can be pre-assembled on ´ the flat rod!

Rod guide polyamide black for weld stud M6x10, M6x12 or M6x16	1121-19



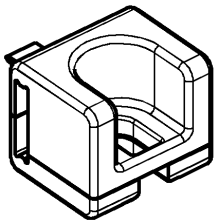


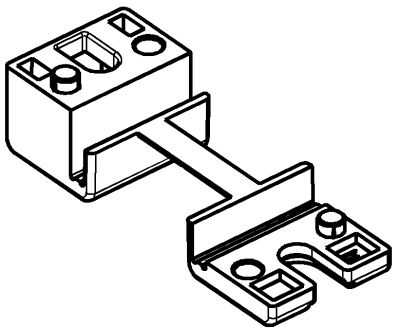


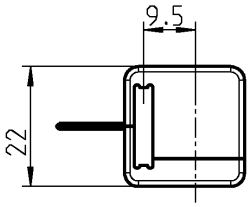
Pre-assembling of the lower part possible!

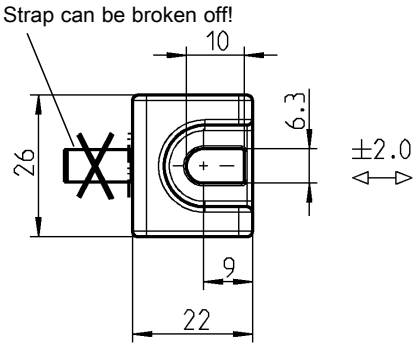
Cover will be clipped on!

Rod guide Polyamide black for weld stud M6x12	1121-U151









Rod guide can be pre-assembled on rod!

Rod guide Polyamide black for weld stud M6x16 or M6x20	1121-19-N

Further parts see page

Program 1107
– Rods 3ZB-320

Program 1125
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-420
3ZB-440

Program 1150
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-520
3ZB-540

Program 1160
– Rods 3ZA-120
up to 3ZA-420
3ZB-120
3ZB-220

Program 1180
– Rods 3ZA-120
up to 3ZA-340
3ZA-520
3ZB-120
3ZB-220
3ZB-620

Program 1190
– Rods 3ZA-120
up to 3ZA-340

Program 1225
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-420
3ZB-720

Program 2100
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-820

Program 2300
– Rods 3ZA-620
3ZB-120
3ZB-220

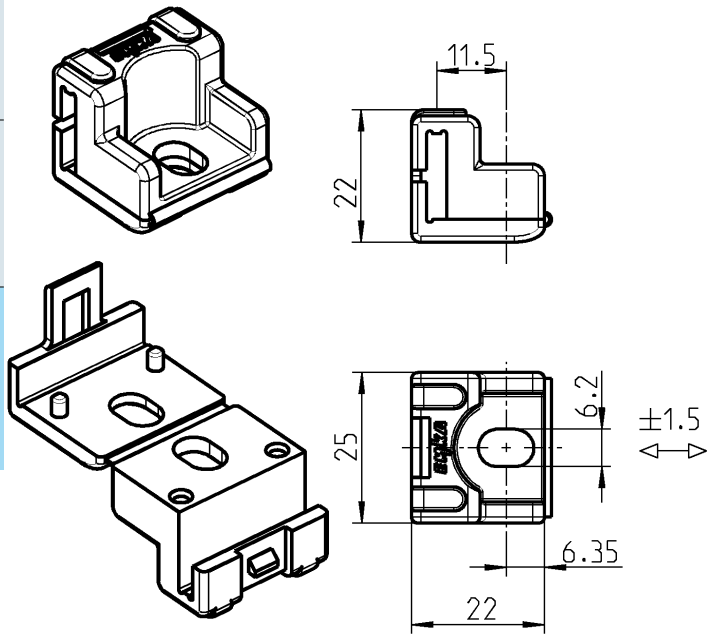
Program 2400
– Rods 3ZA-720
3ZA-820

Program 2600
– Rods 3ZA-920

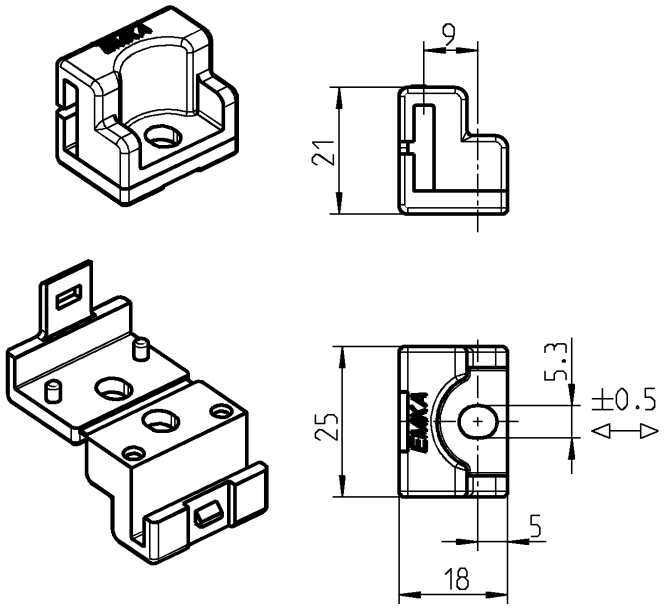
Program 3000
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220

Rod guide for flat rod 3 x 14

PROGRAMM 1107, 1125, 1150, 1160, 1180, 1190, 1225, 2100, 2300, 2400, 2600, 3000



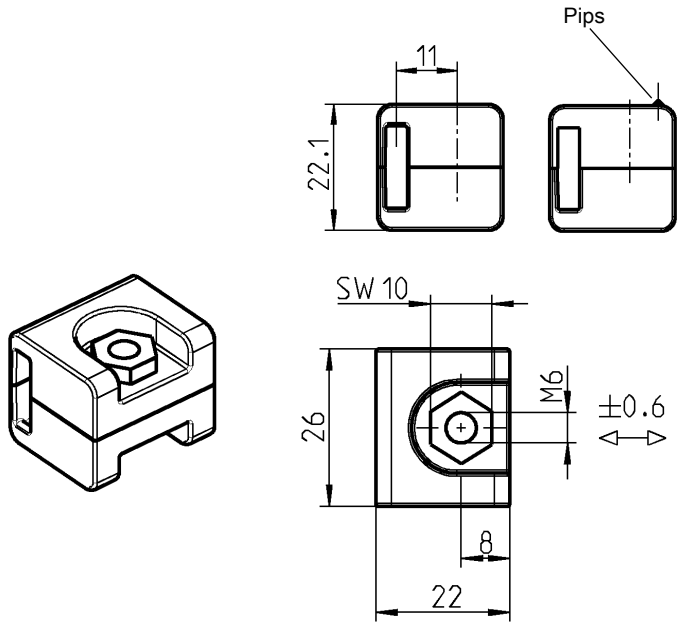
Rod guide can be pre-assembled on rod!



Rod guide can be pre-assembled on flat rod!

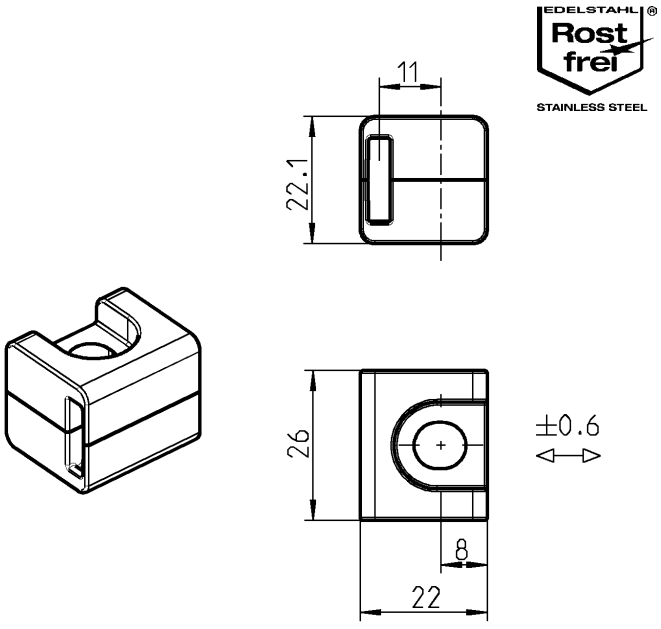
Rod guide polyamide black for weld stud M6x12	1121-109

Rod guide polyamide black for weld stud M5x12	1121-106



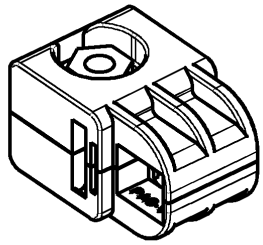
Pips avoid “door rattling”

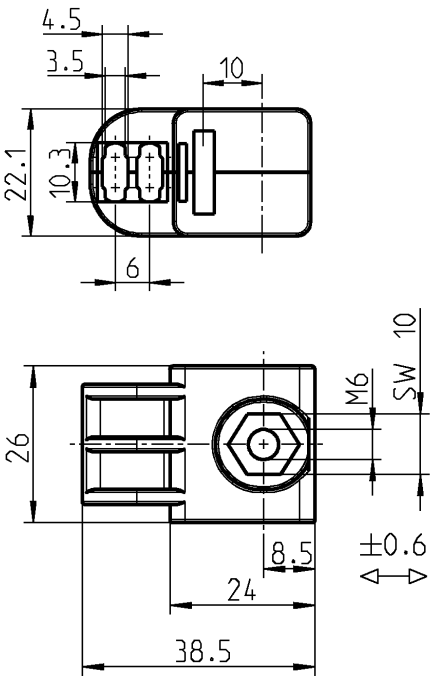
Rod guide can be pre-assembled on rod!



Rod guide polyamide black, safety nut m.s. zinc plated for weld studs or countersunk screw M6x16 or M6x20	
without pips	1121-U71-N
with pips	1121-U74-N

Rod guide AISI 316 for weld stud or countersunk screw M6x20	1121-U71-PH

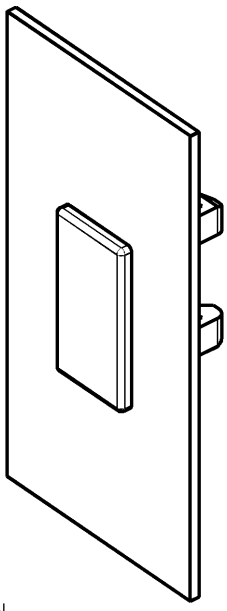


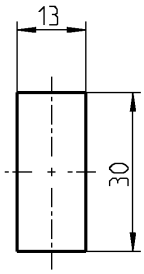


Rods with cable guide for different cable diameters.
Depending on the diameter up to 6 cables can be used.

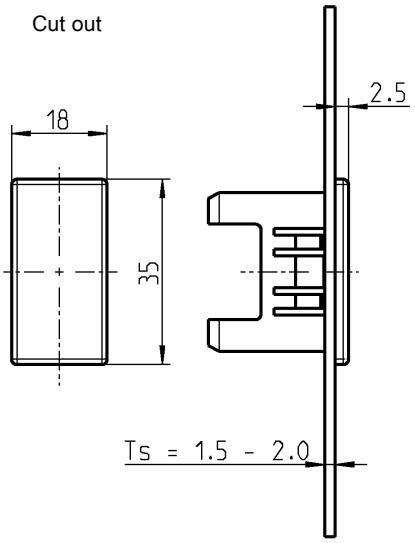
Rod guide can be pre-assembled on flat rod!

Rod guide polyamide black, safety nut m.s. zinc plated for weld studs or counter sunk screw M6x16 or M6x20	1121-U87-N





Cut out



Flat rod will clip in!

Rod guide polyamide black	2300-04








Further parts see page

Program 1107
– Rods 3ZB-320

Program 1125
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-420
3ZB-440

Program 1150
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-520
3ZB-540

Program 1160
– Rods 3ZA-120
up to 3ZA-420
3ZB-120
3ZB-220

Program 1180
– Rods 3ZA-120
up to 3ZA-340
3ZA-520
3ZB-120
3ZB-220
3ZB-620

Program 1190
– Rods 3ZA-120
up to 3ZA-340

Program 1225
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-420
3ZB-720

Program 2100
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-820

Program 2300
– Rods 3ZA-620
3ZB-120
3ZB-220

Program 2400
– Rods 3ZA-720
3ZA-820

Program 2600
– Rods 3ZA-920

Program 3000
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220

EMKA®

Beschlagteile

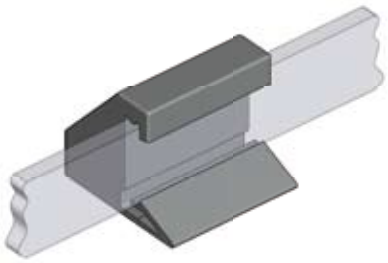
Rod guide clip-in type for flat rod 3x14

PROGRAM 1107 - 3000

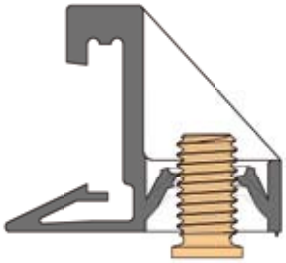
Pull-out force: $F_{min.}$ = 350 N
Application force: Typical factor F ≈ 135 N

These factors refer to a thread with surface raw or zinc plated and degreased.

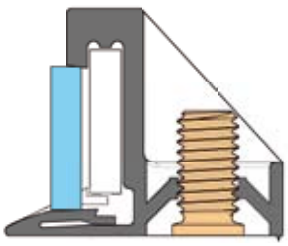




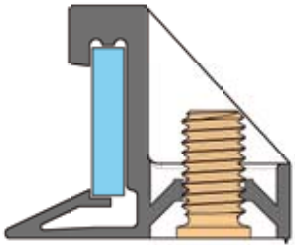
Flat rod and weld stud pictured transparent



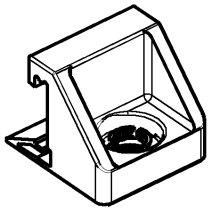
1.
Rod guide can be pre-assembled on rod

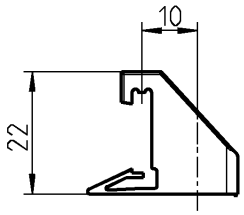


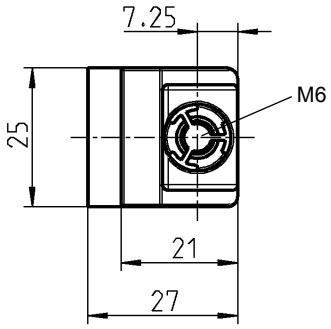
2.
Assembling of flat rod into rod guide



3.
Rod guide pre-assembled







Rod guide clip in polyamide black for weld stud M6x10 or M6x12

1121-127

Further parts see page

Program 1107
– Rods 3ZB-320

Program 1125
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-420
3ZB-440

Program 1150
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-520
3ZB-540

Program 1160
– Rods 3ZA-120
up to 3ZA-420
3ZB-120
3ZB-220

Program 1180
– Rods 3ZA-120
up to 3ZA-340
3ZA-520
3ZB-120
3ZB-220
3ZB-620

Program 1190
– Rods 3ZA-120
up to 3ZA-340

Program 1225
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-420
3ZB-720

Program 2100
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220
3ZB-820

Program 2300
– Rods 3ZA-620
3ZB-120
3ZB-220

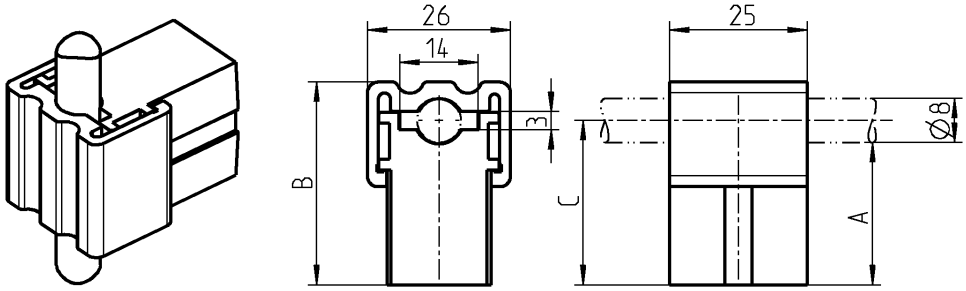
Program 2400
– Rods 3ZA-720
3ZA-820

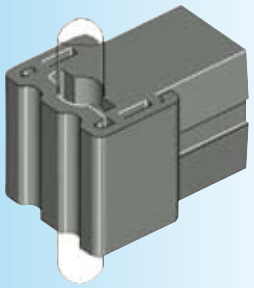
Program 2600
– Rods 3ZA-920

Program 3000
– Rods 3ZA-120
up to 3ZA-340
3ZB-120
3ZB-220

Rod guide for round rods 8 mm

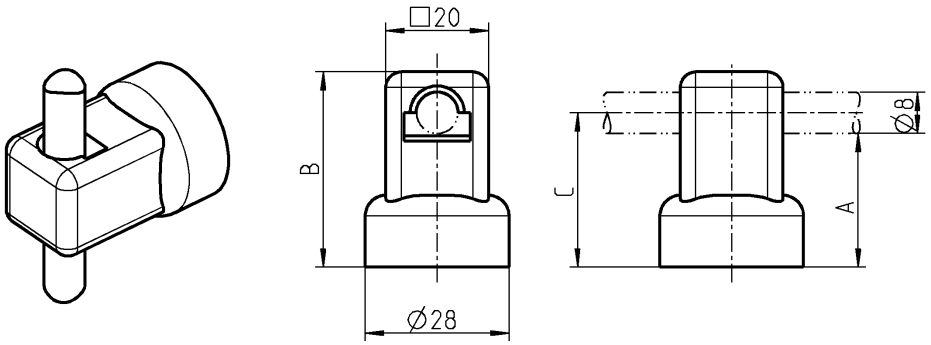
PROGRAM 1107, 1125, 1150, 1180, 1225, 2100, 3000

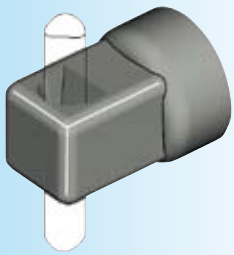




Note:
Rod guide can also be used for 90° offset flat rods 3 X14!

Rod guide polyamide black				
A	B	C	for weld stud	
20	31	24	M6x12-20	1001-U40
26	37	30	M6x12-20	1001-U41





Rod guide polyamide black with shoulder nut m.s. zinc plated				
A	B	C	for weld stud	
20	32	24	M6x16	1001-U11
26	38	30	M6x20	1001-U12

Further parts see page
Programm 1107, 1125, 1150, 1180, 1225, 2100, 3000
– Rods 3ZB-120

Hinges for prominent doors (chapter 4A)

4A-120	4A-121	4A-130	4A-135	4A-136	4A-137	4A-138	4A-140	4A-150	4A-160	4A-170	4A-190	4A-210	4A-215	4A-220
						●		●		●		●	●	●
●	●	●	●	●	●		●	●	●		●			
				●	●							●		●
●	●	●	●							●	●		●	
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
						●		●		●	●	●	●	●
						●						●		●
120°	135°/180°	120°	120°/135°	125°	115°	180°	180°	180°	180°	180°	120°	180°	180°	180°
	●		●			●	●	●	●					
							●							
						●	●	●		●	●	●	●	●
●	●	●	●	●								●		
●		●		●	●			●	●			●		
●	●	●	●	●	●									
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
						●	●	●	●			●	●	●
20	20/22	22/26	22/25	25	26	20	16/25	20	20	25	25	26	25	20

Hinges for flush doors and aluminium profiles (chapter 4B)

4B-120	4B-130	4B-140	4B-160	4B-170	4B-190	4B-200	4B-205	4B-210	4B-212	4B-213	4B-215	4B-220	4B-230	4B-240
			●	●	●	●	●	●	●	●	●	●	●	●
●	●	●												
●	●	●							●	●				●
											2D			
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●			●	●	●	●	●	●	●	●	●	●
90°	90°	180°	180°	180°	180°	180°/270°	180°	180°	180°	180°	180°	180°	180°	180°
					●	●								●
					●	●	●	●	●	●	●		●	●
●	●	●	●	●										
●	●		●		●	●	●	●	●	●		●		
													●	
●	●	●		●										
			●	●	●	●	●	●	●	●	●	●	●	●
					●									●

Pin hinges (chapter 4C)

4C-120	4C-130													
	●													
●														
●														
●														
●														
	●													

x = variable Note: Hinges should be greased prior to use

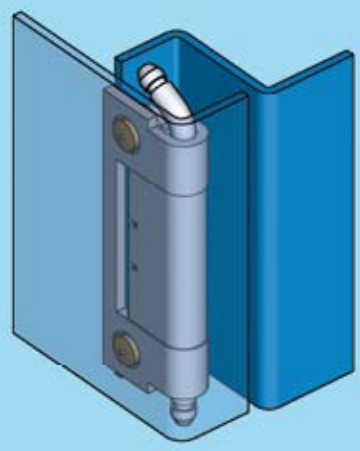
4A-250	4A-260	4A-280	4A-285	4A-290	4A-295	4A-300	4A-310	4A-450	4A-460	4A-480	Beschlagteile
●	●	●	●	●	●	●	●	●	●		Prominent hinge
		●								●	Concealed hinge
			●	●	●	●				●	Lift-off version
											Restricted lift-off version
●	●	●	●	●	●	●	●	●	●	●	For single cabinets
					●			●	●		For in-line cabinets with single door
					●			●	●		For in-line cabinets with double door
180°	180°	130°/180°	180°	180°	180°	180°	180°	180°	180°	120°	Opening angle
	●									●	Door cut out
			●								Polyamide
		●	●		●		●	●	●	●	Zinc die
●	●	●		●	●	●	●	●	●		Mild steel
●			●			●					Stainless steel
	●										For pressure-resistant door
	●	●		●	●	●	●				Weld-on hinge
●	●	●	●	●	●		●	●	●	●	Screw-on hinge
											Clamping hinge
X	x/12-14	X	X	X	x/18-23,5	X	X	20/25	10/25	25	Door return

4B-245	4B-250	4B-255	4B-260	4B-280	4B-290	4B-300	4B-320				
●	●	●	●	●	●	●	●				Prominent hinge
											Concealed hinge
											Lift-off version
											Restricted lift-off version
	2D	3D	3D				●				Adjustable 2D/3D
●	●	●	●	●	●	●	●				For single cabinets
●	●	●	●	●	●	●	●				For in-line cabinets with single door
●											For in-line cabinets with double door
180°	180°	180°	180°	180°	180°	180°	180°				Opening angle
											Door cut out
●						●					Polyamide
	●	●	●	●	●						Zinc die
											Mild steel
				●			●				Stainless steel
											For aluminium profiles
											Weld-on hinge
●	●	●	●	●	●	●	●				Screw-on hinge
											Clamping hinge

											Polyamide
											Mild steel
											Stainless steel
											Weld-on hinge
											Screw-on hinge
											Clip-in hinge

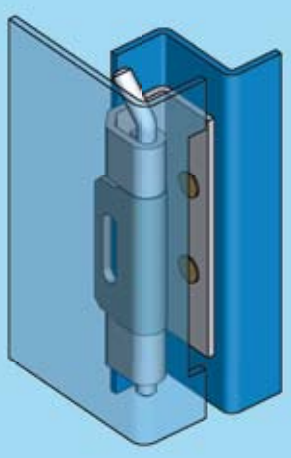
Hinge
for prominent door

1



Door pictured transparent

1

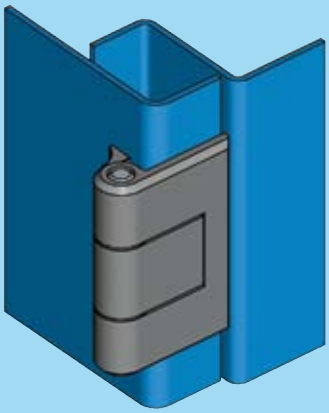


Door pictured transparent

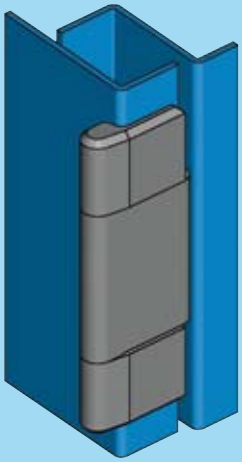
2



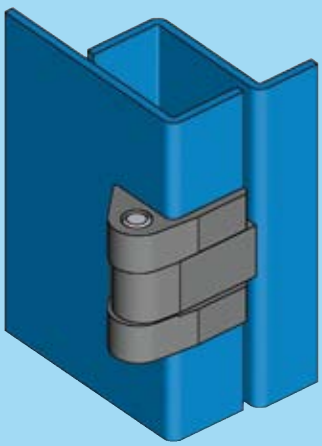
3



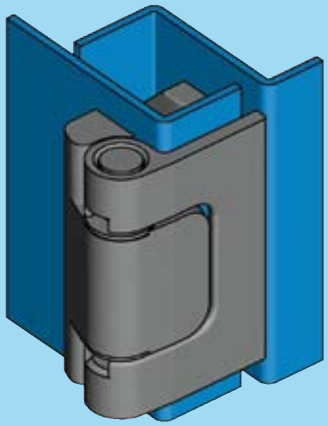
3



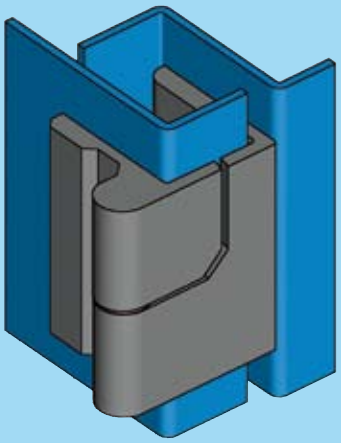
3



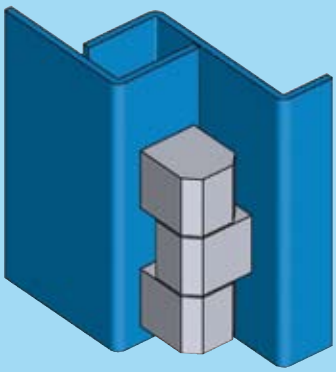
4



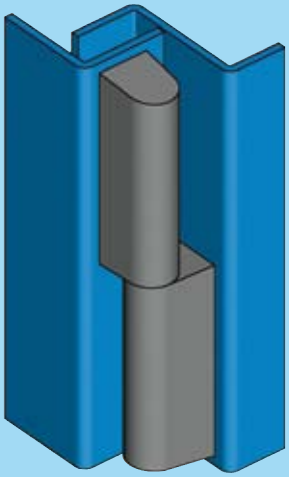
4



5



6







1	120° to 135° concealed hinge	4A-120 up to 4A-135, 4A140 4A-150, 4A-190, 4A-280
2	120° concealed hinge and lift-off version	4A-190
3	180° prominent hinge	4A-138, 4A-150, 4A-160, 4A-450, 4A-460
4	180° prominent hinge and lift-off version	4A-170, 4A-210 up to 4A-220
5	180° prominent hinge	4A-250 up to 4A-280, 4A-310
6	180° prominent hinge and lift-off version	4A-285 up to 4A-300

EMKA®

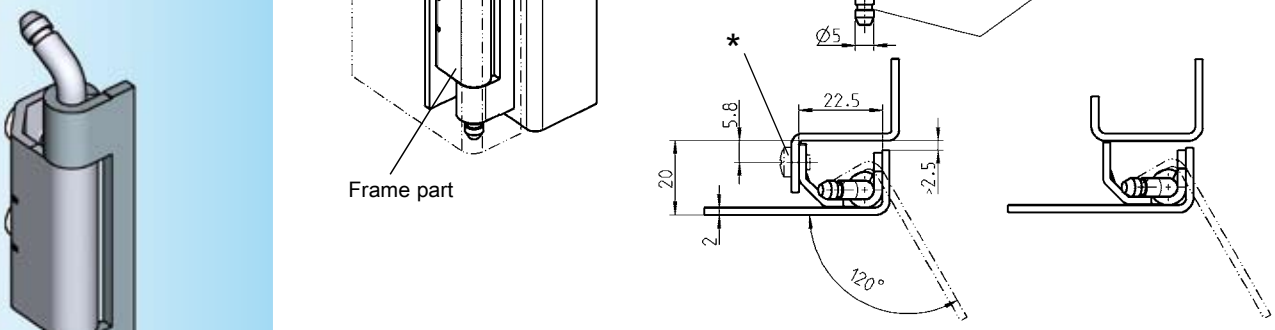
Beschlagteile

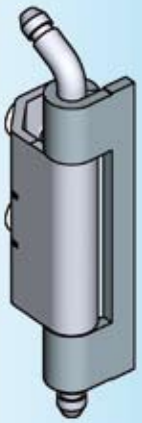
120° hinge

PROGRAM 1069

EDELSTAHL Rost frei® STAINLESS STEEL

120° hinge
for 20 mm door return

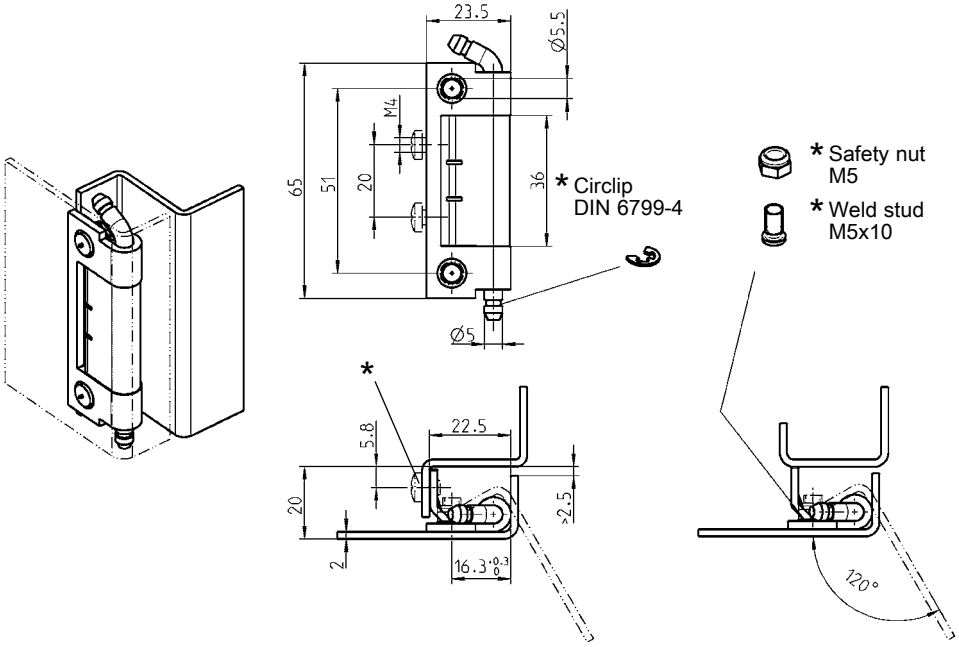




Hinge m.s. zinc pl. or stainl. steel, weld-on part m.s. raw or AISI 304			
screw-on m.s.	1069-U1	weld-on m.s.	1069-U2
screw-on AISI 304	1069-U4	weld-on AISI 304	1069-U3

120° hinge for weld stud fastening
for 20 mm door return





* not included

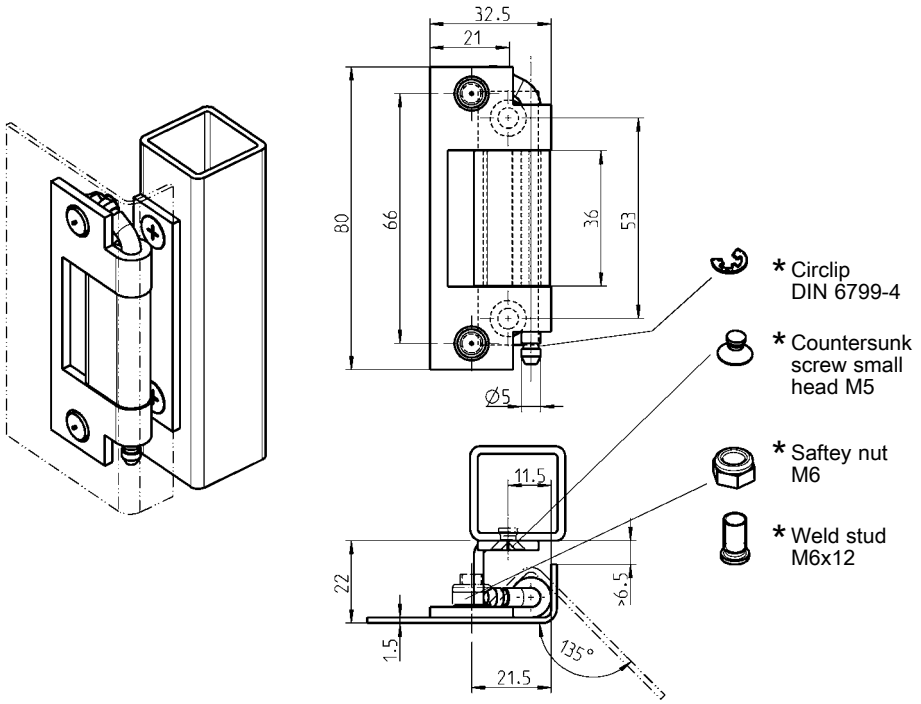
Further parts see page
– Fixing material 12E-100

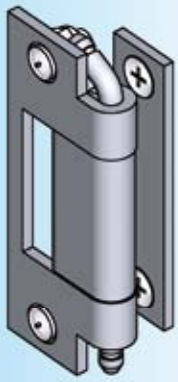
Hinge m.s. zinc pl., screw-on		Hinge, m.s. zinc pl., weld-on	
	1069-U6	weld-on part m.s. raw	1069-U5

Hinge

PROGRAM 1032, 1110

135° hinge for 22 mm door return

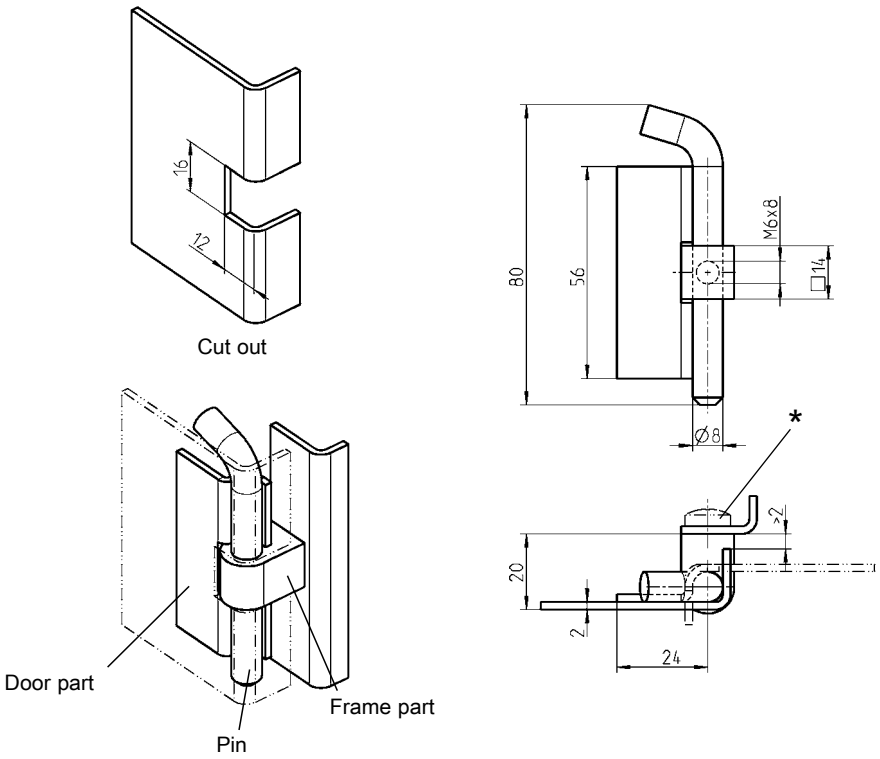


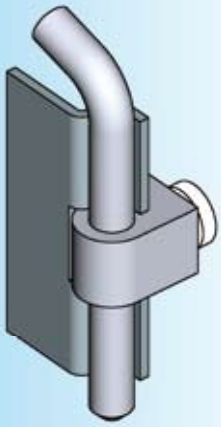


Hinge m.s. zinc pl.	
	1032-U6

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

180° hinge for 20 mm door return





* not included

Hinge m.s. zinc pl., weld-on parts raw	
	1110-U1

Further parts see page
– Fixing material 12E-100

EMKA®

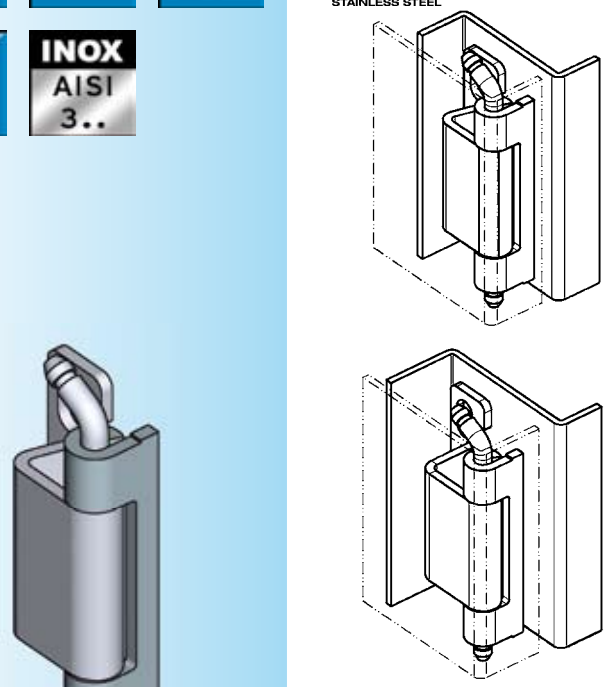
Beschlagteile

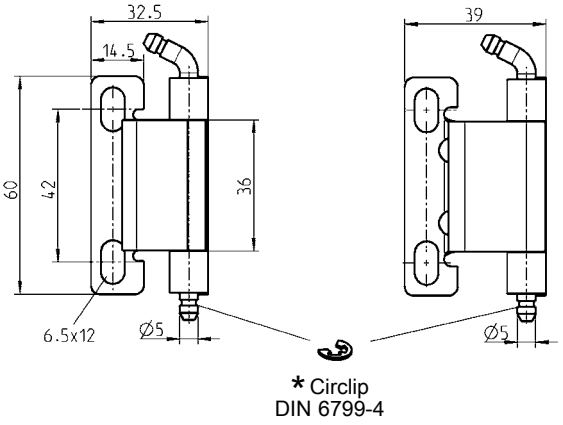
120° hinge

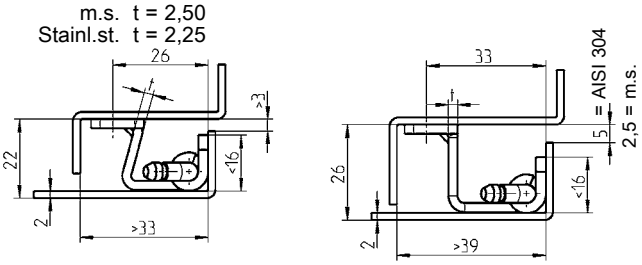
PROGRAM 1031, 1032

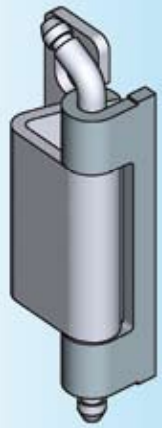
EDELSTAHL Rost frei® STAINLESS STEEL

120° hinges for 22 or 26 mm door return



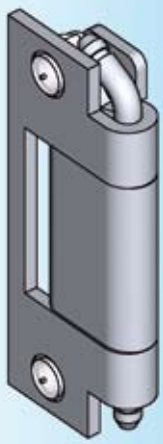


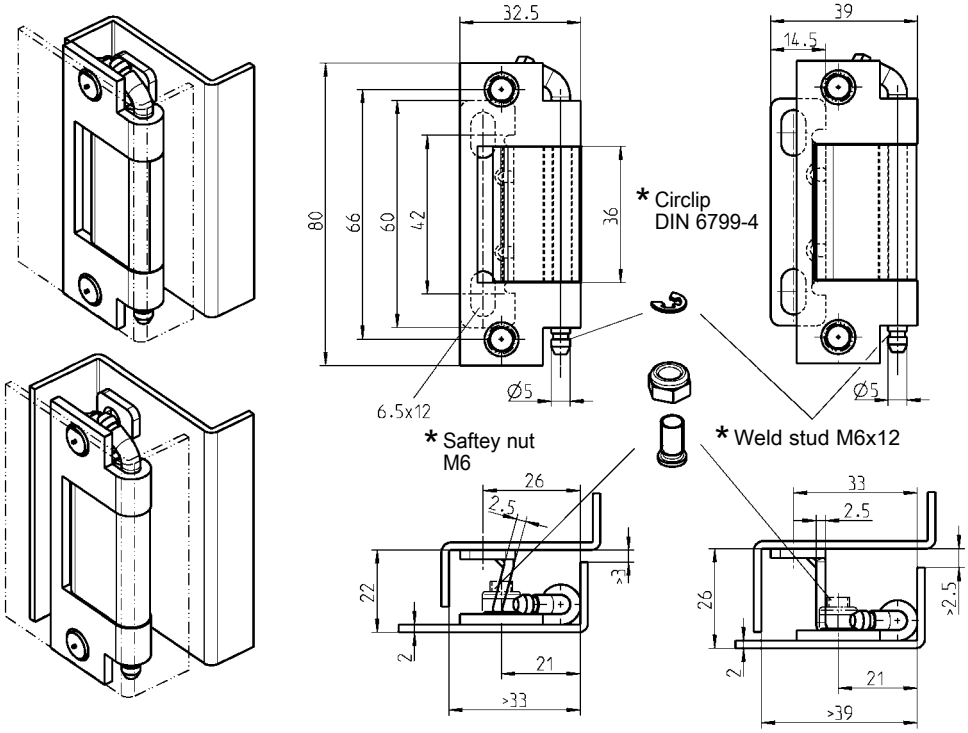




120° hinge m.s. zinc pl. or stainl. steel, weld-on part m.s. raw or AISI 304			
St (Size 22)	1032-U1	St (Size 26)	1031-U1
AISI (Size 22)	1032-U2	AISI (Size 26)	1031-U2

120° hinges for a weld stud for 22 or 26 mm door return





Hinge m.s. zinc pl.			
(Dim. 22)	1032-U5	(Dim. 26)	1031-U10

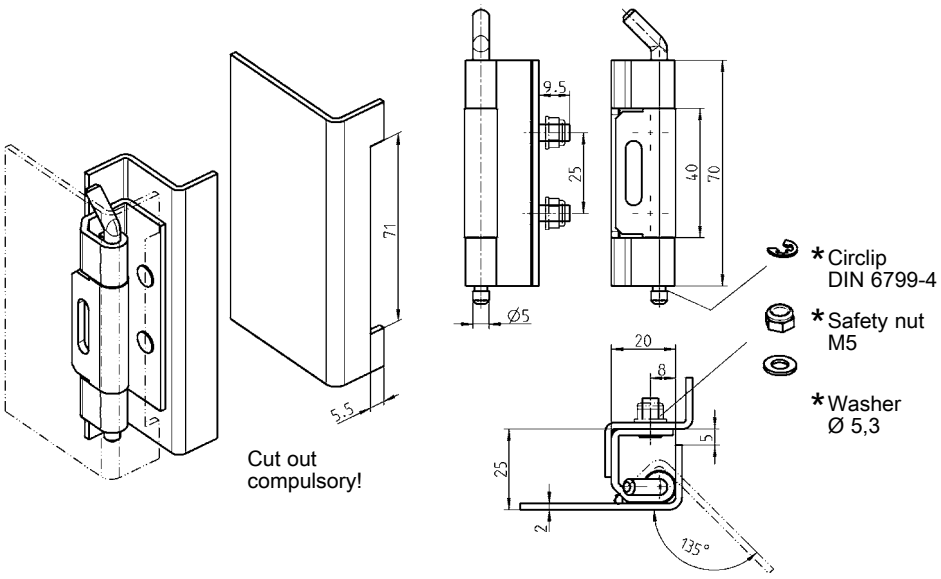
* not included

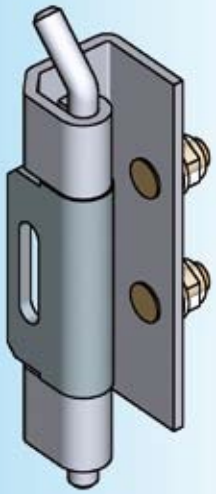
Further parts see page
– Fixing material 12E-100

Hinge

PROGRAM 1069, 1031

135° hinge for 20/25 mm door return

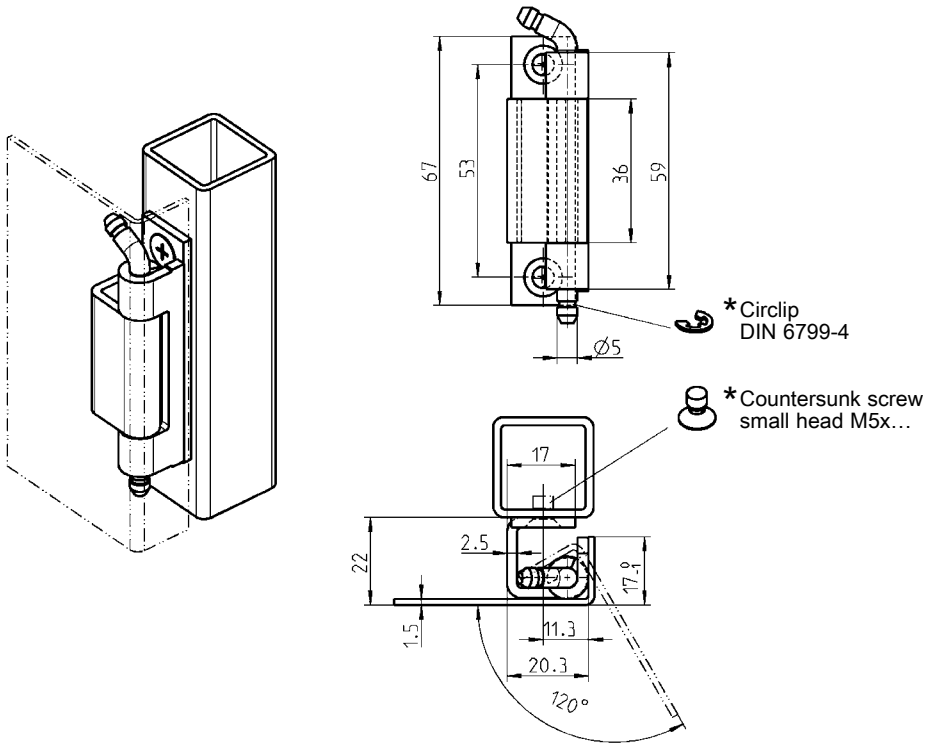


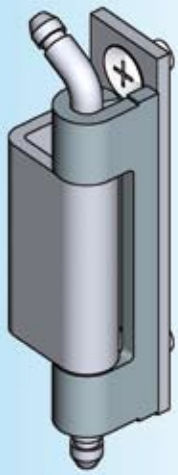


Frame part m.s. zinc pl. with studs M5x12, door part m.s. raw weld-on version, pin m.s. zinc pl.

1069-U7

120° hinge for 22 mm door return





120° hinge m.s. zinc pl., weld-on part m.s. raw

1031-U7

* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– Fixing material 12E-100

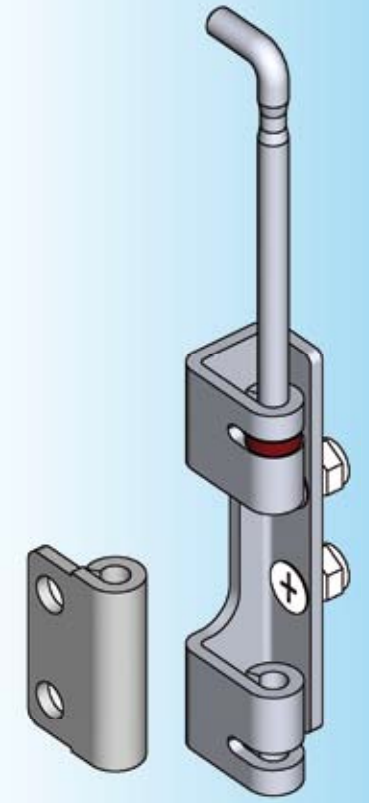
EMKA®

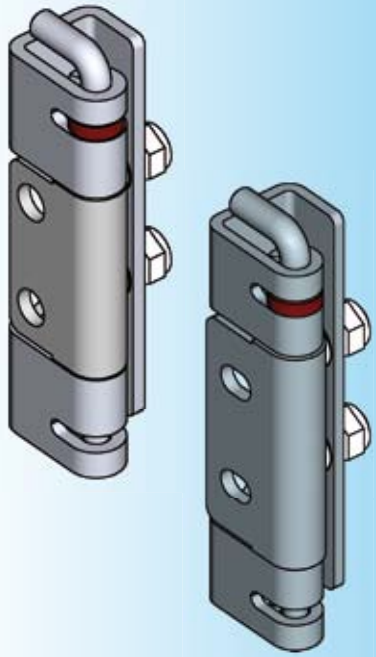
Beschlagteile

125° hinge with captive pin

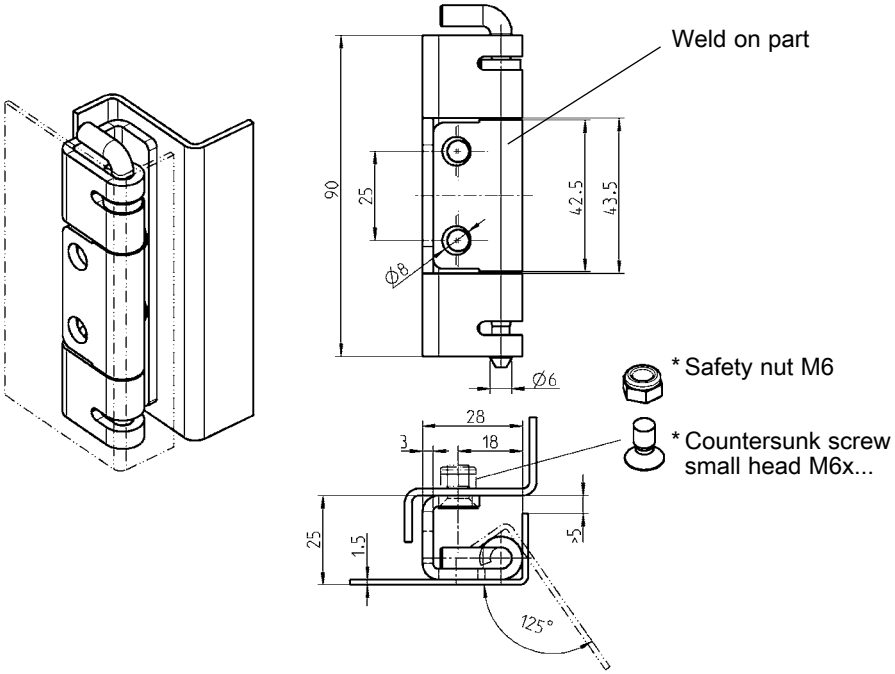
PROGRAM 1031







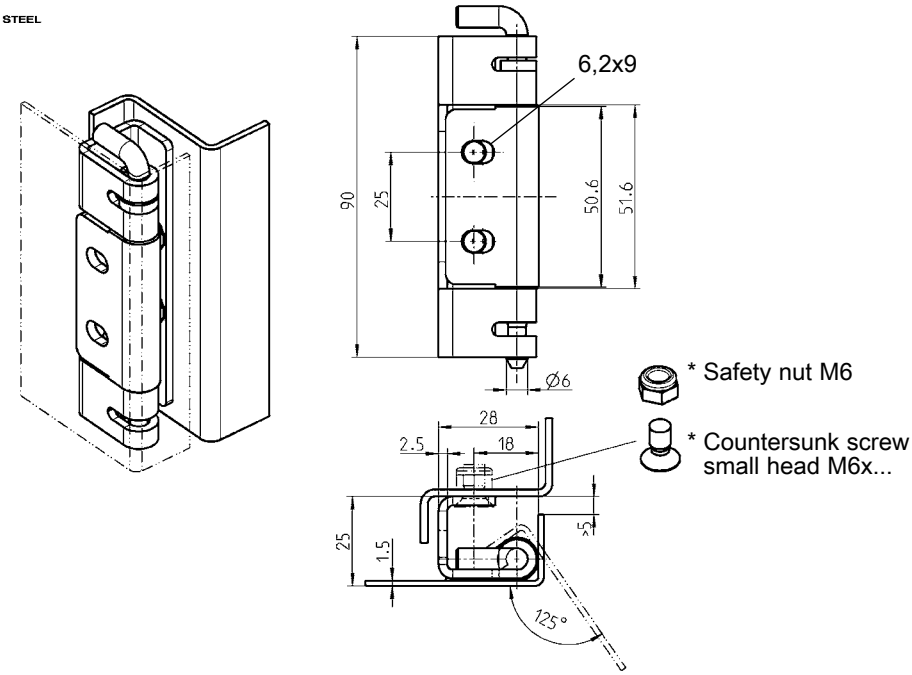
125° hinge for single cabinets
for 25 mm door return



125° hinge m.s zinc plated, door part m.s. raw, pin clamping ring POM red	
	1031-U12

EDELSTAHL Rostfrei STAINLESS STEEL

125° hinge for single cabinets
for 25 mm door return



125° hinge material on choice, pin clamping ring ROM red	
AISI 304	1031-U13
m.s. zinc plated	on request

* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

115° stainless steel hinge with captive pin

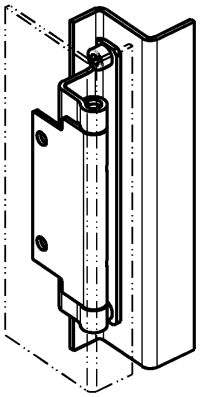
PROGRAM 1031

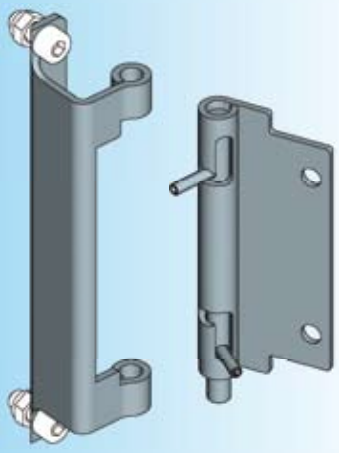
115° hinge for single cabinets
for 26 mm door return

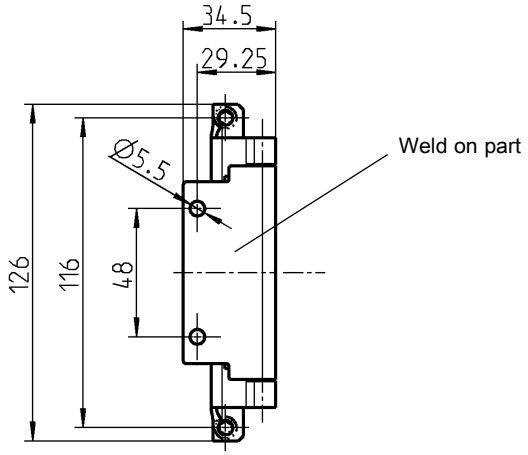
EDELSTAHL Rost frei STAINLESS STEEL

RL

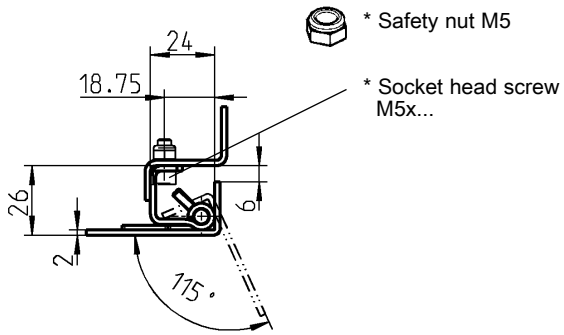
INOX AISI 3..











115° hinge AISI 304

	1031-U14

*** not included**

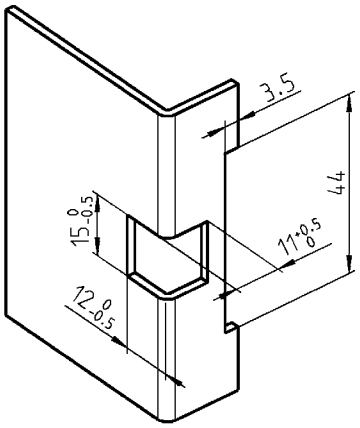
EMKA®

Beschlagteile

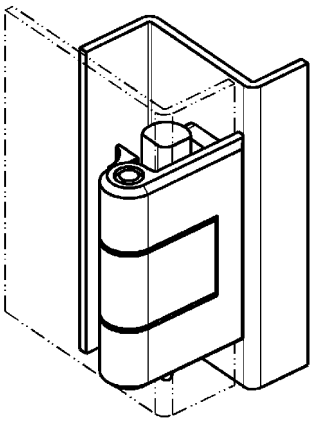
180° hinge

PROGRAM 1110

180° hinge for in-line cabinets with adjacent door
20 mm door return



Cut out



Assembling:
To fix the hinge just knock-in the clamping pin.



Version A



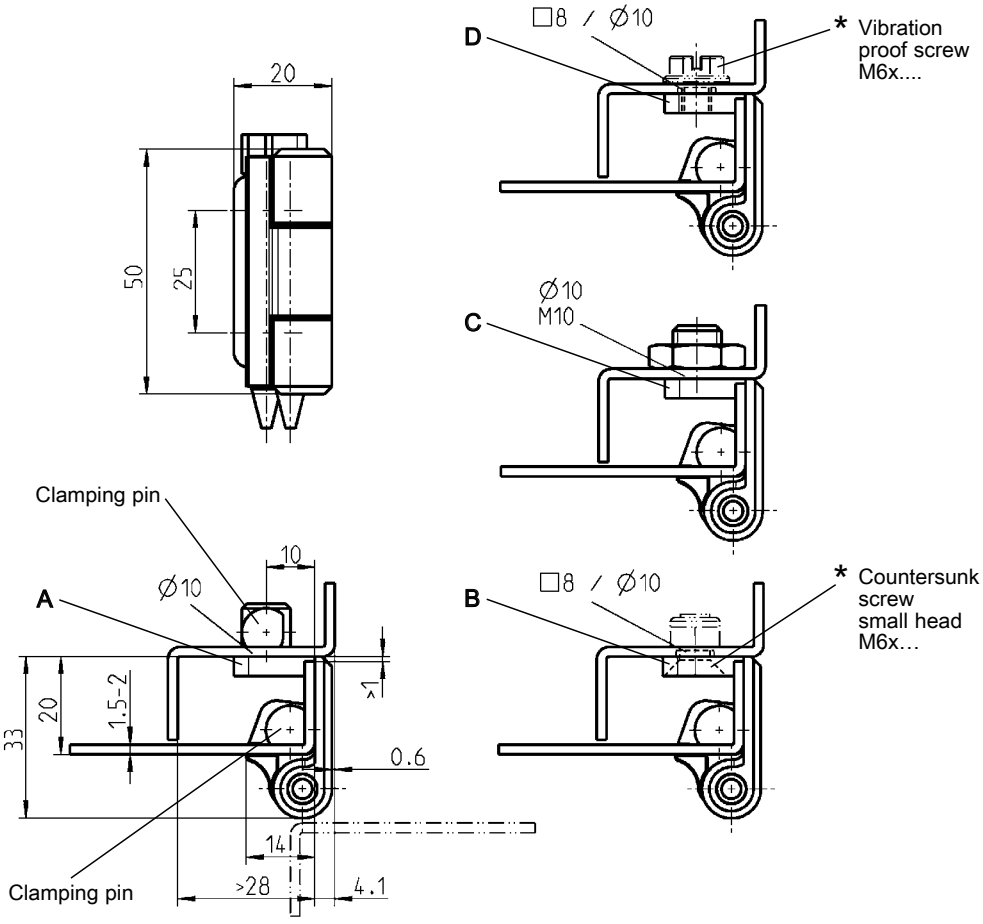
Version B



Version C



Version D



* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

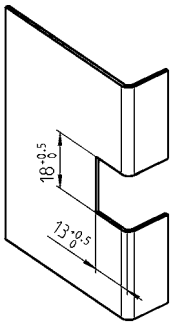
Further parts see page
– 2D-nut 12E-120
– Fixing material 12E-100

Hinge zinc die black p.c., fixing material polyamide GF black, pin stainl. steel, washer and nut m.s. zinc plated	
Version A	1110-U128
Version B (2D-nut possible)	1110-U130
Version C	1110-U129
Version D	1110-U127

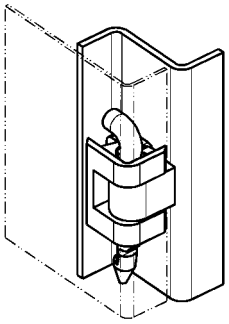
180° hinge

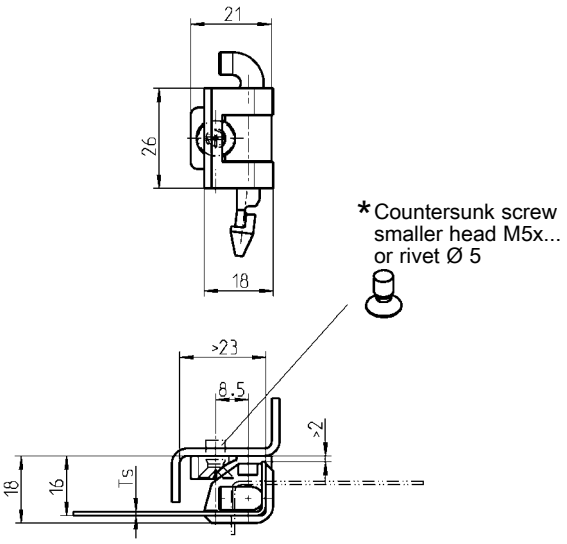
PROGRAM 1110

180° PA-hinge for single cabinets with 16 mm door return



Cut out

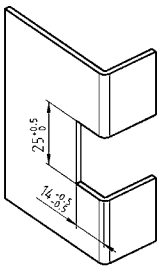




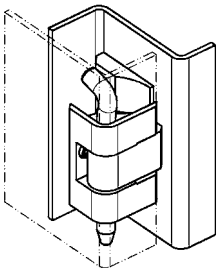


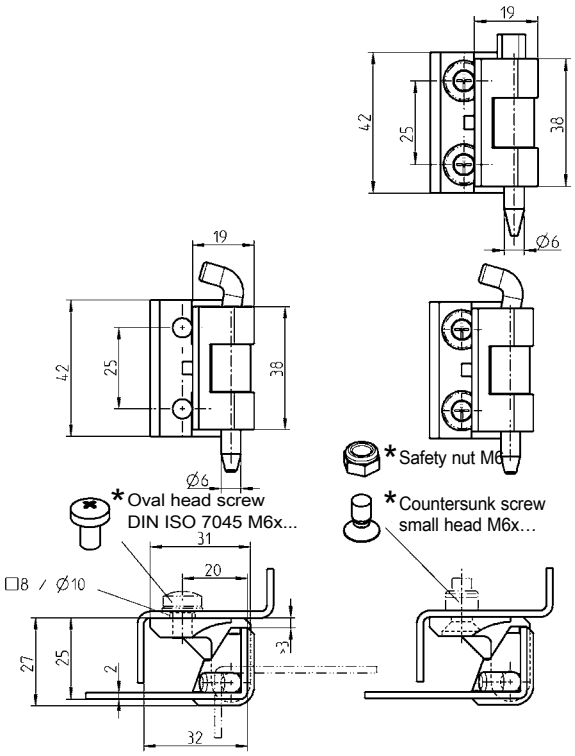
180° hinge polyamide GF black, pin polyamide black	
Ts 1,0 – 1,25 mm	1110-U23
Ts 1,5 – 2,0 mm	1110-U24

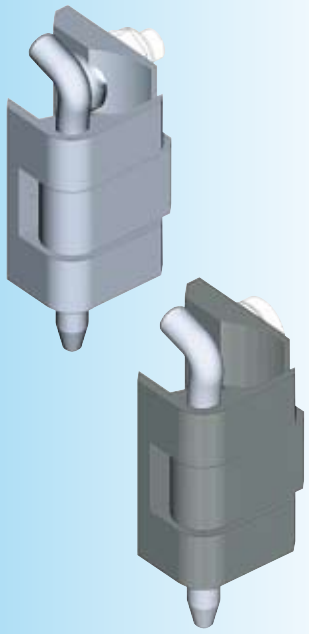
180° hinge for single cabinets for 25 mm door return



Cut out







180° hinge zinc die, pin m.s. zinc pl.	chrome plated	black powder coated
Locking screw M6	1110-U20	1110-U22
Countersunk screw M6 (2D-nut possible)	1110-U19	1110-U21
180° hinge polyamide GF black, pin polyamide black		
Countersunk screw M6 (2D-nut possible)		1110-U125

*not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– 2D-nut 12E-120
– Fixing material 12E-100

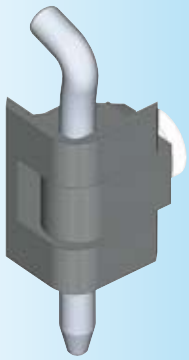
EMKA®

Beschlagteile

180° hinge

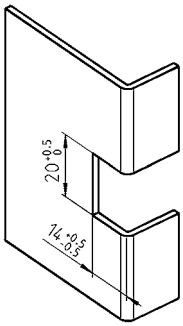
PROGRAM 1110



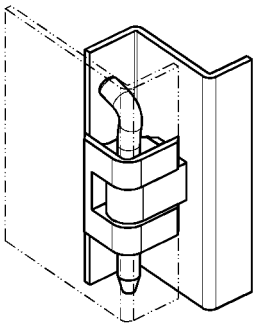


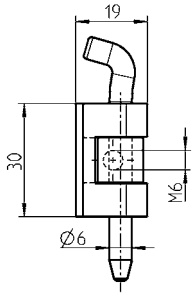
EDELSTAHL Rost frei STAINLESS STEEL

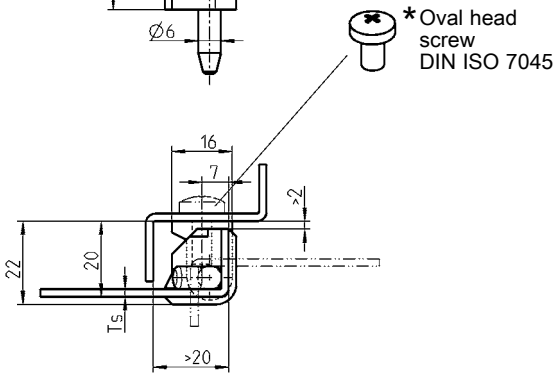
180° hinge for single cabinets for 20 mm door return



Cut out



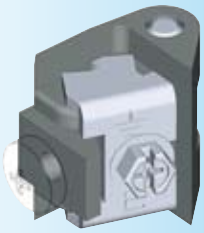




for gasket 25

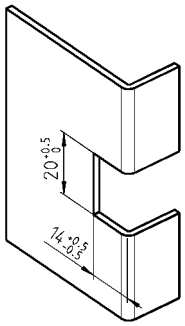
180° hinge zinc die and pin m.s. zinc pl. or AISI 316 and pin 303		
	Ts 0.8 – 1.0	Ts 1.5 – 2.0
zinc die chrome pl.	–	1110-U2
zinc die black p.c.	–	1110-U3
AISI 316	1110-U51	1110-U50



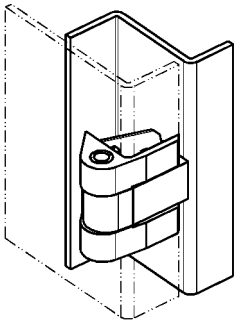


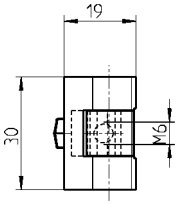
EDELSTAHL Rost frei STAINLESS STEEL

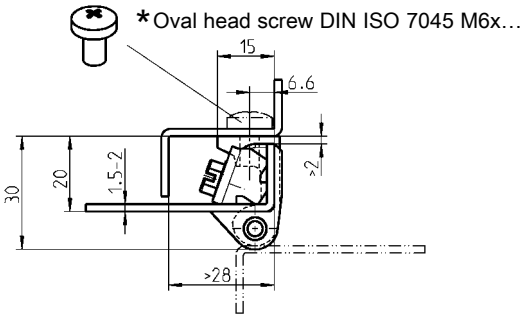
180° hinge for in-line cabinets with adjacent door for 20 mm door return



Cut out







180° hinge zinc die or AISI 316, with fixing material m.s. zinc pl. or AISI 303	
chrome plated	1110-U4-N
black powder coated	1110-U5-N
AISI 316	1110-U5-NPH

* not included

180° hinge stainless steel

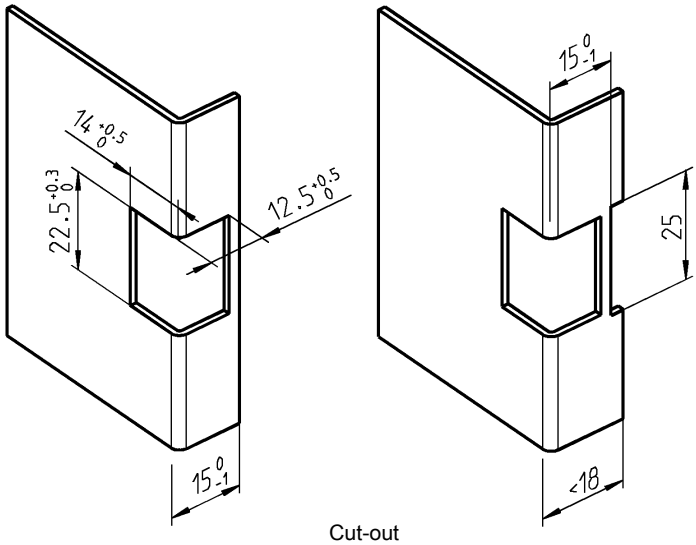
PROGRAM 1110

180° hinge for single cabinets for 20 mm door return

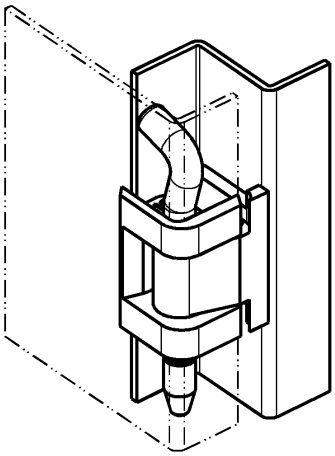
EDELSTAHL Rostfrei STAINLESS STEEL

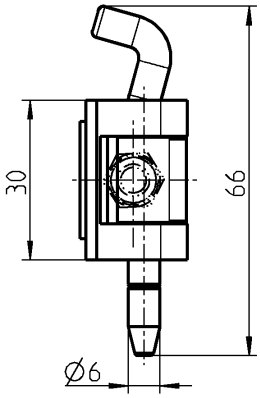
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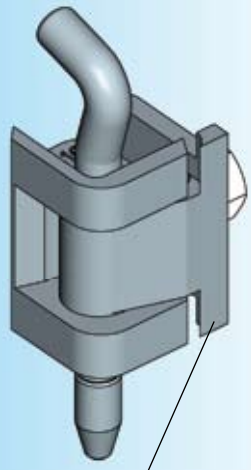
INOX AISI 3..



Cut-out
on choice

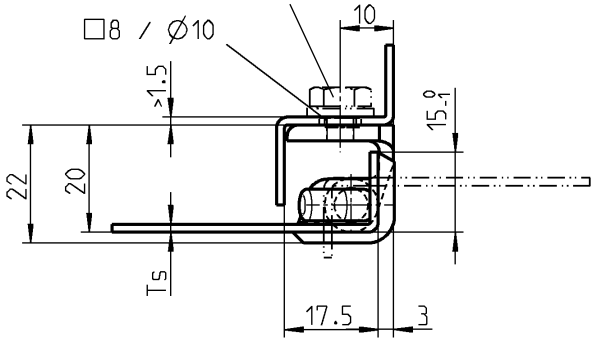






Frame part with
M6-thread and
spigot

* Washer DIN ISO 7089 - 6 and
hexagon screw DIN ISO 4017 M6 x 6
for metal gauge 1.5



180° hinge AISI 316, pin AISI 303	
Ts 1.5	1110-U131
Ts 2.0	1110-U132

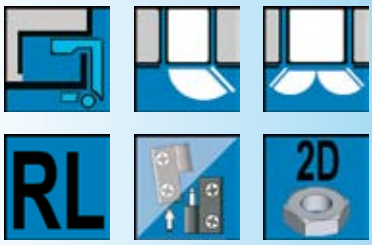
* not included

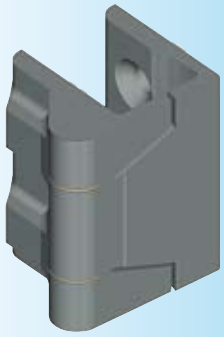
EMKA®

Beschlagteile

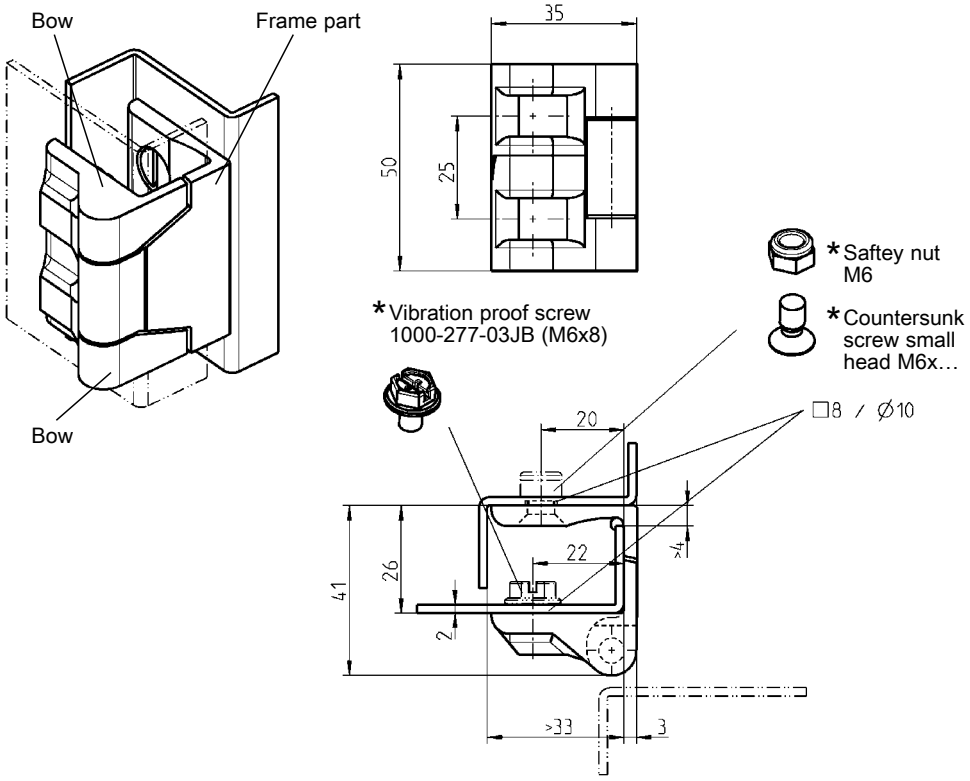
180° hinge

PROGRAM 1110



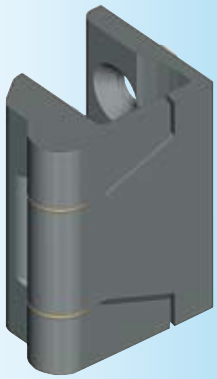


180° hinge for in-line cabinets with single door
135° lift-off version for 25 mm door return

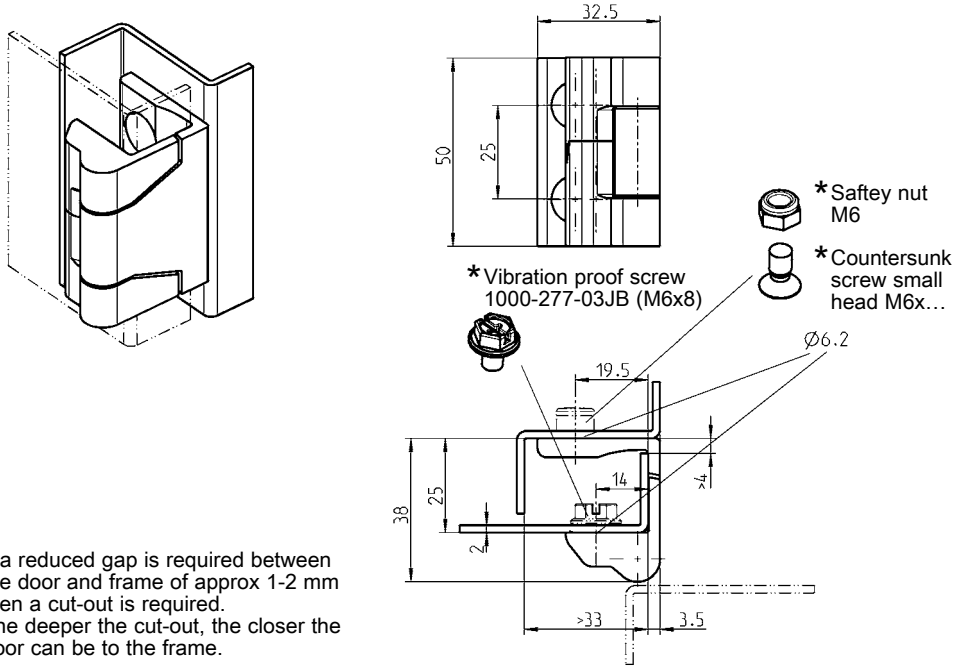


180° hinge zinc die, pin stainl. steel and brass washer	
black powder coated	1110-U52
chrome plated	1110-U53

180° hinge for in-line cabinets with single door
lift-off version for 25 mm door return



Note:
Lift-off by removing the lower door part



If a reduced gap is required between the door and frame of approx 1-2 mm then a cut-out is required.
The deeper the cut-out, the closer the door can be to the frame.

* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page

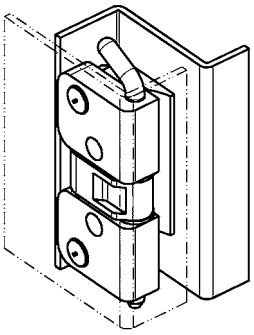
– 2D-nut 12E-120
– Fixing material 12E-100

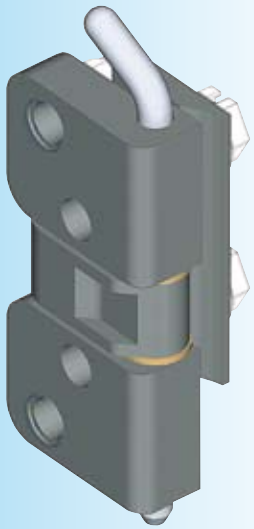
180° hinge zinc die black p.c., hinge pin m.s. zinc pl. and brass washer	
	1110-U123

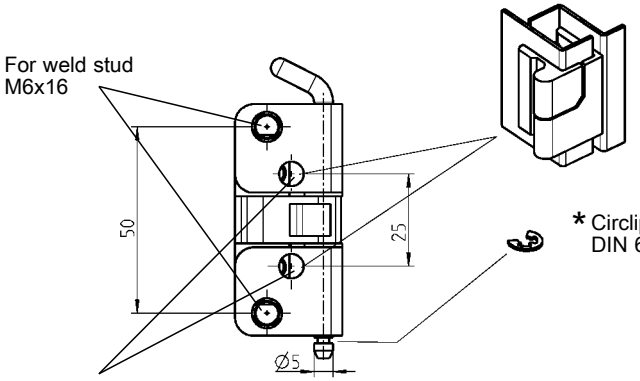
120° hinge

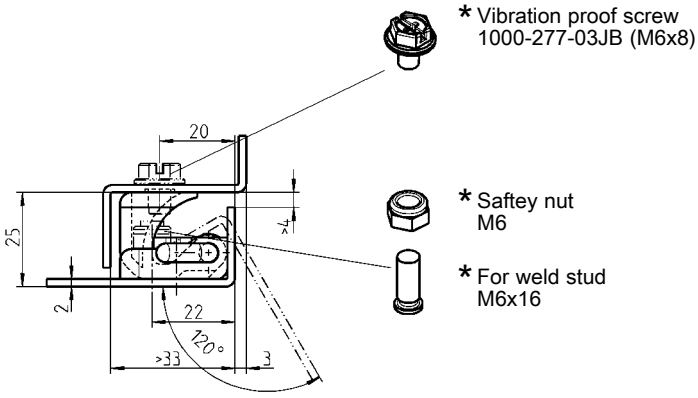
PROGRAM 1110

120° hinge for in-line cabinets with single door
for 25 mm door return









Available on request chrome plated
and with further RAL-colours.

* not included

Further parts see page
– Fixing material 12E-100

120° hinge zinc die black p.c., pin m.s. zinc pl.	
	1110-U86

EMKA®

Beschlagteile

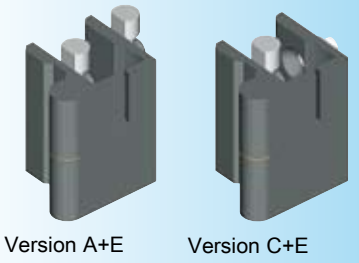
180° hinge

PROGRAM 1110

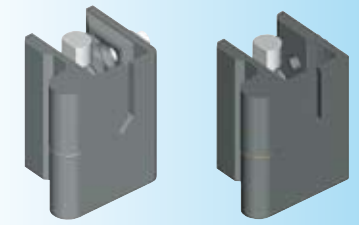


EDELSTAHL Rostfrei STAINLESS STEEL

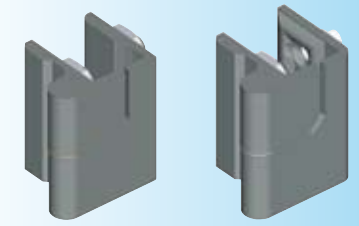
180° hinge for in-line cabinets with adjacent door lift-off upon 70° opening angle for 26 mm door return



Version A+E | Version C+E

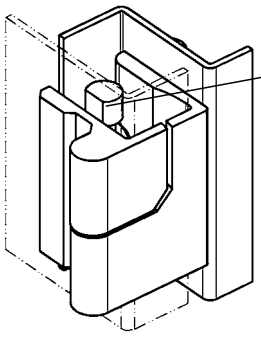


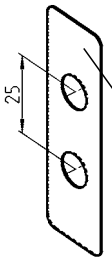
Version C+E | Version D+E



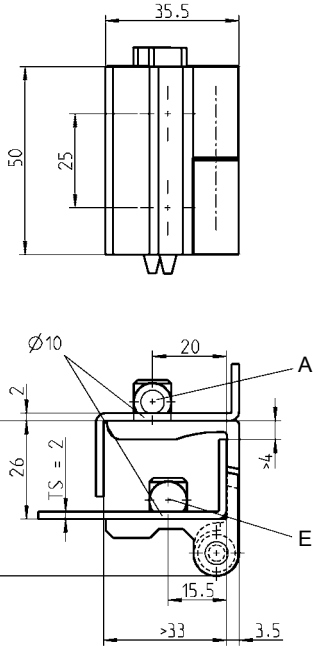
Version B+F | Version C+F

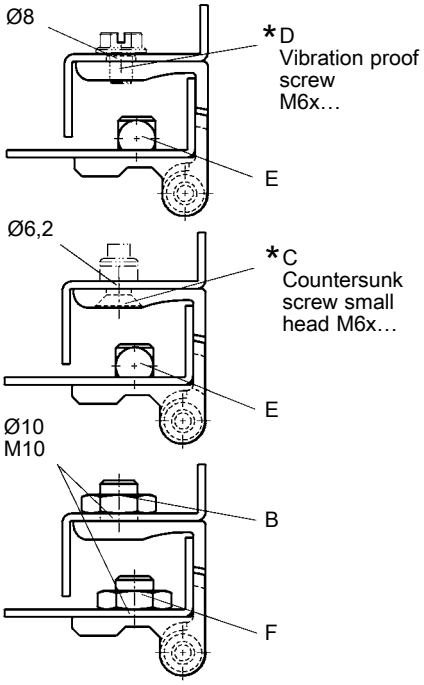
Version for Ts = 2





Spacer plate has to be ordered sep. for different door gauges (one plate per clamping bar)





* not included

** 2D-nut possible

Note:
Detachable from 70 ° viewing angle, but not hinge bracket in AISI and St

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– 2D-nut 12E-120
– Fixing material 12E-100

180° hinge zinc die black p.c. clamping pin polyamide GF black hinge pin stainl. steel and brass washer, nut m.s. zinc pl.		
Version	**LH**	**RH**
A+E	1110-U71	1110-U68
C+E **(2D)	1110-U69	1110-U66
D+E	1110-U70	1110-U67
B+F	1110-U109	1110-U106
C+F **(2D)	1110-U107	1110-U104
D+F	1110-U108	1110-U105

180° hinge, frame part m.s. black p.c. door part zinc die black p.c., clamping pin polyamide GF black, hinge pin stainl. steel, nut m.s. zinc pl.		
Version	**LH**	**RH**
C+E **(2D)	1110-U118	1110-U119
C+F **(2D)	1110-U120	1110-U121
180° hinge AISI 316, hinge pin and nut AISI 304		
C+F **(2D)	1110-U120-PH	1110-U121-PH

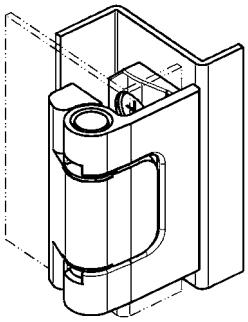
Support plate 304 (1x per pin fixing)	
for Ts 1,0	1110-39-01
for Ts 1,5	1110-39

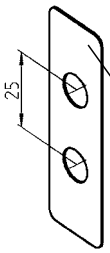
180° hinge

PROGRAM 1110

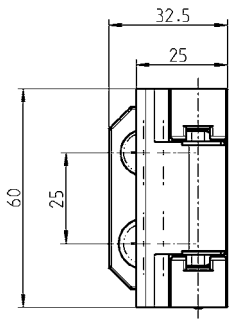
180° hinge for in-line cabinets with single door
lift-off upon 90° opening angle for 25 mm door return

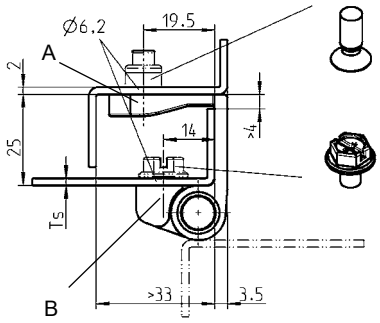
Version for
Ts = 1.5 - 1.8 and 2





Spacer plate has to be ordered
sep. for different door gauges
(one plate per clamping bar)







*Saftey nut
M6

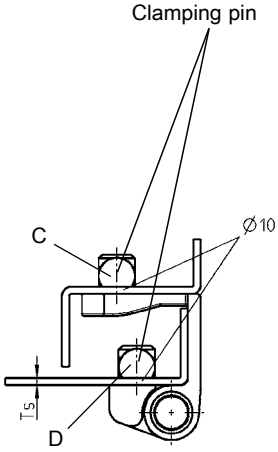


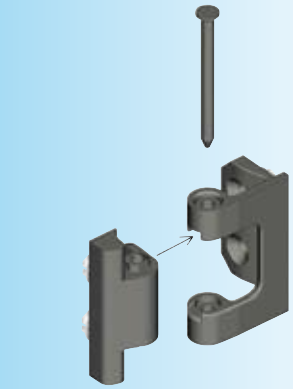
*Countersunk screw
small
head M6x…



*Vibration proof
screw
1000-277-02JB
(M6x6)

Clamping pin









180° hinge zinc die black p.c., clamping pin polyamide GF black, hinge pin and clip polyamide GF black	
Version	**Ts = 2.0**
A + B, screw (2D-nut possible)	1110-U122
C+D, clamp	1110-U126
180 ° hinge, hinge bracket black powder coated die-cast zinc, polyamide hinge bracket 66 GF 50 black, mounting pin polyamide black, pin and disc polyamide black	
Version	**Ts = 1.5 - 1.8**
A + D, bolted and clamped (2D-nut used)	1110-U133
Support plate 304 (1x per pin fixing)	
or Ts 1.0 (1110-U126 ,for Ts 0.8 (1110-U133)	1110-39-01
for Ts 1.5 (1110-U126), for Ts 1.0 to 1.3 (1110-U133)	1110-39

* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Further parts see page
– 2D-nut 12E-120
– Fixing material 12E-100

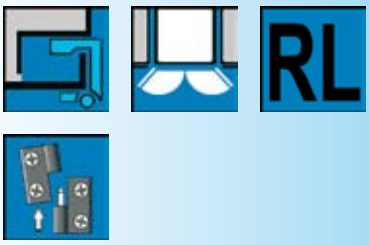
EMKA®

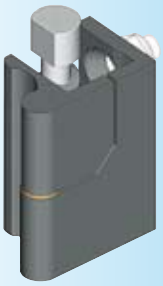
Beschlagteile

180° hinge

PROGRAM 1110

180° hinge for in-line cabinets with adjacent door lift-off upon 70° opening angle for 20 mm door return





Version A

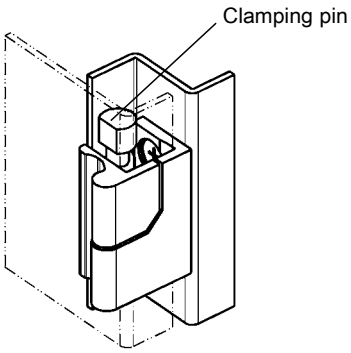


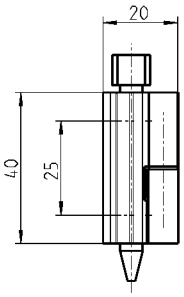
Version B

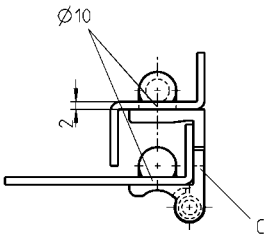


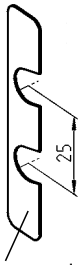
Version C

Version for Ts = 2

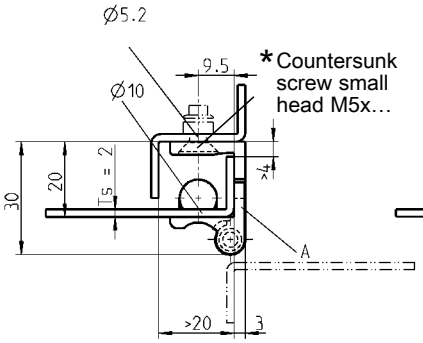


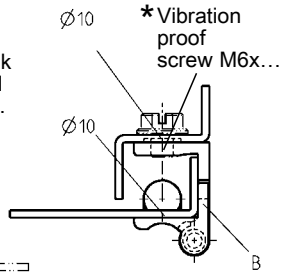


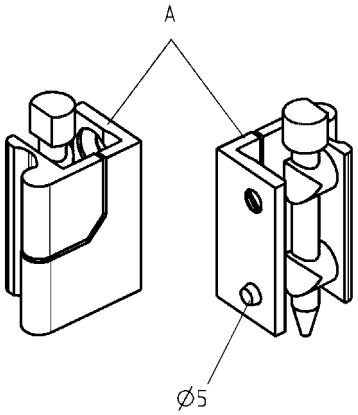




Spacer plate has to be ordered sep. for different door gauges (one plate per clamping bar)







Only for version A

Available on request chrome plated and with further RAL-colours

180° hinge zinc die black powder coated, clamping pin polyamide GF black, hinge pin stainless steel and washer brass		
Version A	RH	1110-U78
	LH	1110-U81
Version B	RH	1110-U79
	LH	1110-U82
Version C	RH	1110-U80
	LH	1110-U83
Support plate 304 (1x per pin fixing)		
for Ts 1,0		1110-39-03
for Ts 1,5		1110-39-02

* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

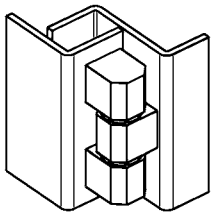
Further parts see page
– Fixing material 12E-100

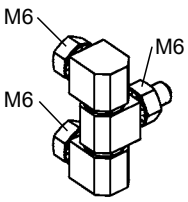
Screw-on hinge

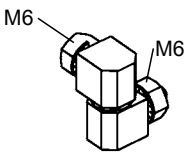
PROGRAM 1055, 1039

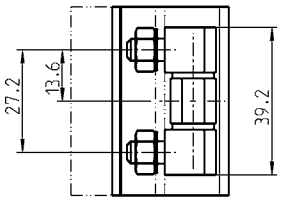
180° screw-on hinge

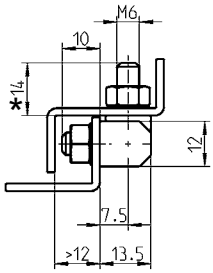
EDELSTAHL Rostfrei STAINLESS STEEL



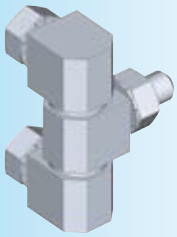


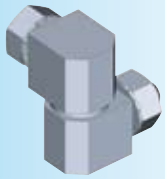






* = 10 mm with two parts of hinge

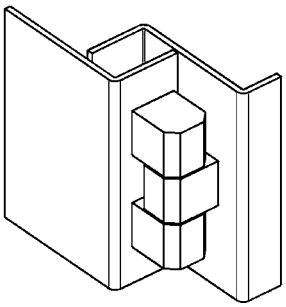


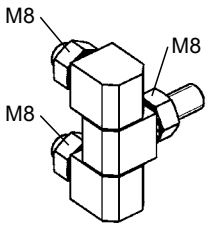


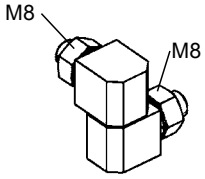
180° screw-on hinge m.s. zinc pl., pin and washer brass nickel pl. or stainl. steel		
– three-pieces	m.s.	1055-U2
	AISI 303	1055-U6
	AISI 316	1055-U8
– two-pieces	m.s.	1055-U5

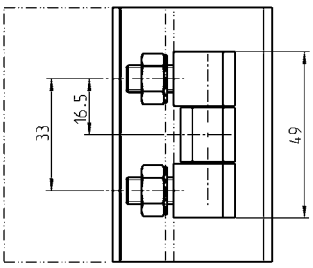
180° screw-on hinge

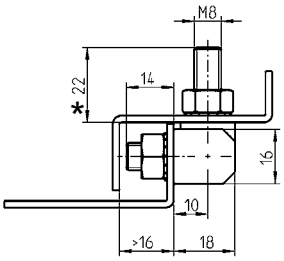
EDELSTAHL Rostfrei STAINLESS STEEL



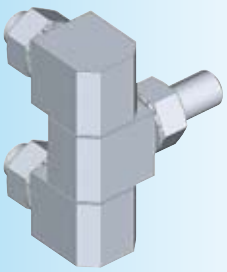


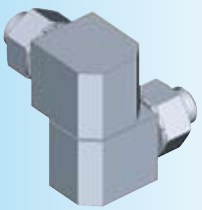






* = 14 mm with two parts of hinge





180° screw-on hinge m.s. zinc pl., pin and washer brass nickel pl. or stainl. steel		
– three-pieces	m.s.	1039-U12
	AISI 303	1039-U19
	AISI 316	1039-U26
– two-pieces	m.s.	1039-U17

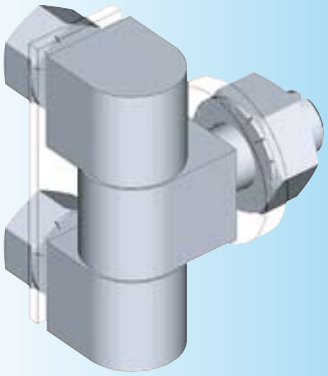
EMKA®

Beschlagteile

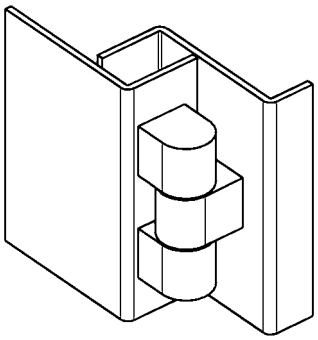
Hinge

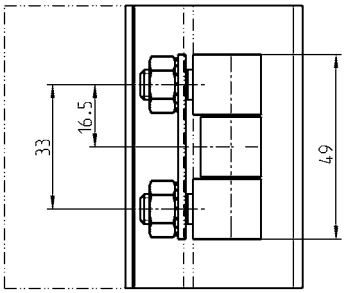
PROGRAM 1039, 1035

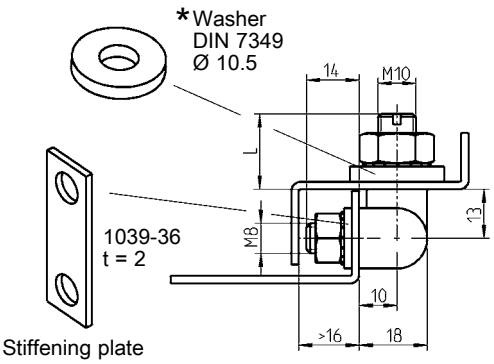




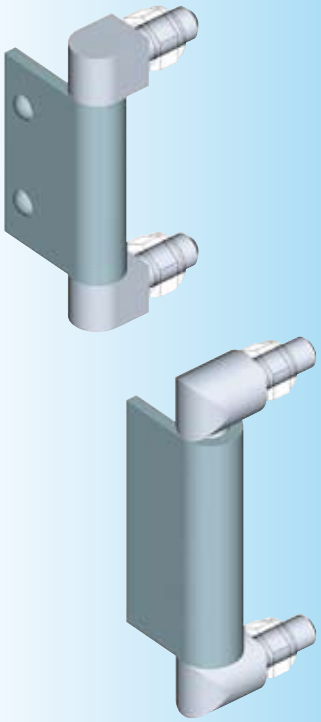
180° screw-on hinge
for pressure resistant doors



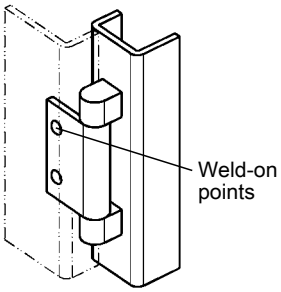


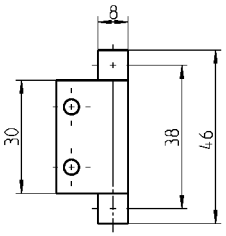


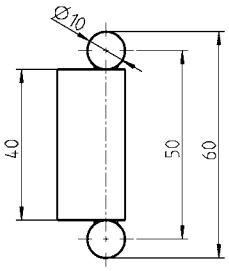
180° screw-on hinge m.s. zinc pl., pin and washer brass nickel pl.		
Stud	L = 20 mm	1039-U6
	55 mm	1039-U7
	65 mm	1039-U8
Stiffening plate m.s. zinc pl.		
		1039-36

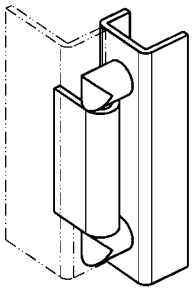


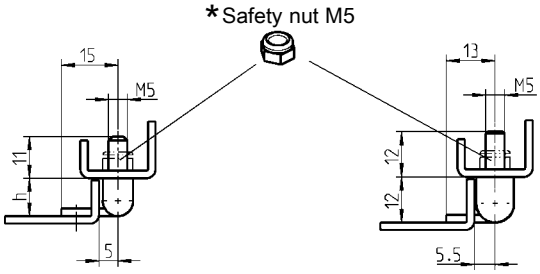
180° hinge











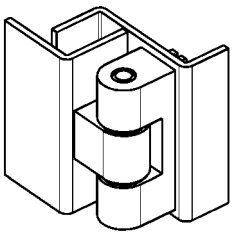
180° hinge m.s. zinc pl. weld-on part m.s. raw		180° hinge m.s. zinc pl. weld-on part m.s.raw	
H= 10	1035-U1		1035-U2
12	1035-U3		

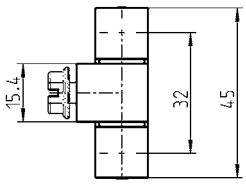
* not included

Hinge

PROGRAM 1054, 1105

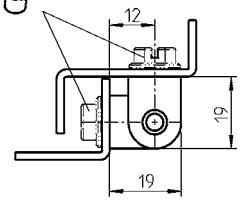
180° screw-on hinge

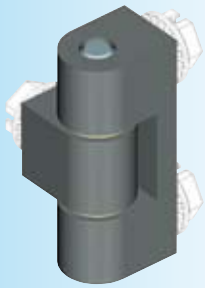






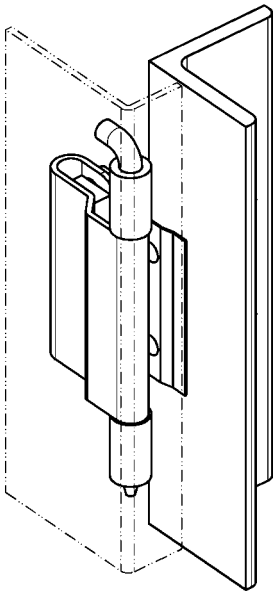
*Locking screw
1000-277-03JB (M6x8)

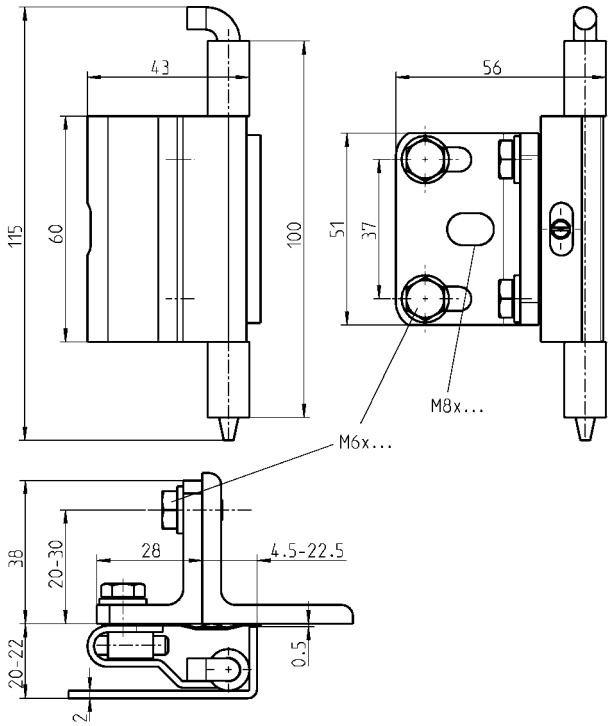


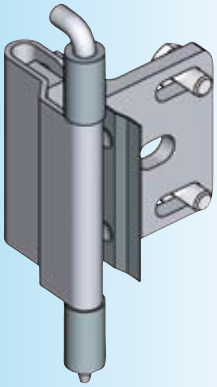


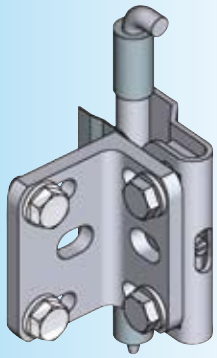
180° screw-on hinge zinc die, pin stainl. steel and bushes polyamide	
chrome plated	1054-U1
black powder coated	1054-U30

130° spring loaded hinge









130° spring loaded hinge m.s. pl., door part m.s. raw, spring stainl. steel	
	1105-U1

* not included

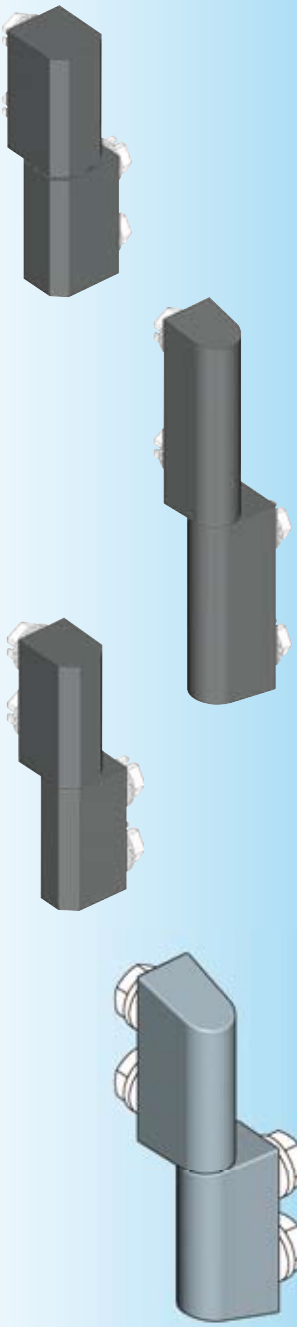
EMKA®

Beschlagteile

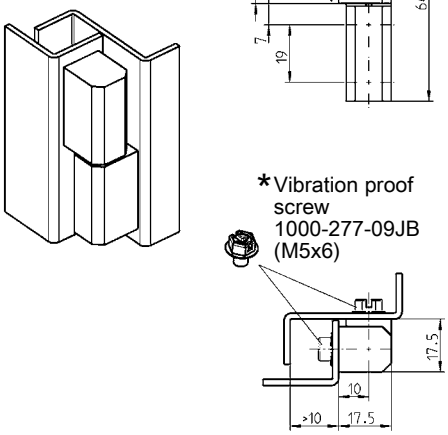
Screw-on hinge

PROGRAM 1056, 1079



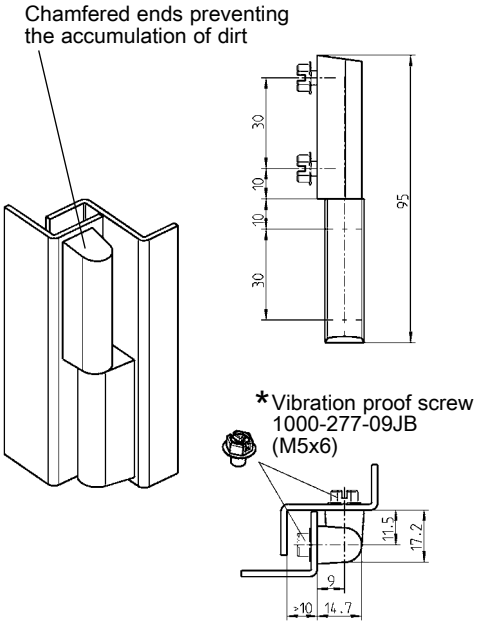


180° screw-on hinge zinc die



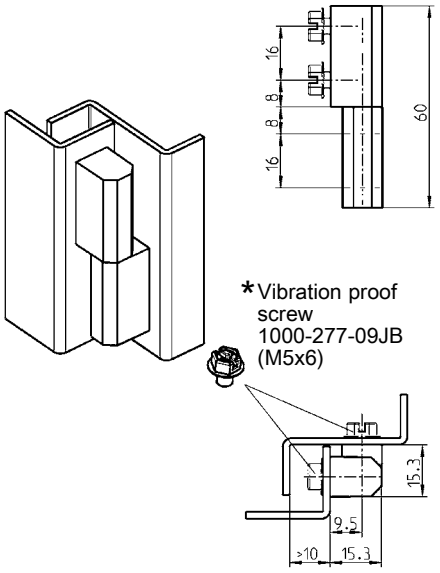
180° screw-on hinge zinc die black powder coated	
	1056-U34

180° plastic screw-on hinge



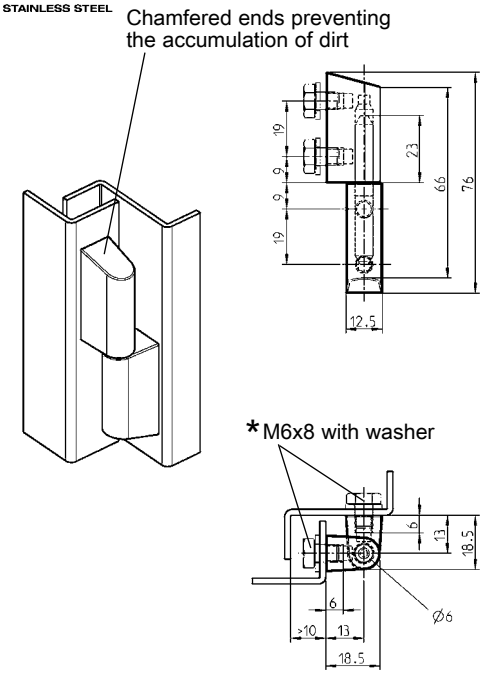
Plastic screw-on hinge polyamide GF black, pin stainl. steel and insert m.s. raw	
	1079-U2

180° plastic screw-on hinge



Plastic screw-on hinge polyamide GF black, pin stainl. steel and insert m.s. raw	
	1079-U4

EDELSTAHL Rostfrei® STAINLESS STEEL 180° Stainless steel screw-on hinge

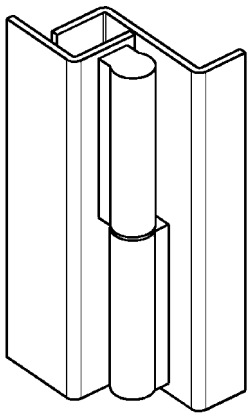


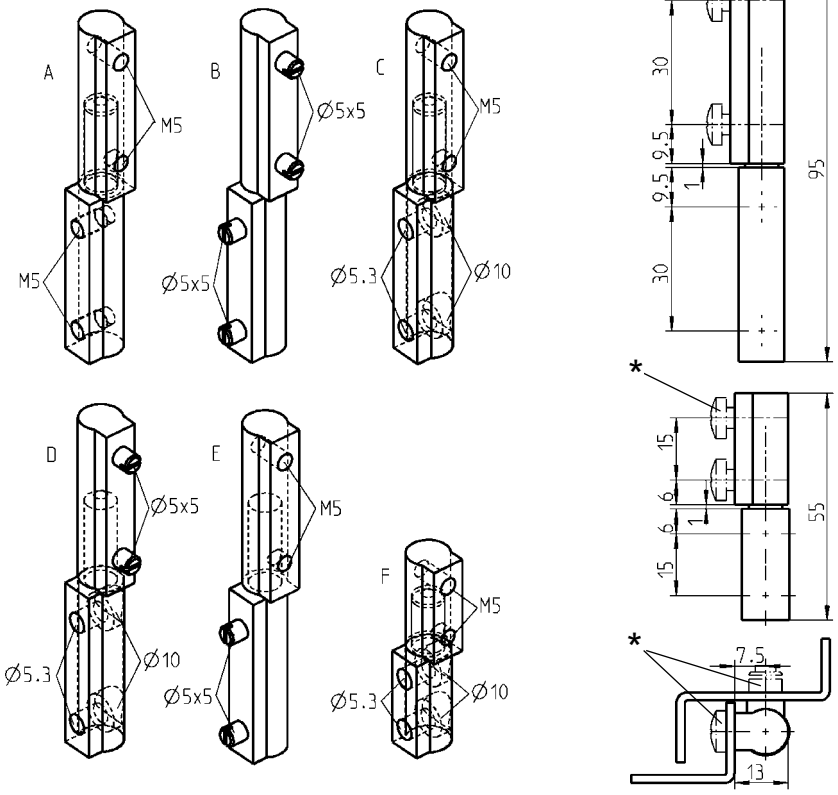
Stainless steel screw-on hinge AISI 316	
	1079-U5-PH

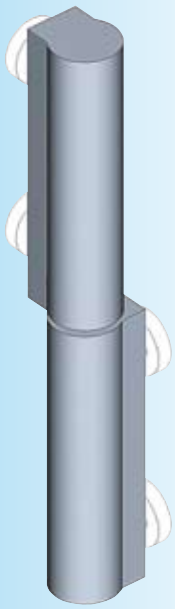
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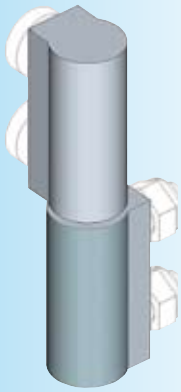
Profile hinge

PROGRAM 1036









Profile hinge m.s. zinc pl., with weld-on studs m.s. raw, cover s.s.	
A	1036-U2
B	1036-U3
C **	1036-U4
D **	1036-U5
E	1036-U6
F **	1036-U7
** = with escutcheon bush	

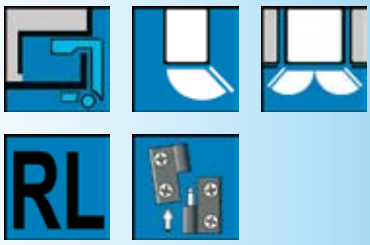
* not included

EMKA®

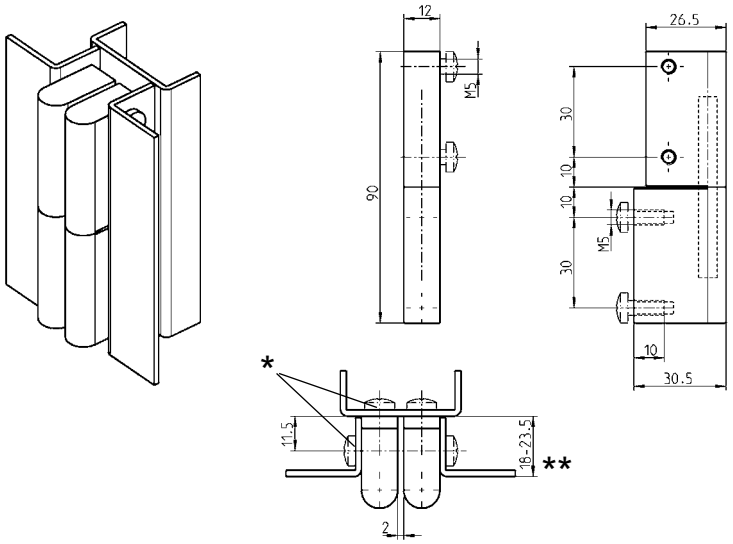
Beschlagteile

Hinge

PROGRAM 1033, 1036



Screw-on hinge



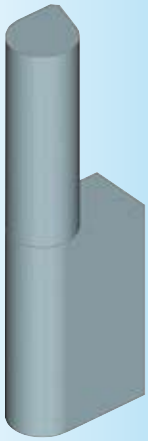


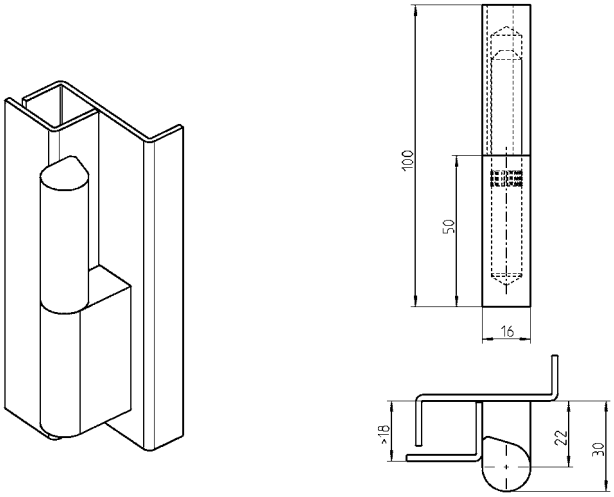
* not included

** If 18 mm, the opening angle of 180° for in-line cabinets with double doors is possible

Screw-on hinge zinc die, pin stainl. steel	
chrome plated	1036-U9
black powder coated	1036-U10

180° hinge for in-line cabinets with single door





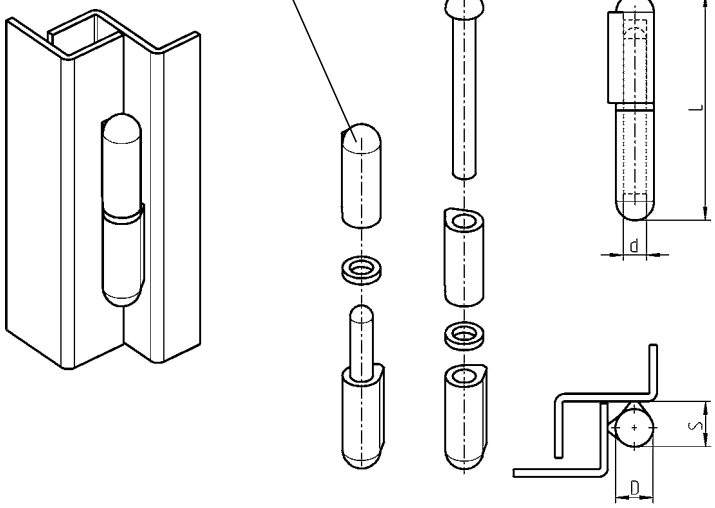
180° weld-on hinge m.s. raw	
	1033-U44

Hinge

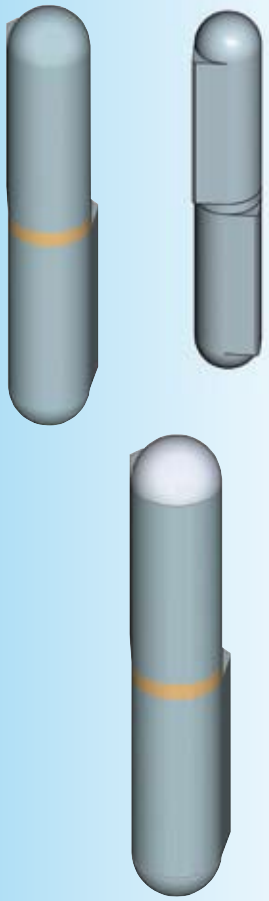
PROGRAM 1033

EDELSTAHL Rostfrei STAINLESS STEEL

Weld-on hinge







Version with captive pin, material on choice

L	D	d	S	m.s. raw m.s. pin	m.s. raw brass pin	AISI 304 AISI 304 pin
40	8	5	9,5	1033-U1*	1033-U14*	1033-U76
50	8	5	9,5	1033-U2*	1033-U15*	1033-U77
60	10	6	12,0	1033-U3*	1033-U16*	1033-U70
70	11,5	7	13,5	1033-U4*	1033-U17*	1033-U78
80	13	8	15,5	1033-U5*	1033-U18*	1033-U71
100	16	10	20,0	1033-U7*	1033-U20*	1033-U72
120	16	11	20,0	1033-U8*	1033-U21*	1033-U73
135	18	12	22,0	1033-U9	1033-U22	1033-U79
150	20	13	25,0	1033-U11	1033-U24	1033-U74
180	20	14	25,0	1033-U13*	1033-U26*	1033-U75
200	23	16	28,5	1033-U60	1033-U61	-

* = to be in stock

Version with loose pin, material on choice

L	D	d	S	m.s. raw m.s. pin	m.s. raw brass pin	AISI 304 AISI 304 pin
40	8	5	9,5	1033-U27	1033-U35	-
50	8	5	9,5	1033-U55	1033-U56	-
60	10	6	12,0	1033-U28	1033-U36	-
70	11,5	7	13,5	1033-U57	1033-U58	-
80	13	8	15,5	1033-U29	1033-U37	-
100	16	10	20,0	1033-U30	1033-U38	-
120	16	11	20,0	1033-U31	1033-U39	-
135	18	12	22,0	1033-U32	1033-U40	-
150	20	13	25,0	1033-U33	1033-U41	-
180	20	14	25,0	1033-U34	1033-U42	-
200	23	16	28,5	1033-U63	1033-U64	-

For the version with captive pin, the upper part can be ordered, on request, with lubricating nipple starting with L-dimension of 80 mm.

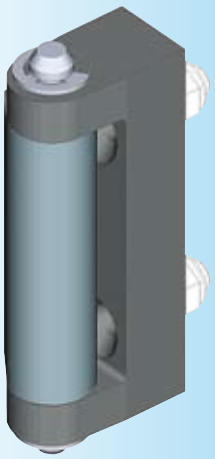
On request, weld-on aluminium hinges!

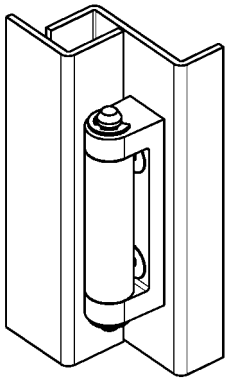
EMKA®

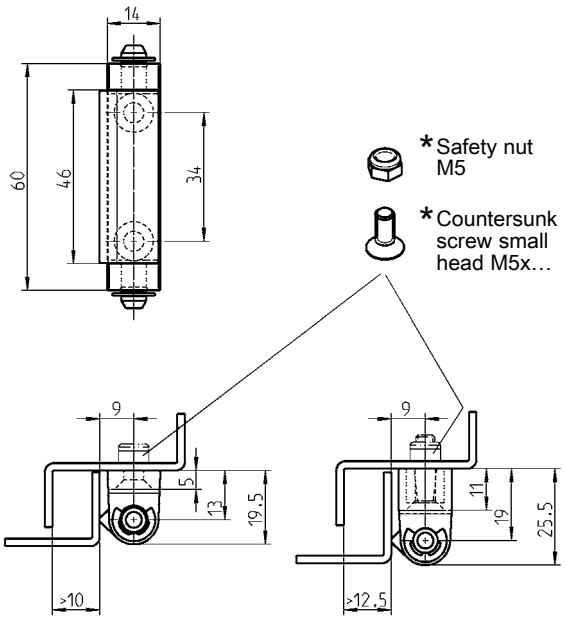
Beschlagteile

Hinge

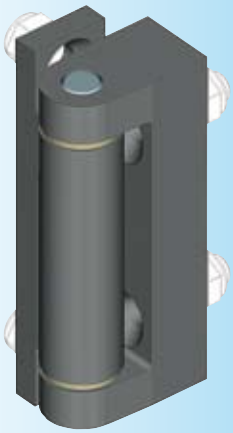
PROGRAM 1054

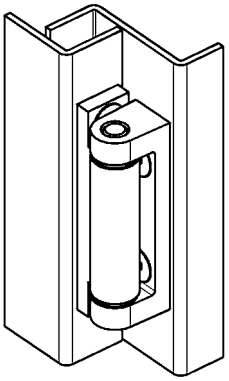


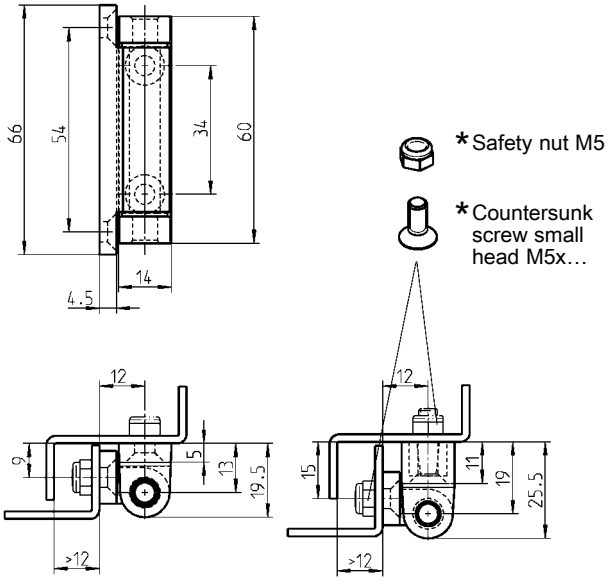




Hinge zinc die, door part m.s. raw, pin and washer m.s. zinc pl.		
chrome plated	1054-U2	1054-U14
black powder coated	1054-U8	1054-U15
raw	1054-U26 **	1054-U25 **
**=Minimum order quantity: 1000 pieces		







Hinge zinc die, pin stainl. steel and bushes polyamide		
chrome plated	1054-U3	1054-U16
black powder coated	1054-U9	1054-U17
raw	1054-U23 **	1054-U24 **
** = Minimum order quantity: 1000 pieces		

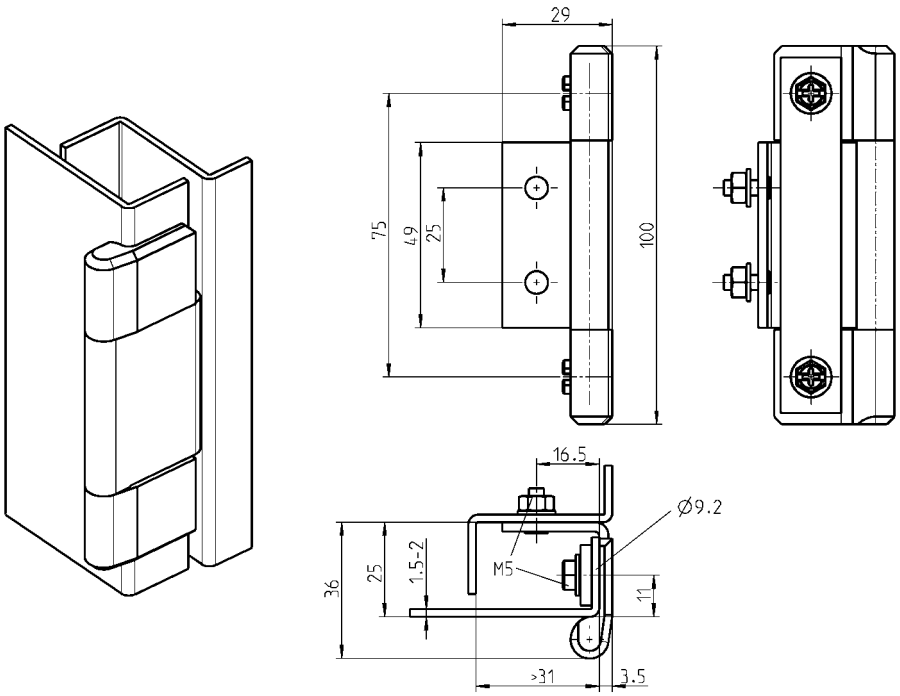
* not included

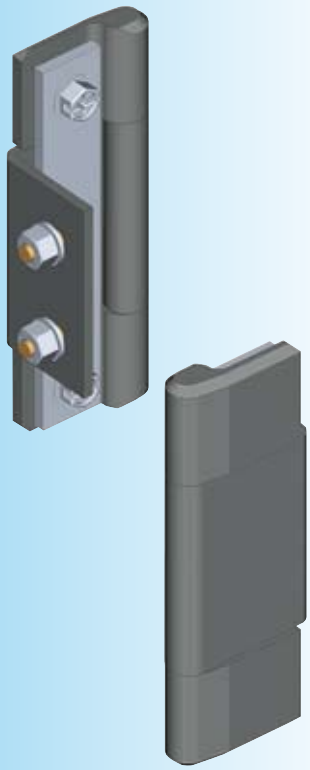
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

180°hinge

PROGRAM 1110

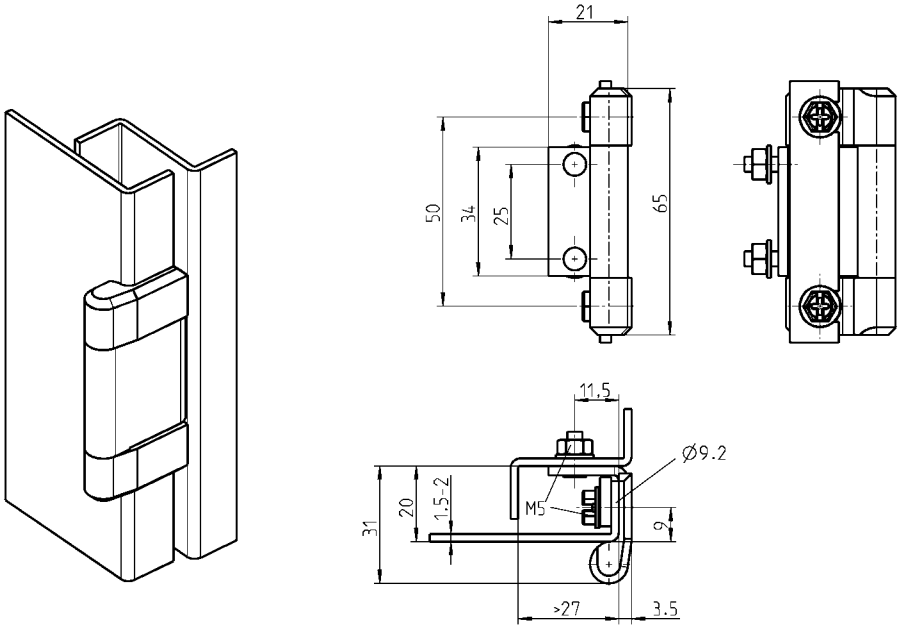
**180° hinge for in-line cabinets with adjacent door
for 25 mm door return**

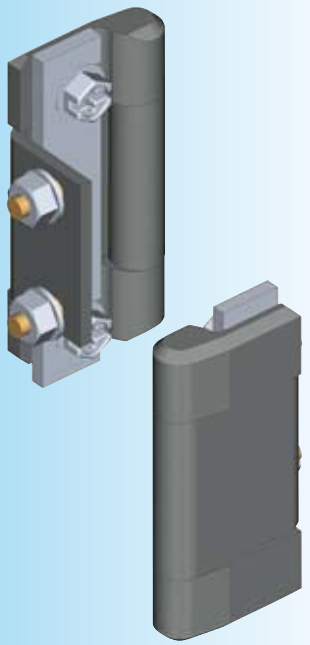




180° hinge zinc die and m.s. black p.c., fixing material m.s. zinc pl.	1110-U26

**180° hinge for in-line cabinets with adjacent door
for 20 mm door return**





180° hinge zinc die and m.s. black p.c., fixing material m.s. zinc pl.	1110-U114

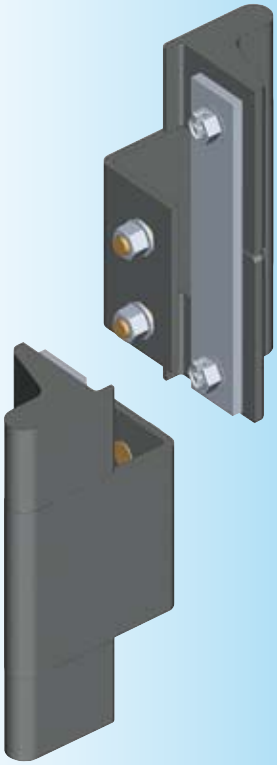
EMKA®

Beschlagteile

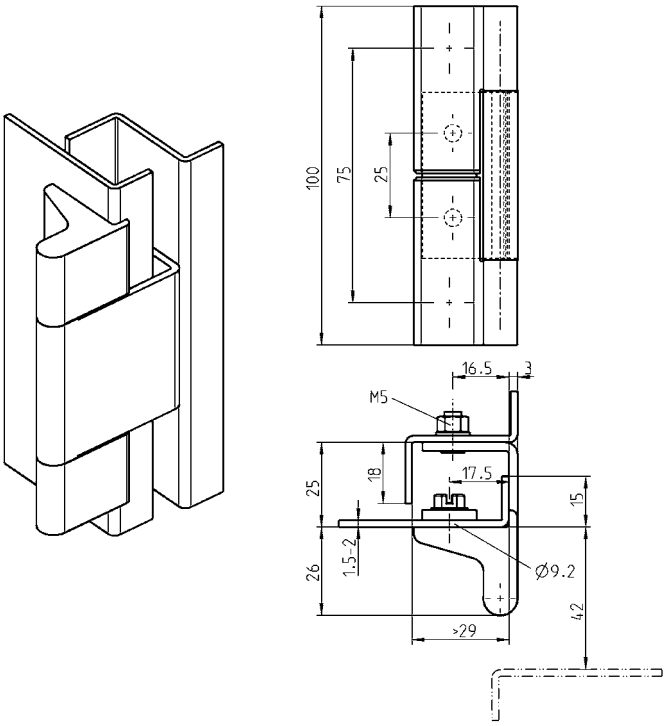
180°hinge

PROGRAM 1110

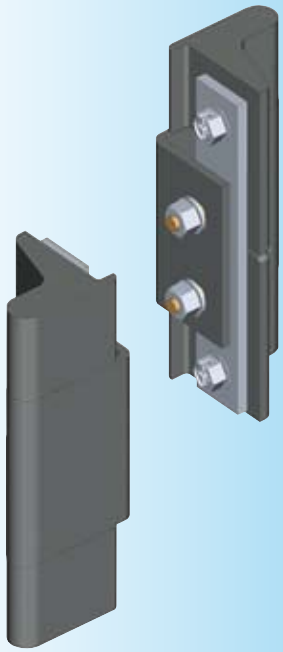




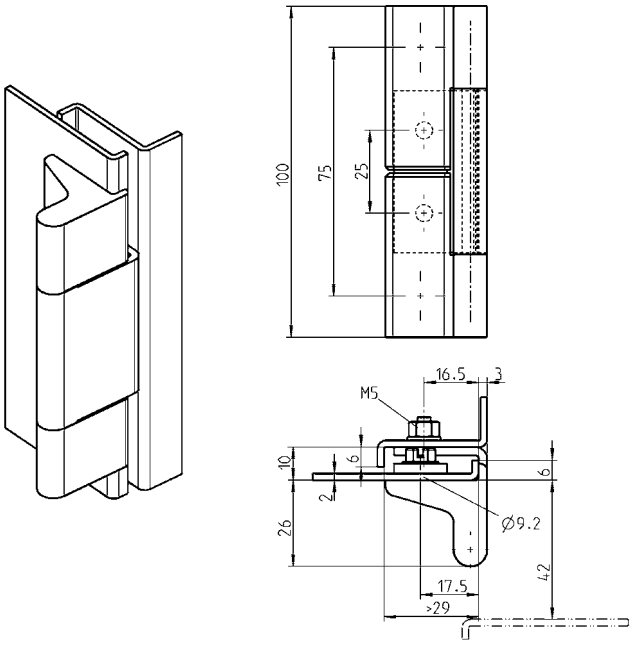
**180° hinge for in-line cabinets with adjacent door
for 25 mm door return**



180° hinge zinc die and m.s. black p.c., fixing material m.s. zinc pl.	1110-U112



**180° hinge for in-line cabinets with adjacent door
for 10 mm door return**

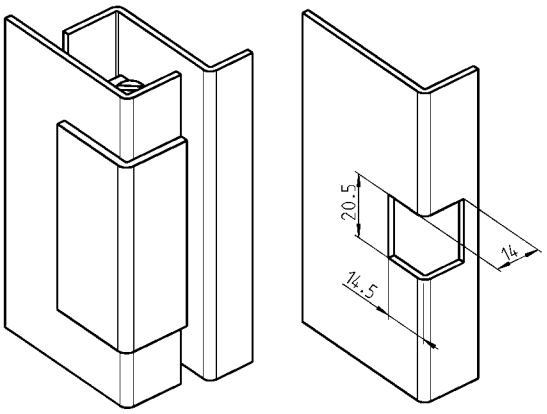


180° hinge zinc die and m.s. black p.c., fixing material m.s. zinc pl.	1110-U113

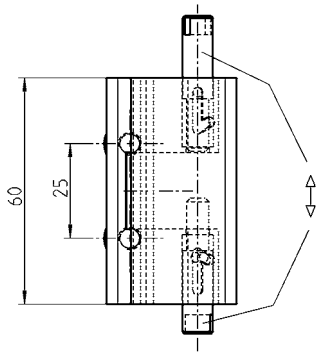
120° hinge with quick fastening

PROGRAM 1110

120° hinge
for 25 mm door return
easy door mounting



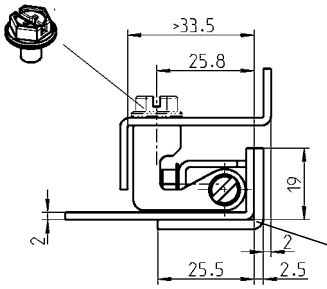
Cut out



The door can be unhinged by simply turning these pins



*Vibration proof screw
1000-277-03JB
M6x8



Door part with metal fixing plate and fastening screw

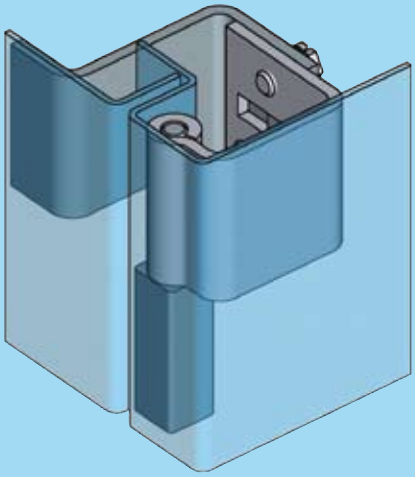
Fixing plate with spikes for earthing

120° hinge zinc die black p.c., fixing material m.s. zinc pl.	
	1110-U111

*not included

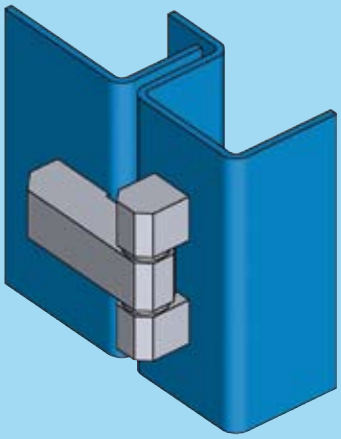
Hinge
for flush door

1

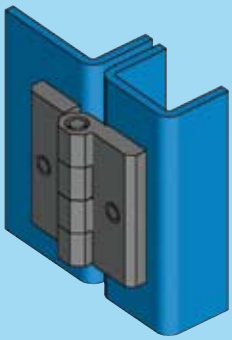


Door and housing/frame pictured transparent

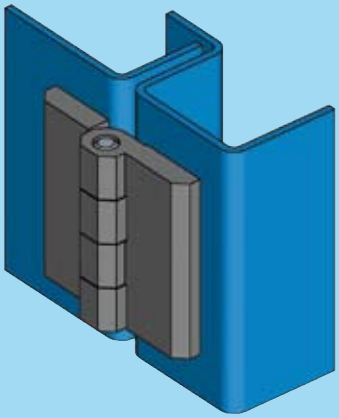
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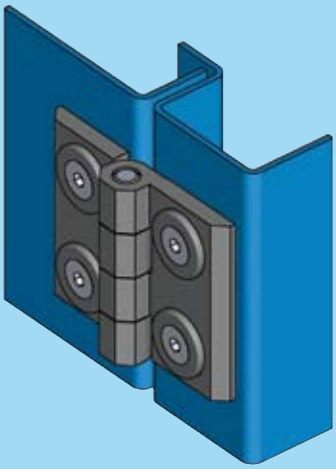
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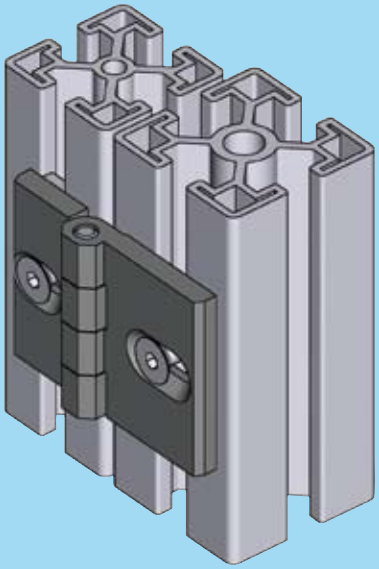
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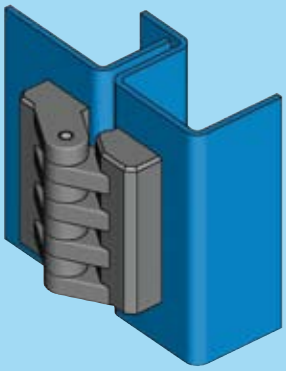
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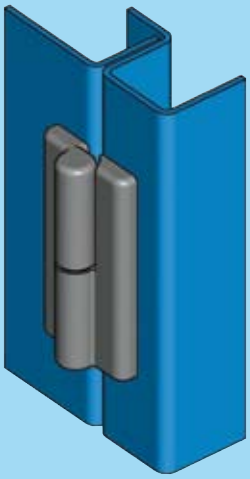
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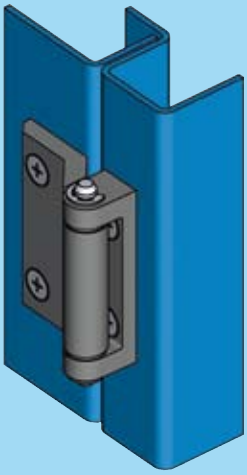
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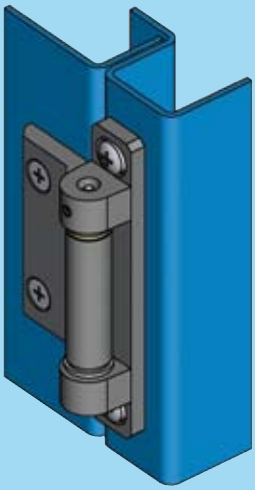
5



6



7







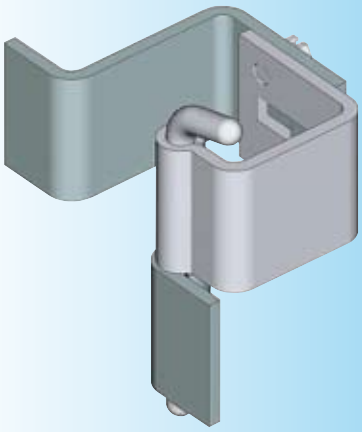
1	90° and 180° concealed hinge	4B-120 up to 4B-140
2	180° and 270° prominent hinge	4B-160 up to 4B-220, 4B-245
3	180° 2D prominent hinge	4B-215
4	180° prominent hinge for aluminium profiles	4B-230
5	180° prominent hinge and lift-off version	4B-240
6	180° prominent hinge	4B-280 up to 4B-300
7	180° 2D and 3D prominent hinge	4B-250 up to 4B-260

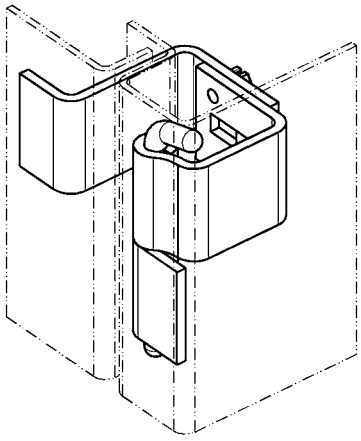
EMKA®

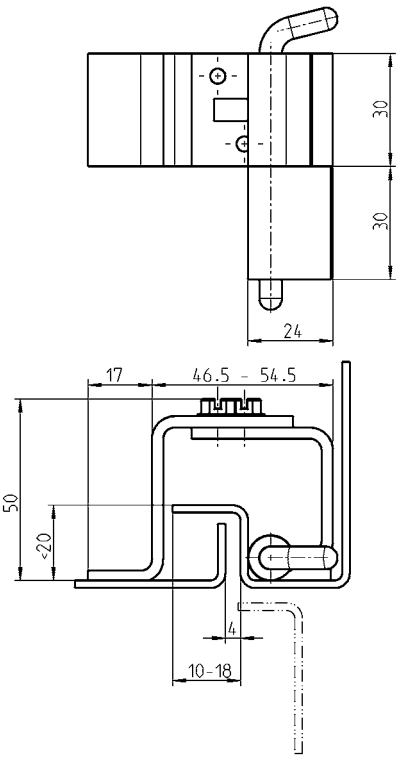
Beschlagteile

90° concealed hinge

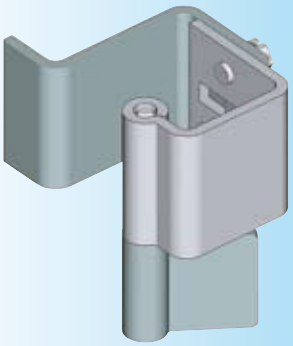
PROGRAM 1006, 1007

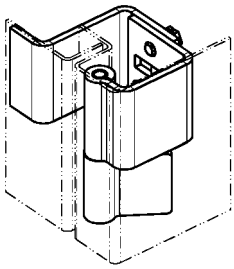


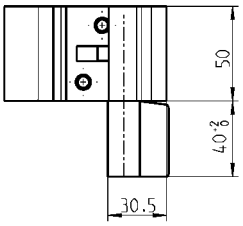


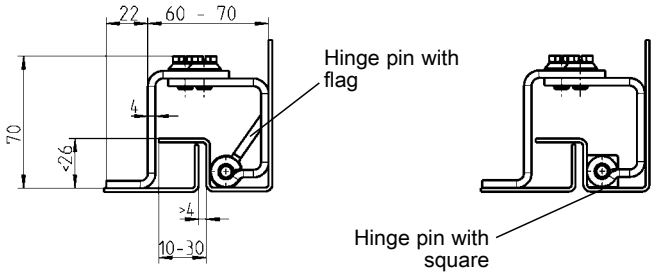


Concealed hinge	
m.s. zinc pl., weld-on part m. s. raw	1006-U1
AISI 304 and AISI 303	1006-U1-PC









Concealed hinge m.s. zinc pl., weld-on parts m.s. raw	
hinge pin with flag	1007-U2
Hinge pin with square (17x50)	1007-U1

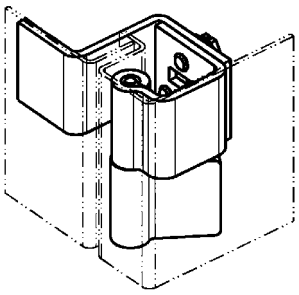
90° concealed hinge

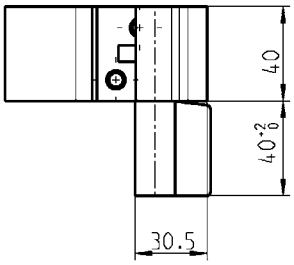
PROGRAM 1046

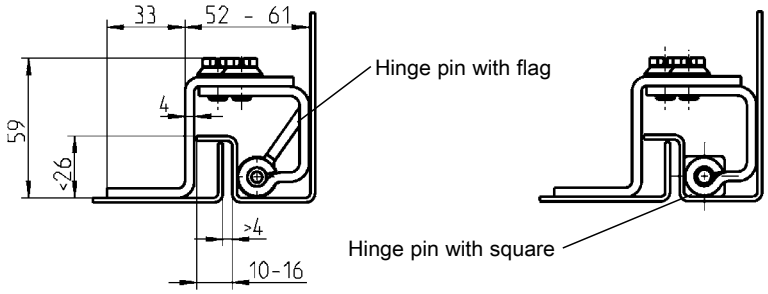
EDELSTAHL Rost frei STAINLESS STEEL

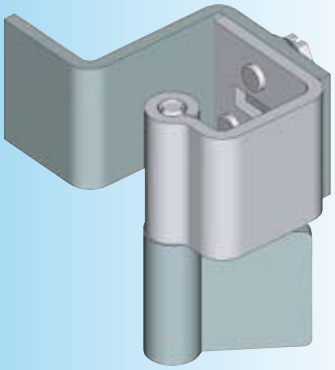
RL

INOX AISI 3..

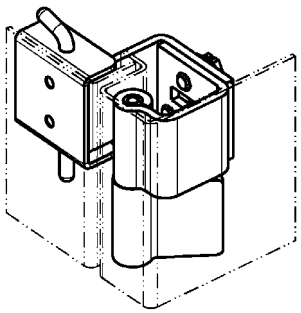


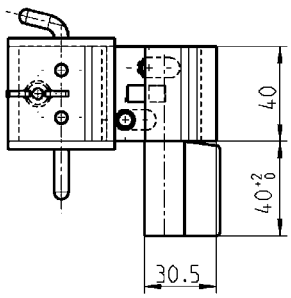


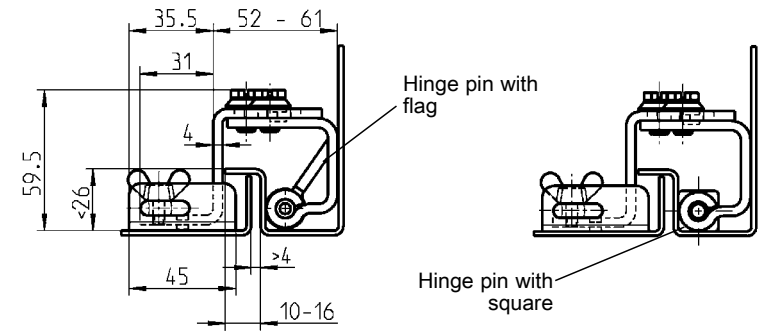


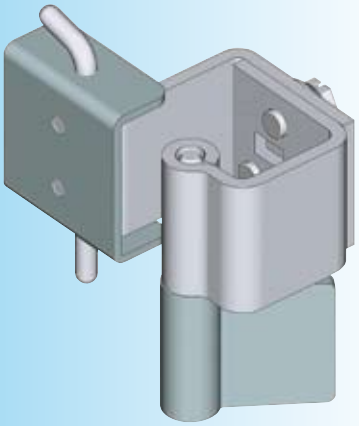


Concealed hinge m.s. zinc pl., weld-on parts m.s. raw or AISI 304 and AISI 303		
	m.s.	AISI 304
hinge pin with flag	1046-U1	1046-U5
Hinge pin with square (17x50)	1046-U3	–









Concealed hinge m.s. zinc pl., weld-on parts m.s. raw	
hinge pin with flag	1046-U2
hinge pin with square (17x50)	1046-U4

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Beschlagteile

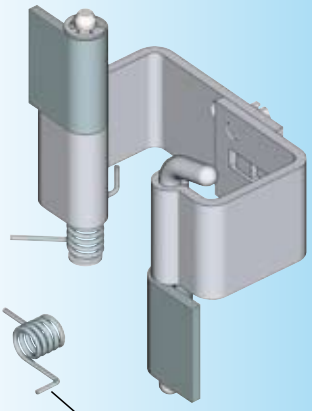
180° concealed hinge

PROGRAM 1042, 1043

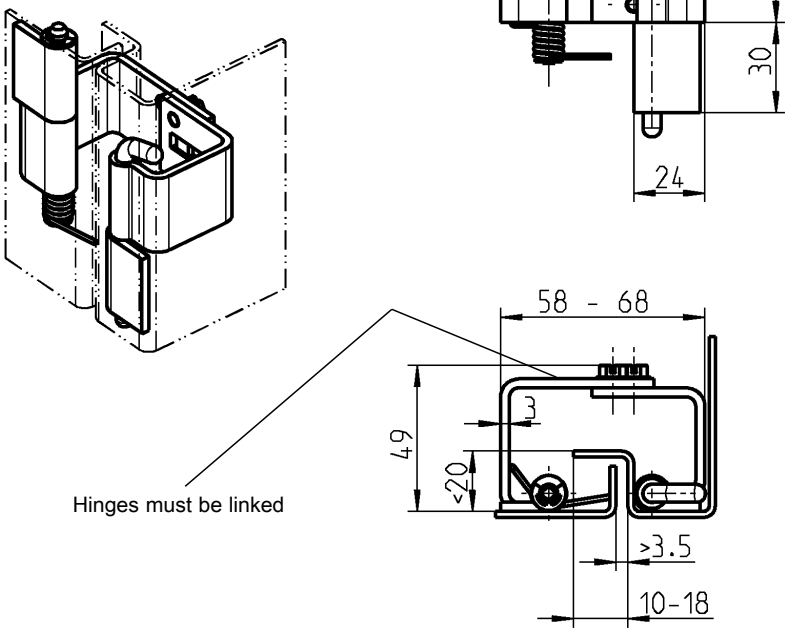




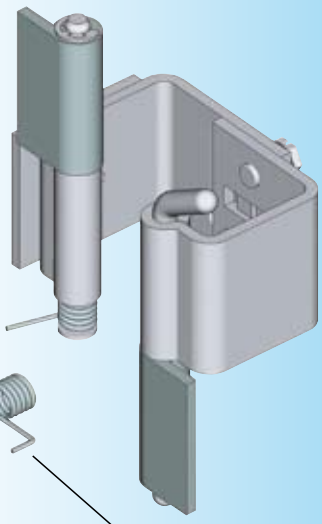




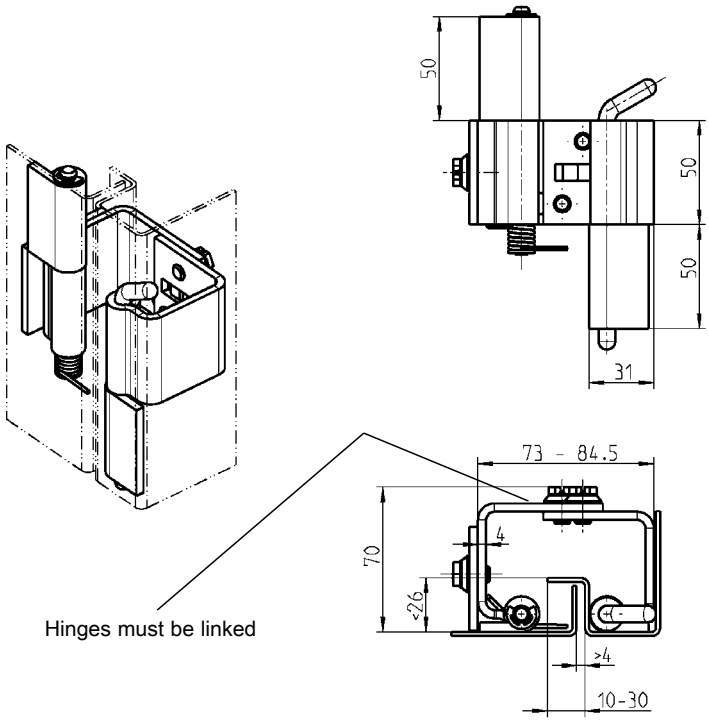
Spring for LH-version



180° concealed hinge m.s. zinc pl., spring material spring steel, weld-on parts m.s.	
	1042-U1



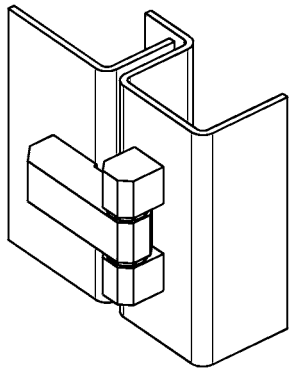
Spring for LH-version

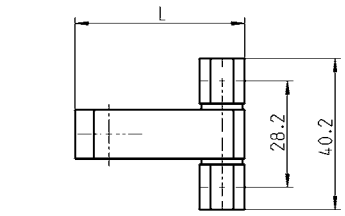


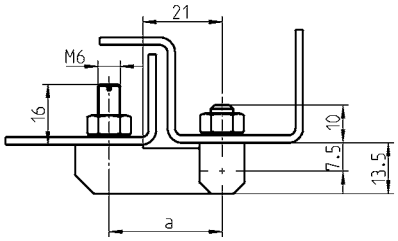
180° concealed hinge m.s. zinc pl., spring material spring steel, weld-on parts m.s.	
	1043-U1

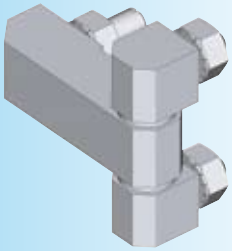
180° screw-on hinge

PROGRAM 1039, 1055

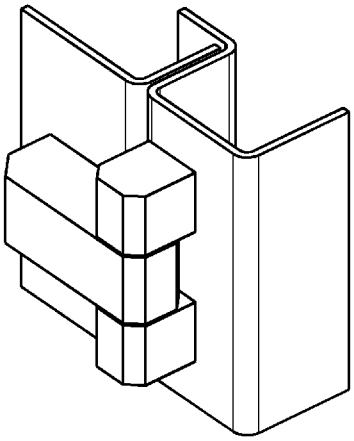


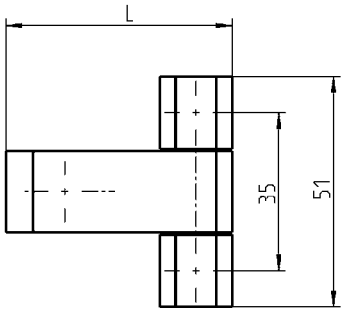


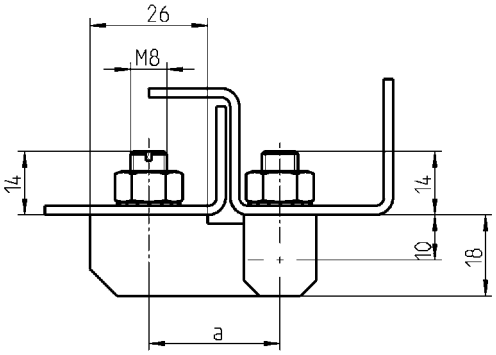


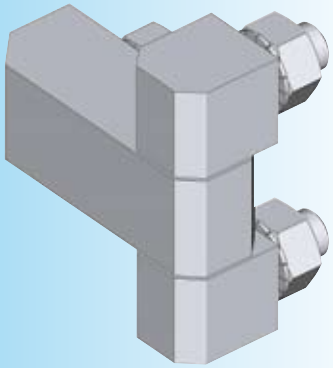


Screw-on hinge m.s. zinc pl., pin and washer brass nickel pl. or stainl. steel				
L	**a**	**m.s.**	**AISI 303**	**AISI 316**
45	30	1055-U3	1055-U7	1055-U9
53	38	1055-U4	–	–









Screw-on hinge m.s. zinc pl., pin and washer brass nickel pl. or stainl. steel				
L	**a**	**m.s.**	**AISI 303**	**AISI 316**
50	29	1039-U10	1039-U18	1039-U25
61	40	1039-U11	–	–

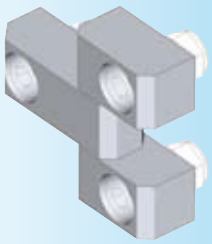
EMKA®

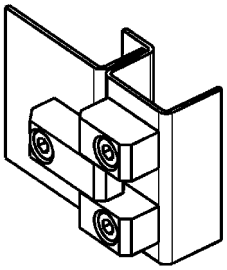
Beschlagteile

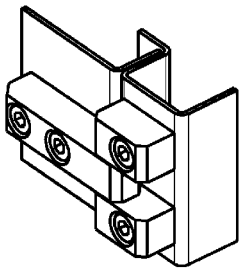
180° screw-on hinge

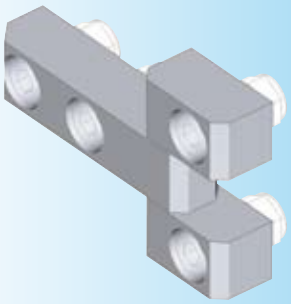
PROGRAM 1039

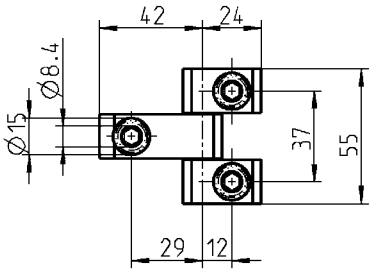


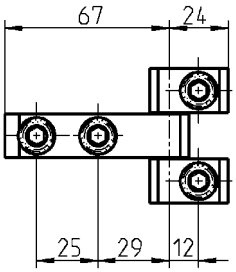


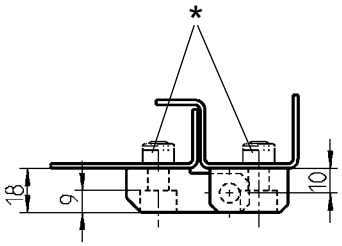


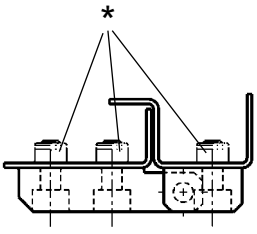










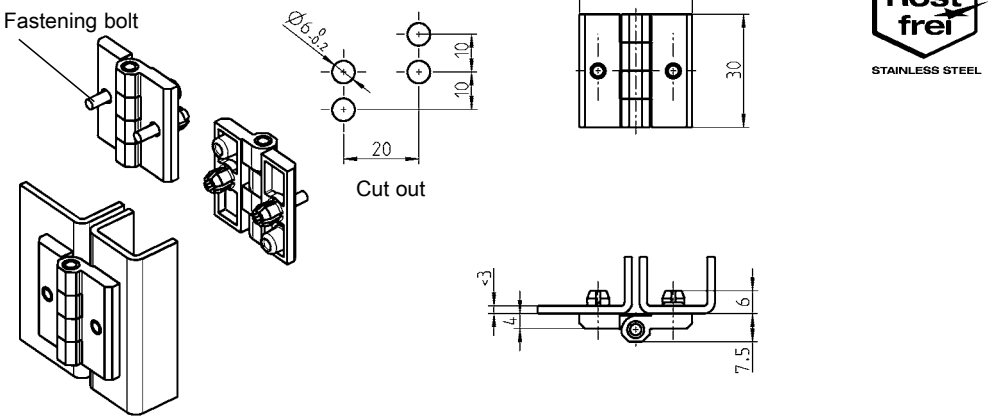


* not included

Screw-on hinge m.s. zinc pl., pin and washer brass nickel pl.	
short middle part with one hole Ø 8,4 mm	1039-U13
short middle part without holes, weld-on part	1039-U14
long middle part with two holes Ø 8,4 mm	1039-U15

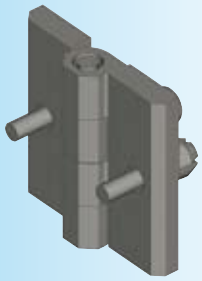
180° screw-on hinge

PROGRAM 1056

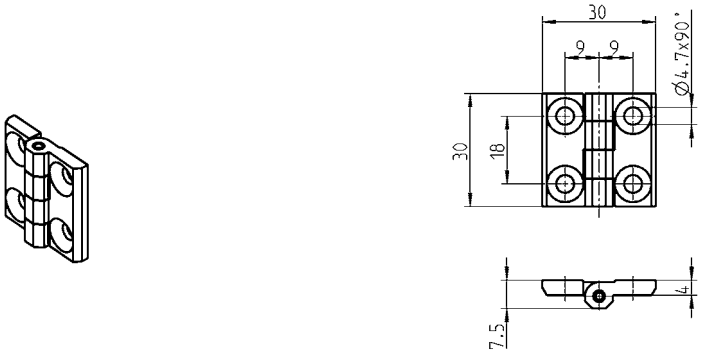


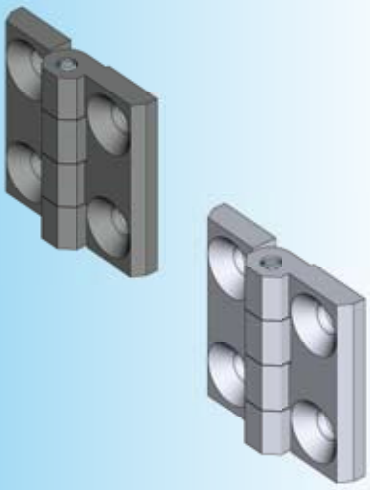
EDELSTAHL Rost frei STAINLESS STEEL

INOX AISI 3..

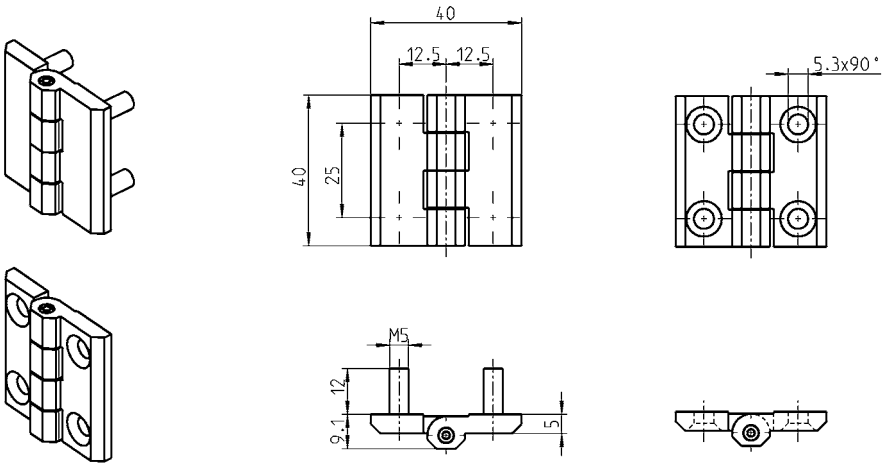


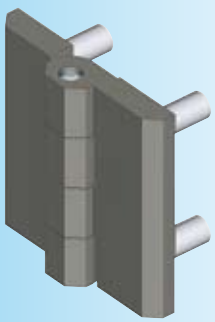
Hinge polyamide, pin and fixing material polyamide	
	1056-U32

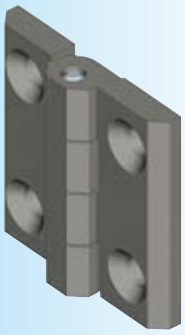




Screw-on hinge for countersunk screw M4, GD-Zn surface on choice, pin stainless steel	
black powder coated	1056-U60
chrome plated	1056-U61







Screw-on hinge zinc die, polyamide or stainl. steel, threaded studs M5 stainl. steel			
	pin	with threaded studs M5	for countersunk screw M5
zinc die chrome pl.	stainl. steel	1056-U3	1056-U5
zinc die black p.c.	stainl. steel	1056-U4	1056-U6
polyamide black	stainl. steel	–	1056-U30
polyamide black	polyamide	–	1056-U41
AISI 316	stainl. steel	–	1056-U5-PH

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Beschlagteile

180° and 270° screw-on hinge

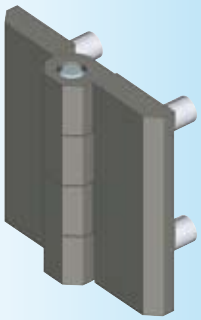
PROGRAM 1056

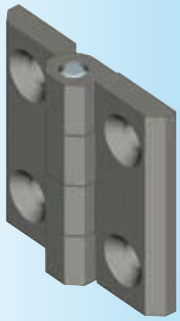


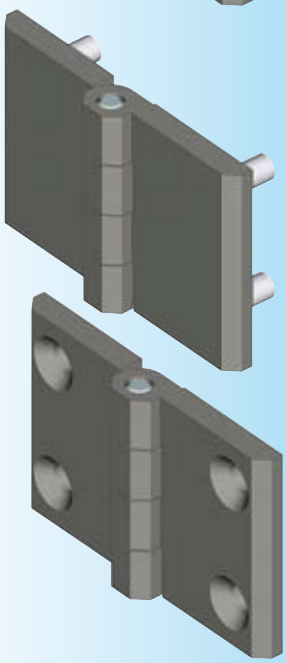






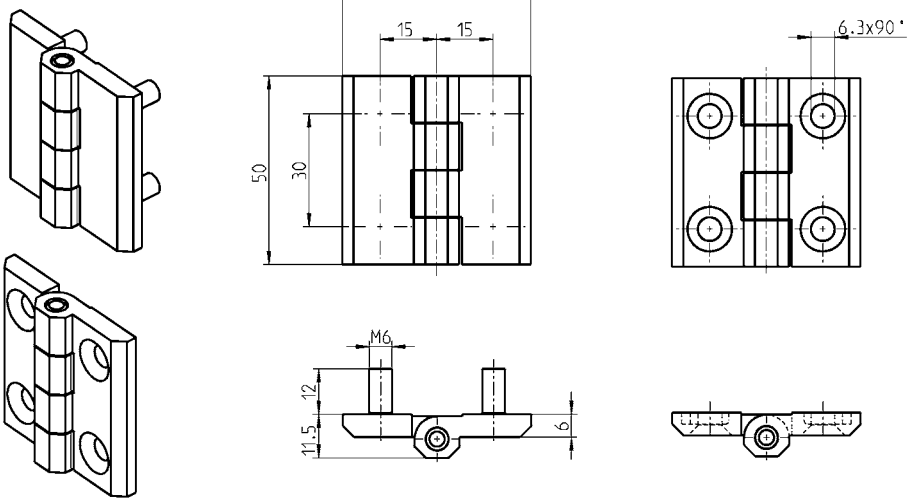






EDELSTAHL Rostfrei STAINLESS STEEL

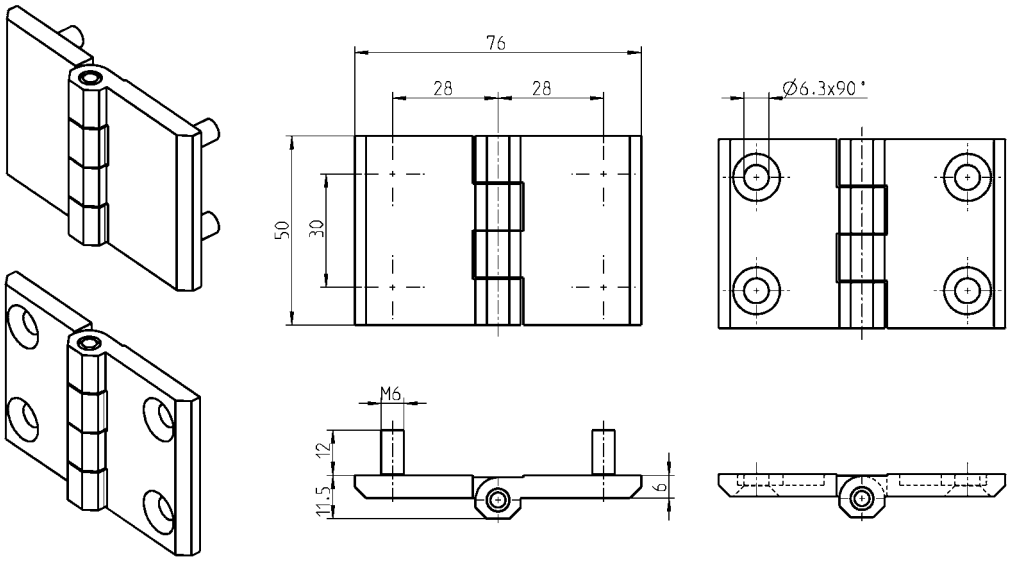
180° screw-on hinge



Screw-on hinge zinc die, polyamide or stainl. steel, threaded studs M6 stainl. steel			
	pin	with threaded studs M6	for countersunk screw M6 (2D-nut possible)
zinc die chrome pl.	stainless steel	1056-U7	1056-U9
zinc die black p.c.	stainless steel	1056-U8	1056-U10
polyamide black	stainless steel	–	1056-U31
polyamide black	polyamide	–	1056-U42
AISI 316	stainless steel	–	1056-U9-PH

EDELSTAHL Rostfrei STAINLESS STEEL

270° screw-on hinge



Screw-on hinge zinc die or stainl. steel, threaded studs M6 stainl. steel			
	pin	with threaded studs M6	for countersunk screw M6 (2D-nut possible)
zinc die chrome pl.	stainless steel	1056-U15	1056-U17
zinc die black p.c.	stainless steel	1056-U16	1056-U18
AISI 316	stainless steel	–	1056-U17-PH

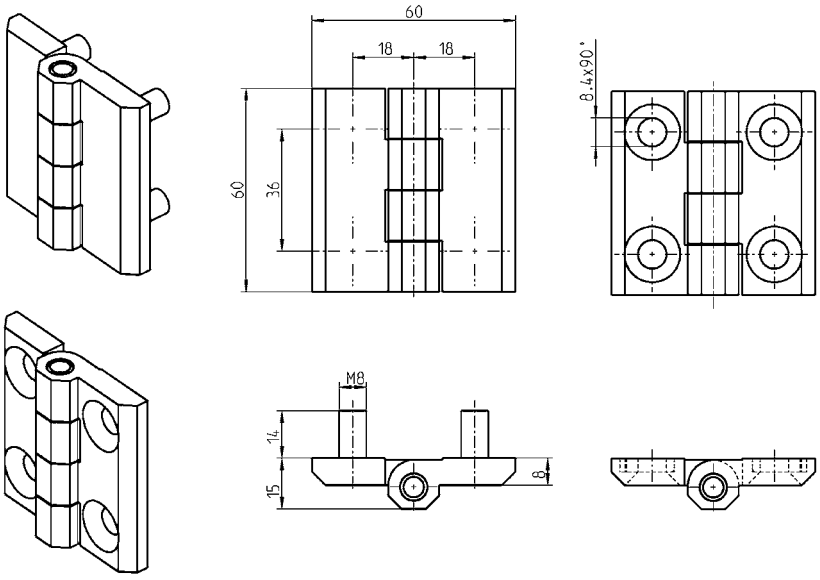
Further parts see page
– 2D-nut 12E-120

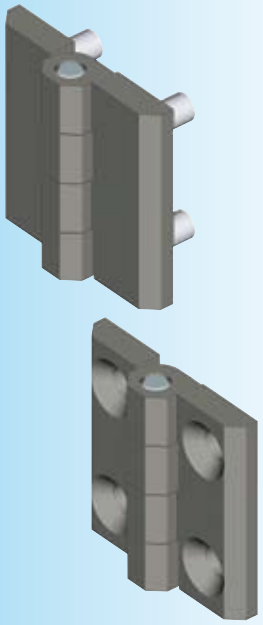
180° screw-on hinge

PROGRAM 1056

EDELSTAHL Rost frei STAINLESS STEEL

INOX AISI 3..





Screw-on hinge zinc die or polyamide, threaded studs M8 stainl. steel			
	pin	with threaded studs M8	for countersunk screw M8
zinc die chrome pl.	stainless steel	1056-U11	1056-U13
zinc die black p.c.	stainless steel	1056-U12	1056-U14
AISI 316	stainless steel	–	1056-U13-PH

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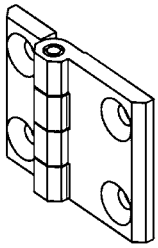
Beschlagteile

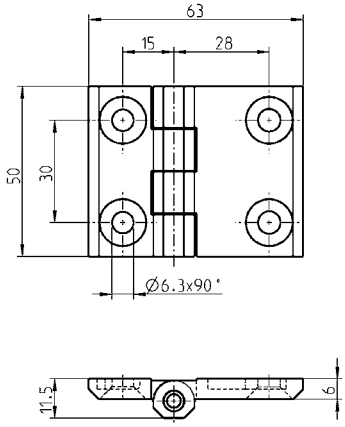
Notes:

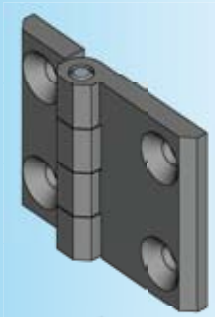
180° screw-on hinge

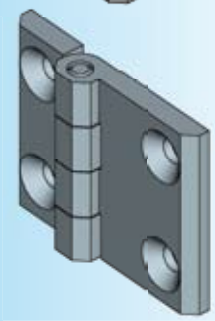
PROGRAM 1056

EDELSTAHL Rost frei STAINLESS STEEL

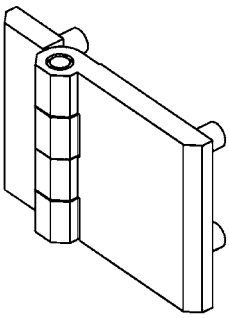


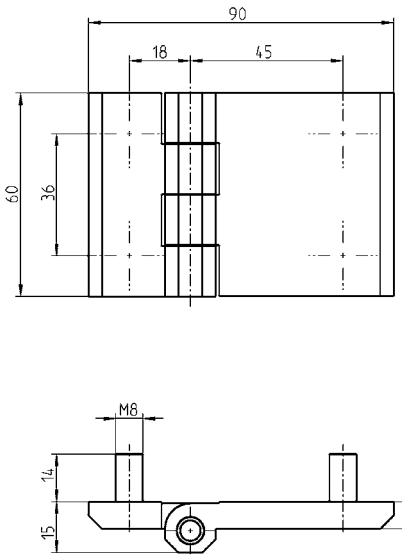


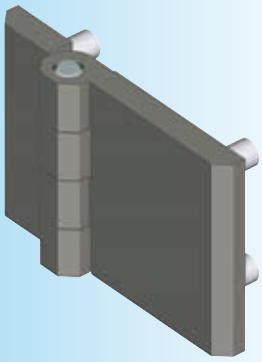




Screw-on hinge zinc die or stainless steel, pin stainless steel, for countersunk screw M6 (2D-nut possible)	
zinc die black p.c.	1056-U59
AISI 316	1056-U59-PH







Screw-on hinge zinc die, threaded studs M8 stainl. steel	
chrome plated	1056-U19
black powder coated	1056-U20

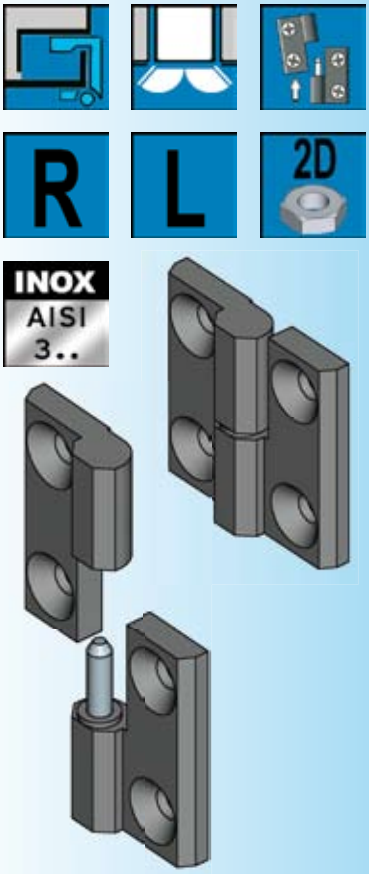
Further parts see page
– 2D-nut 12E-120

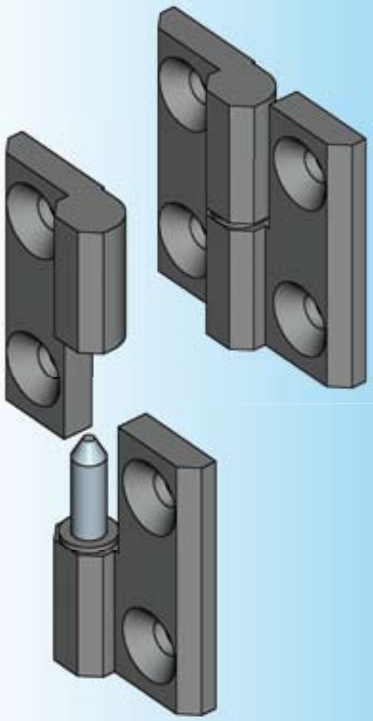
EMKA®

Beschlagteile

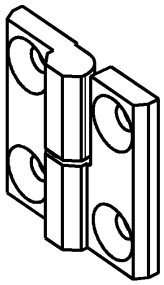
180° screw-on hinge

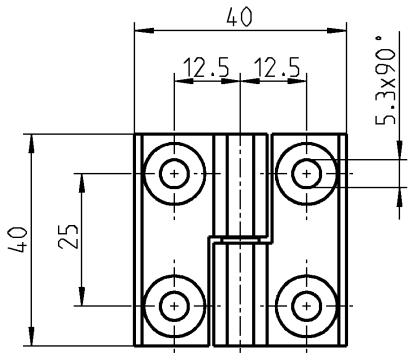
PROGRAM 1056



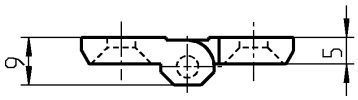


EDELSTAHL Rostfrei STAINLESS STEEL



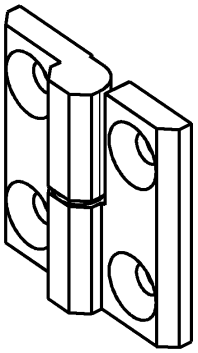


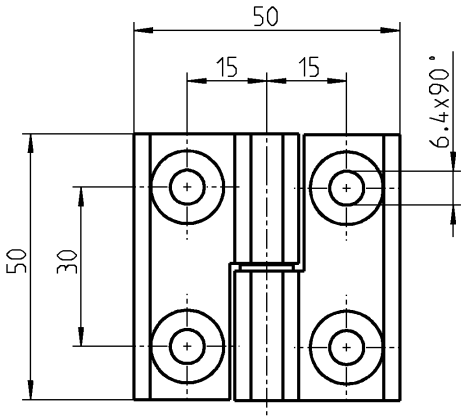
Right-hand version shown
Left-hand version is a mirror-image



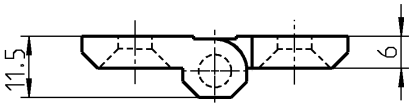
Screw-on hinge zinc die black powder coated or AISI 316, washer polyamide black or stainless steel, pin stainless steel		
for countersunk screw M5	**Zinc die**	**AISI 316**
LH version	1056-U54	1056-U54-PH
RH version	1056-U53	1056-U53-PH

EDELSTAHL Rostfrei STAINLESS STEEL





Right-hand version shown
Left-hand version is a mirror-image

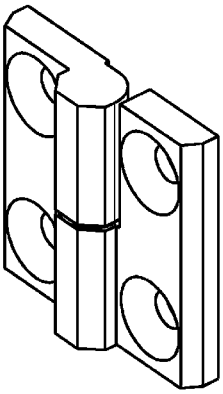


Screw-on hinge zinc die black powder coated or AISI 316, washer polyamide black or stainless steel, pin stainless steel		
for countersunk screw M6 (2D-nut possible)	**Zinc die**	**AISI 316**
LH version	1056-U56	1056-U56-PH
RH version	1056-U55	1056-U55-PH

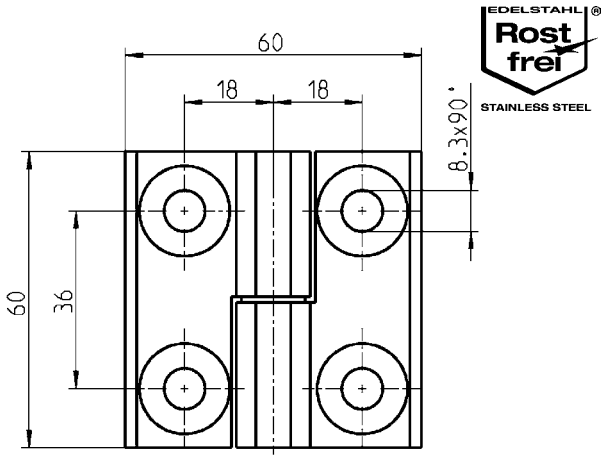
Further parts see page
– 2D-nut 12E-120

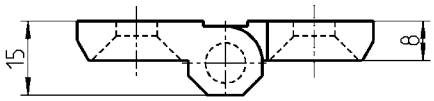
180° screw-on hinge

PROGRAM 1056

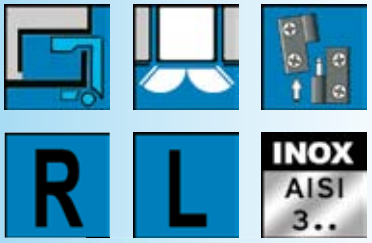


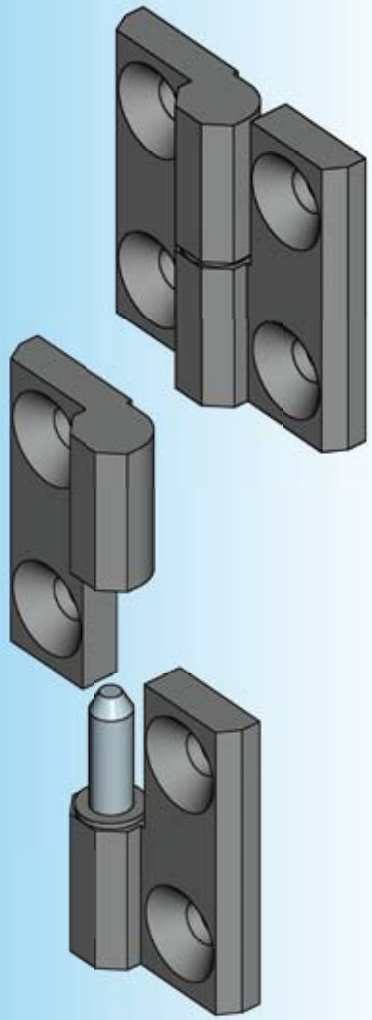
Right-hand version shown
Left-hand version is a mirror-image





Screw-on hinge zinc die black powder coated or AISI 316, washer polyamide black or stainless steel, pin stainless steel		
for countersunk screw M8	**Zinc die**	**AISI 316**
LH version	1056-U58	1056-U58-PH
RH version	1056-U57	1056-U57-PH





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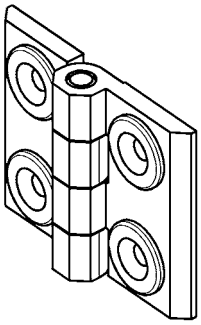
Beschlagteile

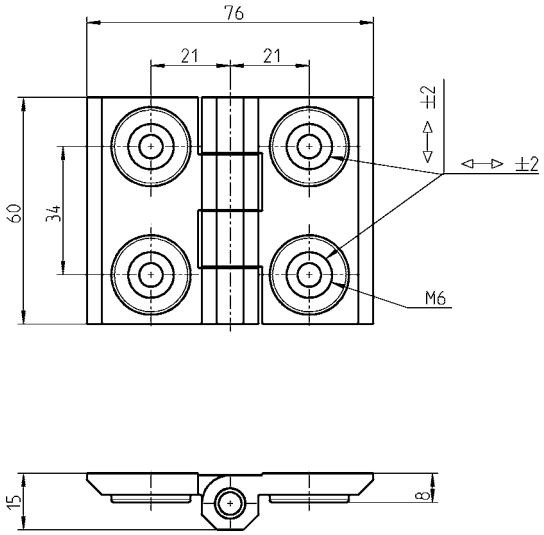
180° screw-on hinge

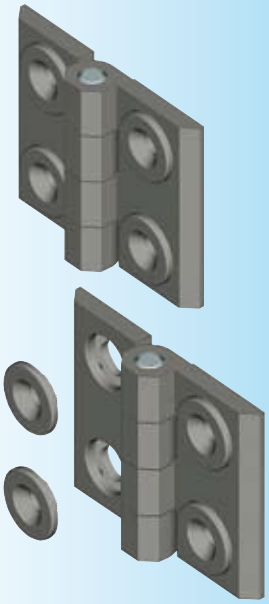
PROGRAM 1056



180° 2D-screw-on hinge



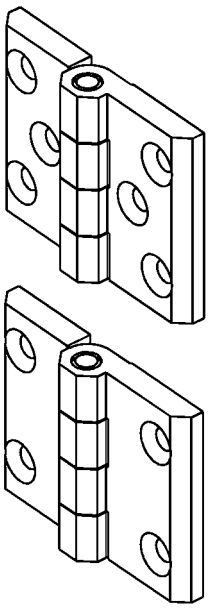


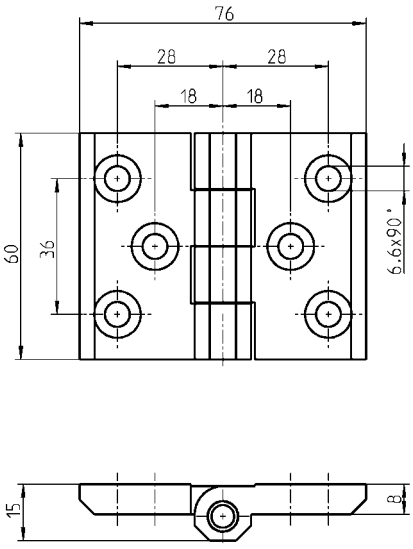


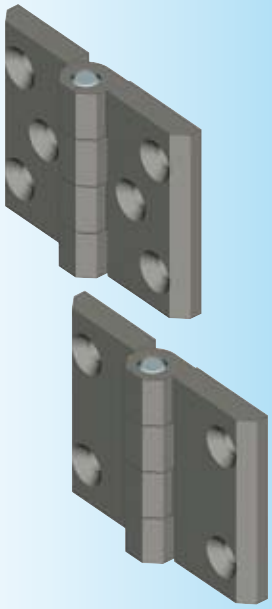
Adjustable ± 2 mm
in the horizontal
and vertical direction

2D screw-on hinge zinc die black p.c., pin stainl. steel	
	1056-U27

180° screw-on hinge







screw-on hinge zinc die black p.c., pin stainl. steel	
with 4 countersunk holes for screw M6 (2D-nut possible)	1056-U29
with 6 countersunk holes for screw M6 (2D-nut possible)	1056-U28

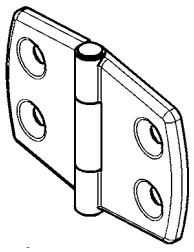
Further parts see page
– 2D-nut 12E-120

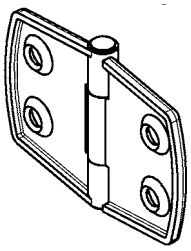
180° screw-on hinge

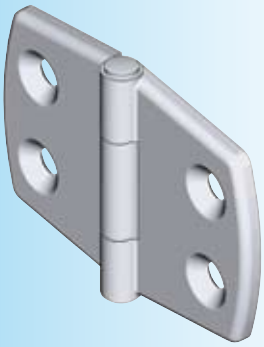
PROGRAM 6020

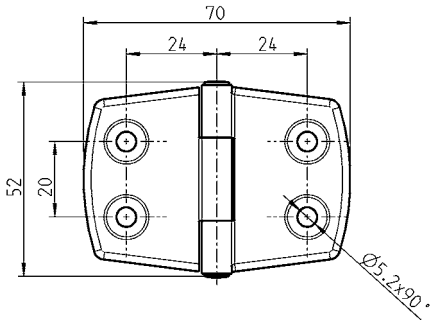
EDELSTAHL Rostfrei STAINLESS STEEL

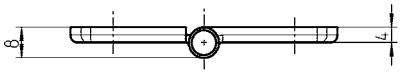
INOX AISI 3..









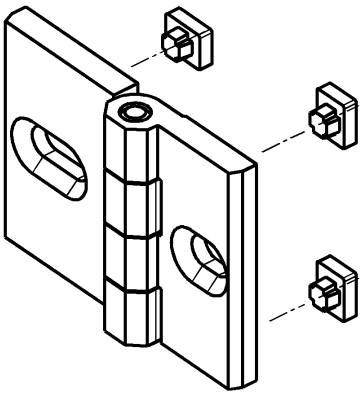


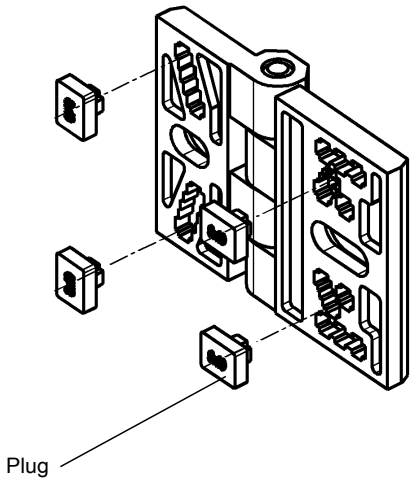
Screw-on hinge for countersunk screw small head M5 AISI 316 polished	
	6020-U1098-PP

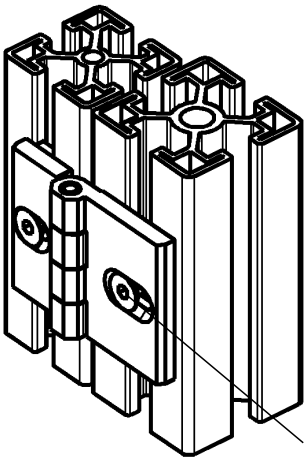
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

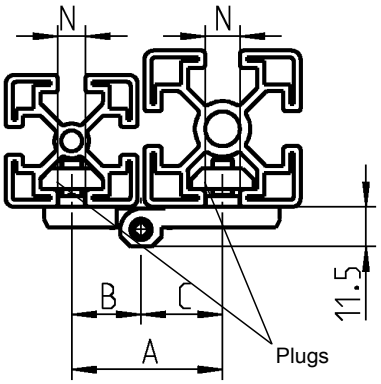
Hinge for aluminium profiles

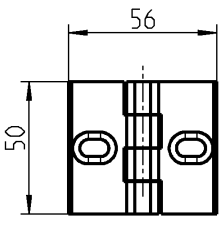
PROGRAM 1056

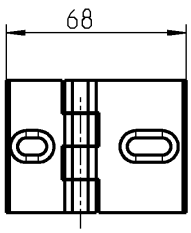


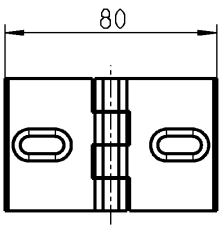






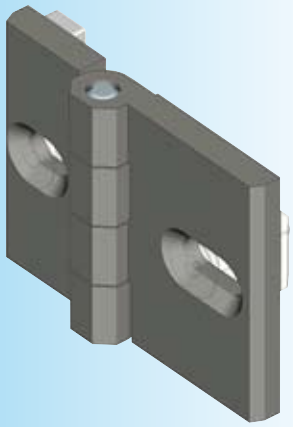






Hinge for aluminium profiles zinc die black p.c., pin stainless steel and plugs zinc die								
Plugs	8x10	1056-U21	Plugs	8x10	1056-U22	Plugs	8x10	1056-U23
	7x10	1056-U24		7x10	1056-U25		7x10	1056-U26

– for location of socket for plug please refer to rear of hinge
– this hinge can be installed with aluminium profiles from several renowned manufactures
– this hinge offers versatility due to several location options for plugs on the rear
– for four plugs, supplied with each of the hinges, provide protection against twisting and are suitable for slots of N = 8 and 10 or N = 7 and 10 mm (other N-dimensions on request)



Plugs 8x10 1056-U21 Plugs 7x10 1056-U24			Plugs 8x10 1056-U22 Plugs 7x10 1056-U25			Plugs 8x10 1056-u23 Plugs 7x10 1056-U26		
	socket			socket			socket	
A	B	C	A	B	C	A	B	C
33	16,5	16,5	37,5	16,5	21	42	21	21
34	16,5	17,5	38	16,5	21,5	42,5	21	21,5
35	16,5	18,5	40	16,5	23,5	44,5	21	23,5
35,5	16,5	19	42,5	16,5	26	47	21	26
36,5	16,5	20	44	16,5	27,5	48,5	21	27,5
35	17,5	17,5	47,5	16,5	31	52	21	31
36	17,5	18,5	38,5	17,5	21	43	21,5	21,5
36,5	17,5	19	39	17,5	21,5	45	21,5	23,5
37,5	17,5	20	41	17,5	23,5	47,5	21,5	26
37	18,5	18,5	43,5	17,5	26	49	21,5	27,5
37,5	18,5	19	45	17,5	27,5	52,5	21,5	31
38,5	18,5	20	48,5	17,5	31	47	23,5	23,5
38	19	19	39,5	18,5	21	49,5	23,5	26
39	19	20	40	18,5	21,5	51	23,5	27,5
40	20	20	42	18,5	23,5	54,5	23,5	31
			44,5	18,5	26	52	26	26
			46	18,5	27,5	53,5	26	27,5
			49,5	18,5	31	57	26	31
			40	19	21	55	27,5	27,5
			40,5	19	21,5	58,5	27,5	31
			42,5	19	23,5	62	31	31
			45	19	26			
			46,5	19	27,5			
			50	19	31			
			41	20	21			
			41,5	20	21,5			
			43,5	20	23,5			
			46	20	26			
			47,5	20	27,5			
			51	20	31			

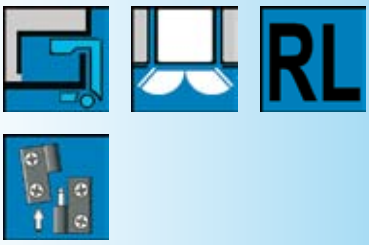
* not included

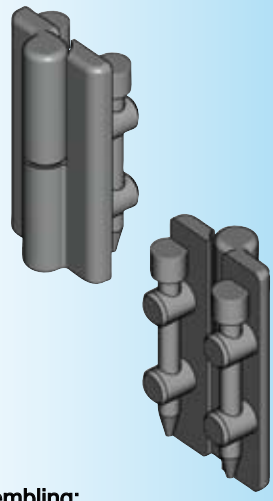
EMKA®

Beschlagteile

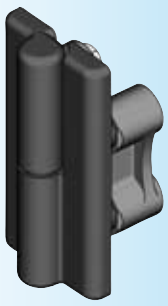
180° hinge

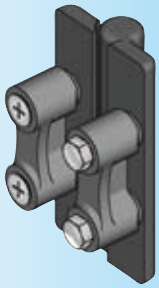
PROGRAM 1056





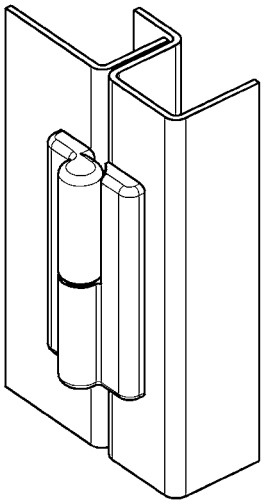
Assembling:
Hinge is to be fixed just by knocking in the PA pins.
Releasing force in Z direction:
1500 N

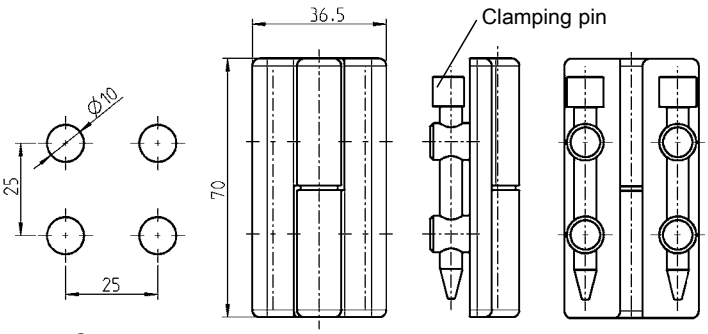


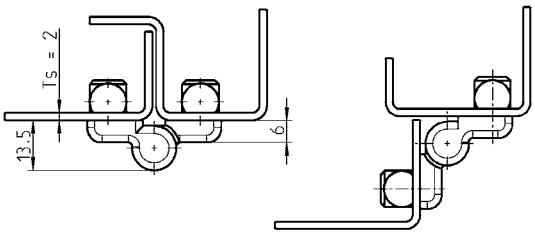


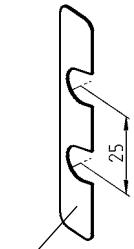
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small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

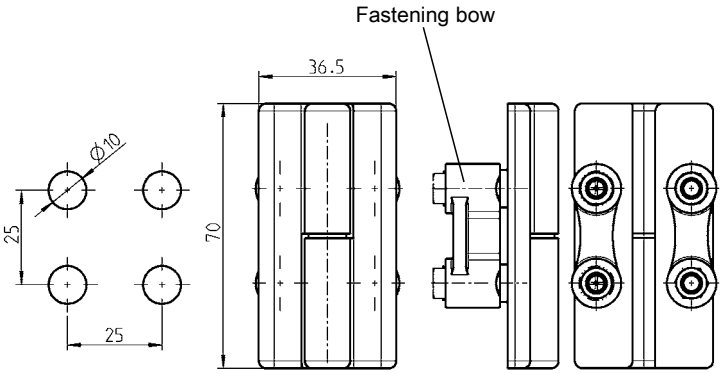


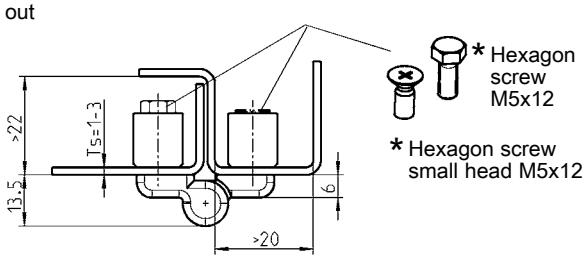






Spacer plate has to be ordered sep. for different door gauges (one plate per clamping bar)

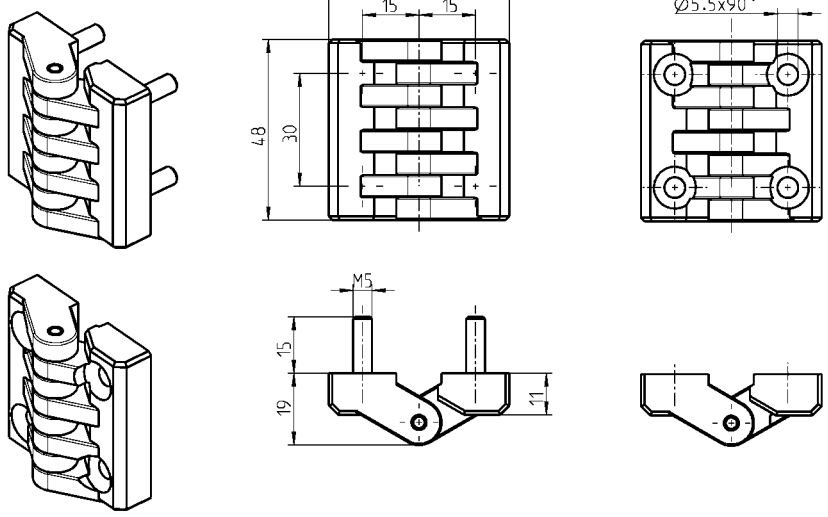


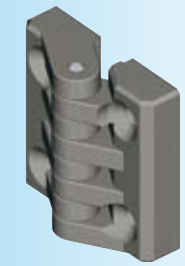


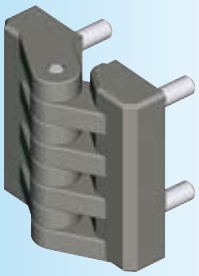
Hinge with clamping pin zinc die black p.c. or polyamide black, clamping pin polyamide black, hinge pin stainl. steel			
		Zinc die	polyamide
Ts = 1.5	RH	–	1056-U49
Ts = 1.5	LH	–	1056-U50
Ts = 2.0	RH	1056-U35	–
Ts = 2.0	LH	1056-U33	–
Hinge with fastening material zinc die black p.c., pin stainl. steel			
RH			1056-U44
LH			1056-U43
Liner AISI 304 (1x per Pin fixing)			
Hinge for Ts	**change into Ts**		
1,5	1,0		1110-39-02
2,0	1,0		1110-39-03
2,0	1,5		1110-39-02

180° screw-on hinge with knuckles

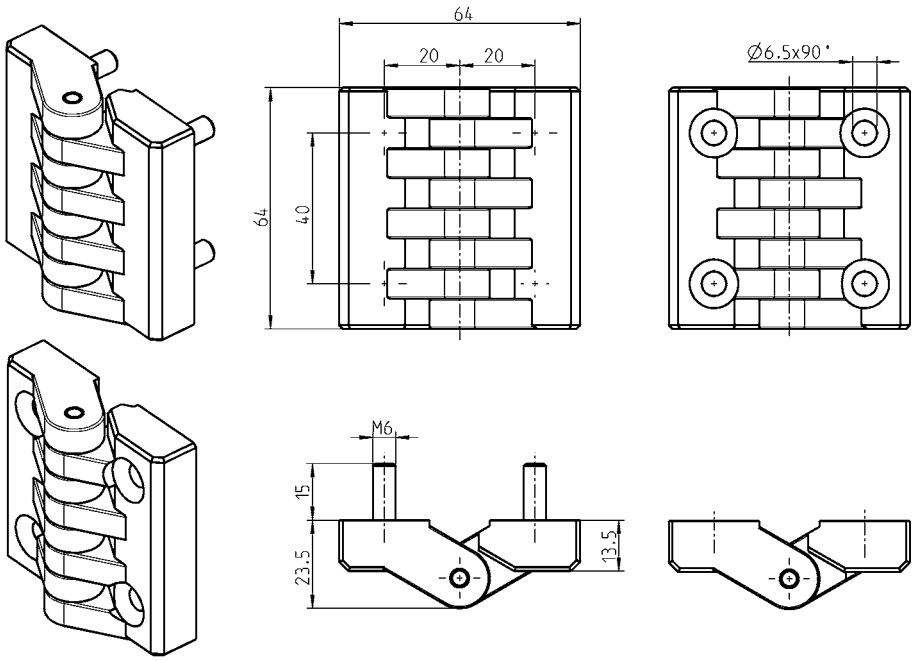
PROGRAM 1056

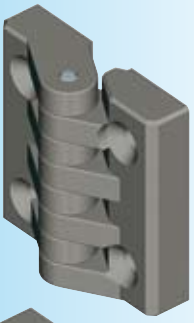






Screw-on hinge polyamide black, pin m.s. zinc plated	
for countersunk screw M5	1056-U37
with threaded studs M5	1056-U38







Screw-on hinge polyamide black, pin m.s. zinc plated	
for countersunk screw M6 (2D-nut possible)	1056-U39
with threaded studs M6	1056-U40

Further parts see page
– 2D-nut 12E-120

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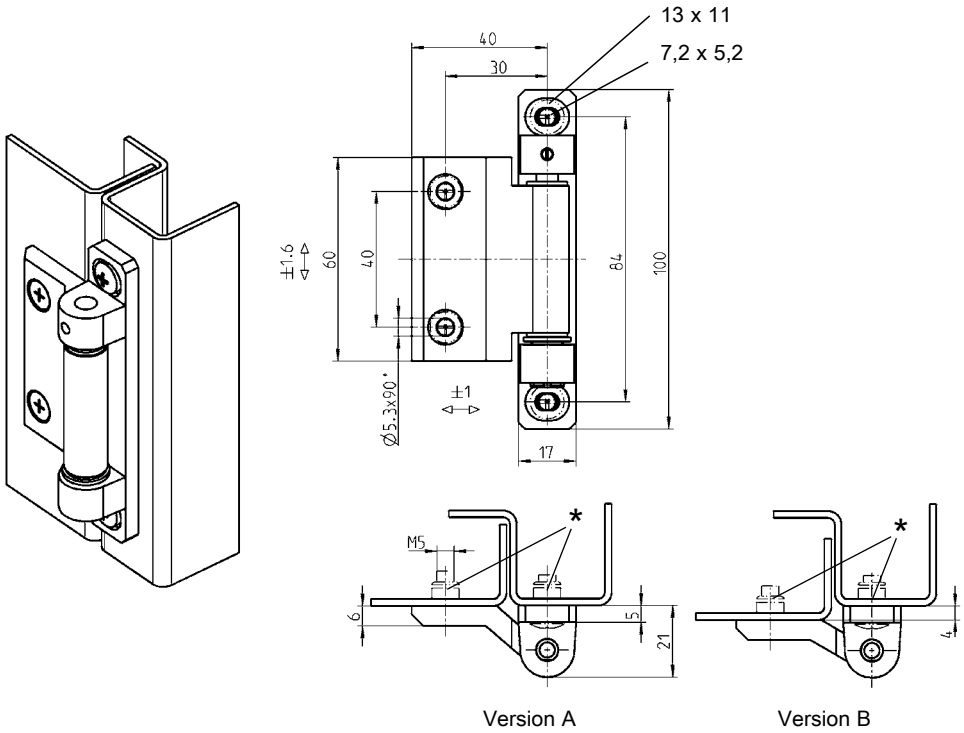
Beschlagteile

180° 2D-screw-on hinge

PROGRAM 1054



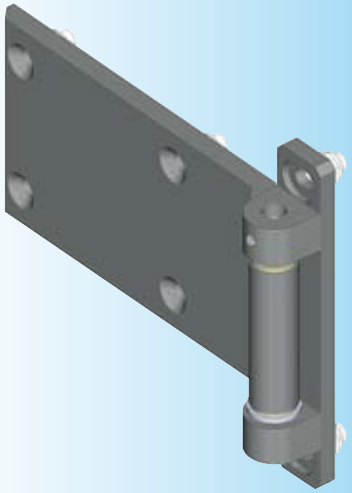


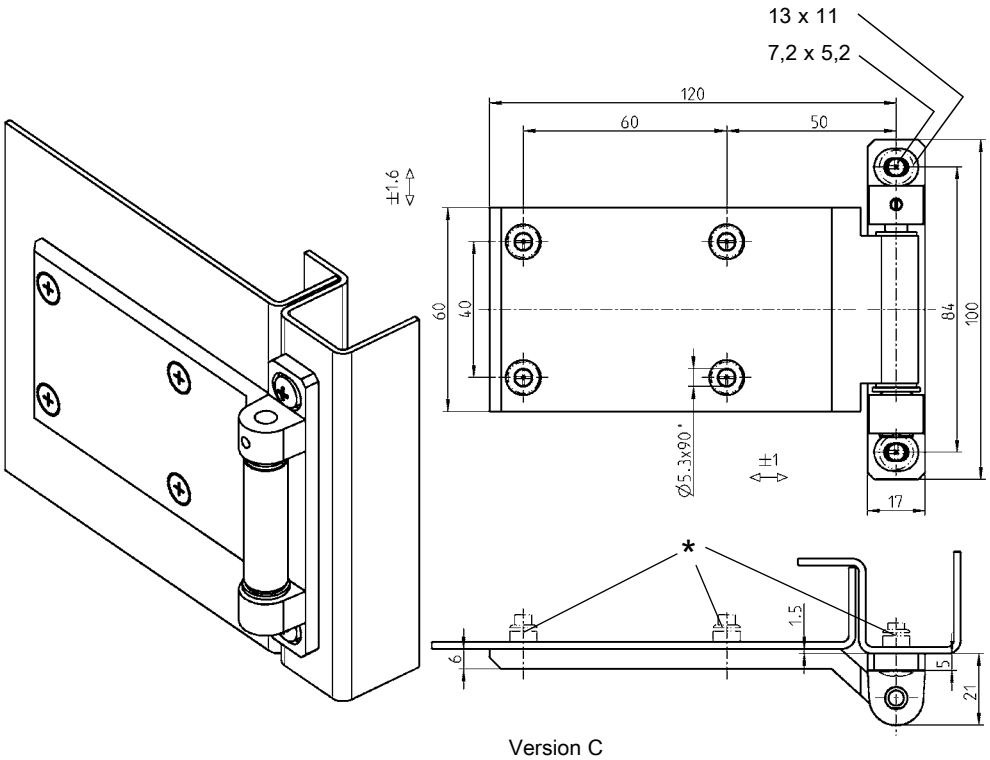


RH- or LH-version by turning around the door part.

Hinge pin is self-gripping

Countersunk for small head countersunk screw M5x





***** not included

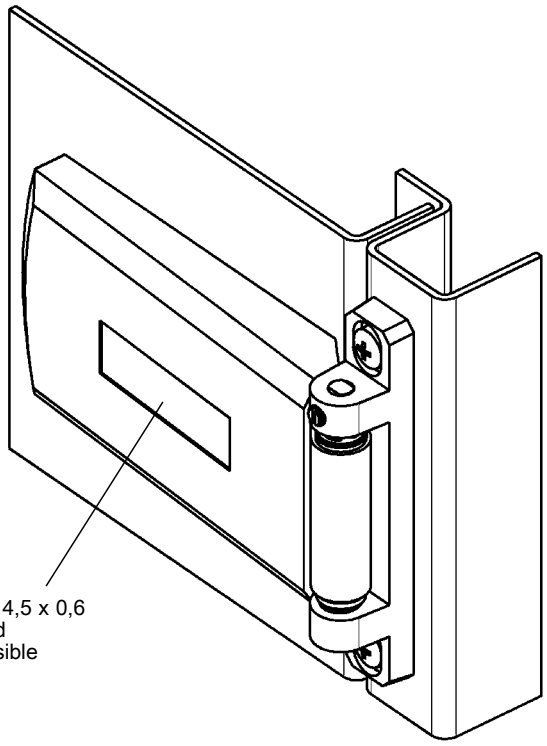
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

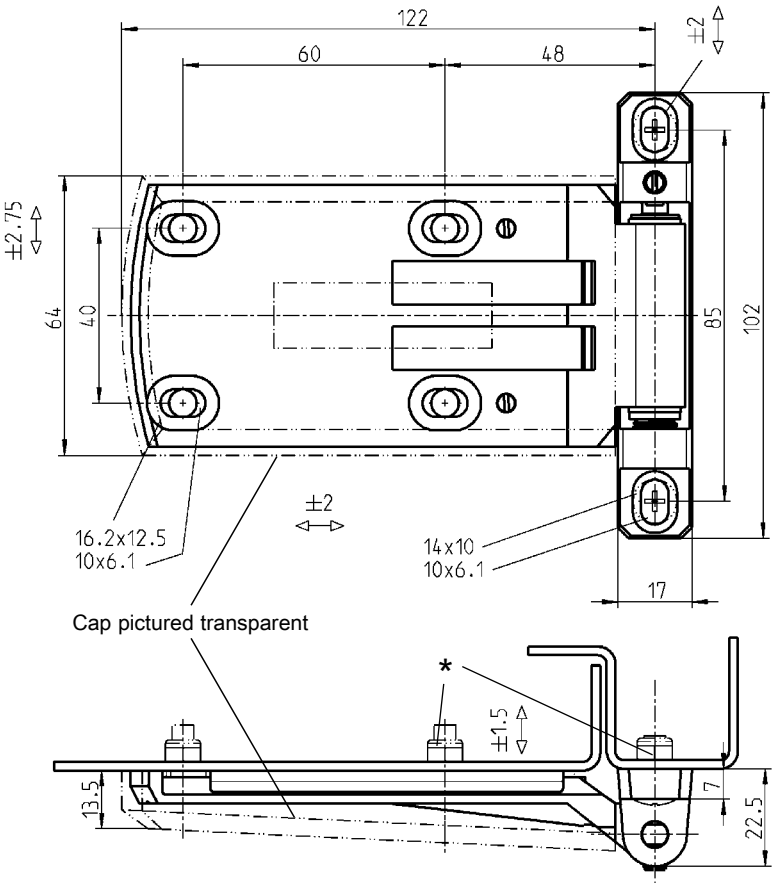
2D-screw-on hinge zinc die, axle brass nickel pl., washer m.s. zinc pl. and bush polyamide

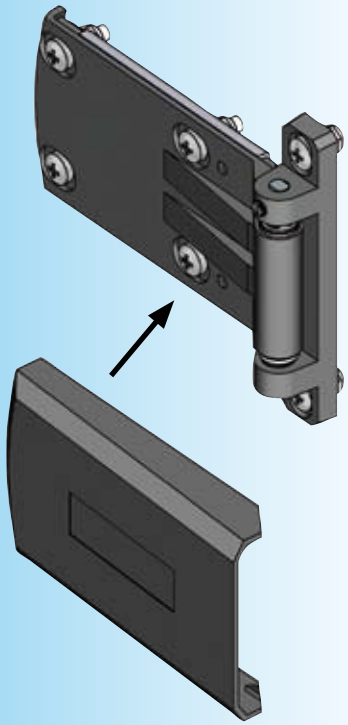
	Version A	Version B	Version C
black powder coated	1054-U33-01	1054-U34-01	1054-U35-01
raw	1054-U33-02	1054-U34-02	1054-U35-02

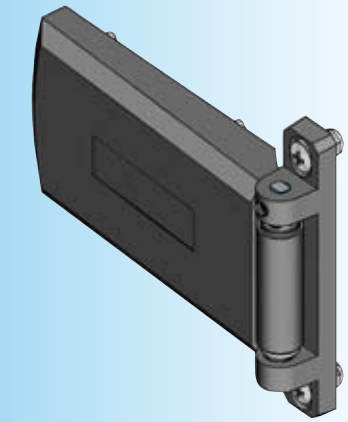
180° 3D-screw-on hinge

PROGRAM 1054









3D-screw-on hinge zinc die black p.c., axle stainless steel, pin and washer steel zinc pl., cap and bush polyamide black	
RH version	1054-U36-RE
LH version	1054-U36-LI

* not included

RH- or LH-version by turning around the door part

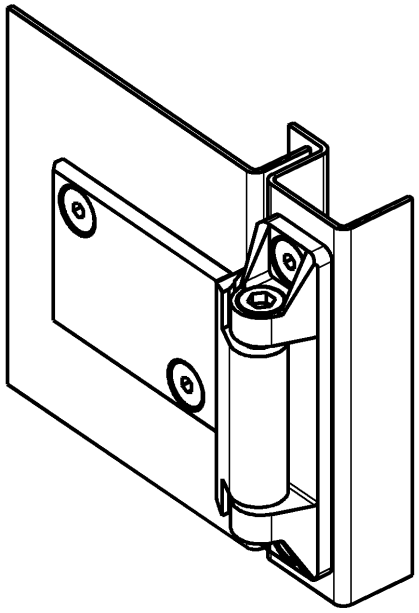
EMKA®

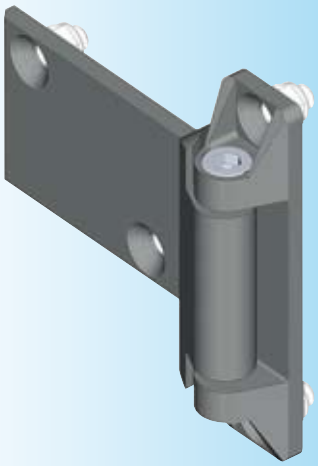
Beschlagteile

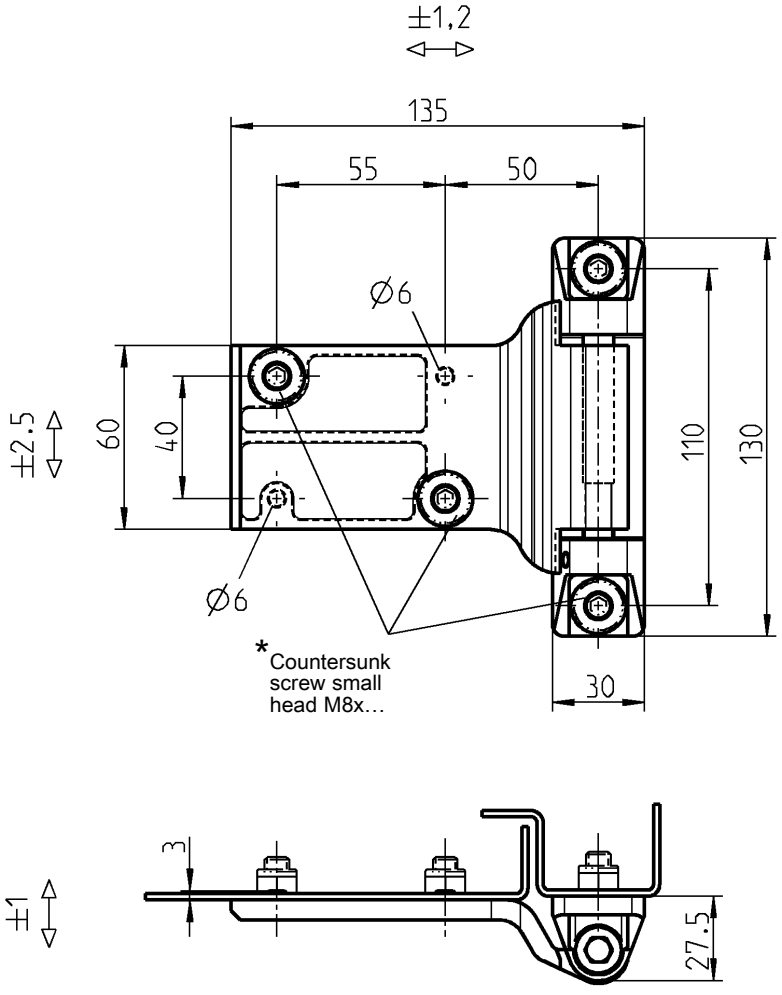
180° 3D-screw-on hinge

PROGRAM 1054









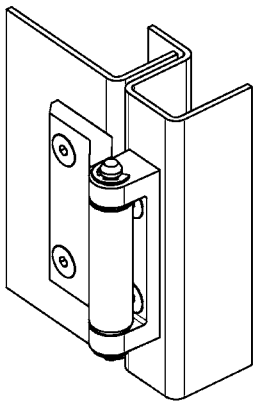
* not included

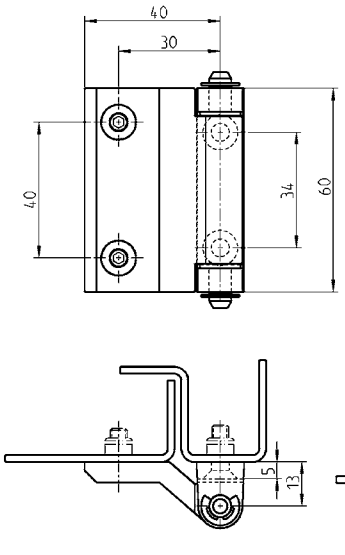
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

3D-screw-on hinge zinc die, shaft and grub screw stainless steel		
	LH version	RH version
black powder coated	1054-U32	1054-U31
raw	1054-U32-01	1054-U31-01

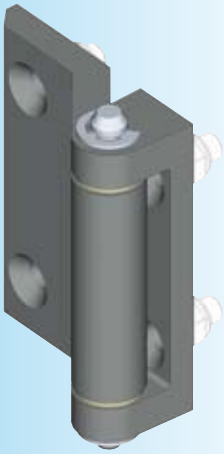
180° screw-on hinge

PROGRAM 1054

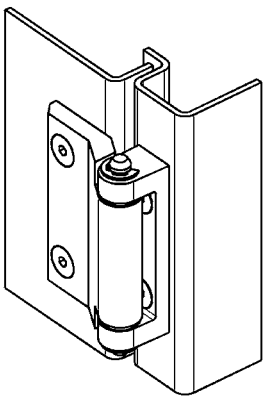


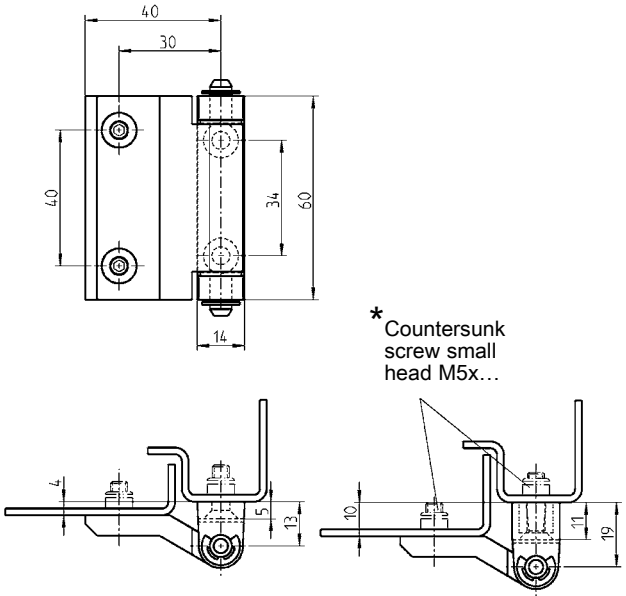


* Countersunk screw small head M5x…

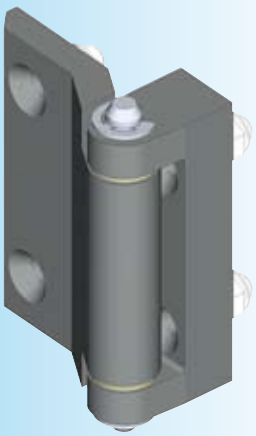


Screw-on hinge zinc die, pin and washer m.s. zinc pl. and bush polyamide		
	level	**6 mm higher**
chrome plated	1054-U4	1054-U27
black powder coated	1054-U5	1054-U28
raw	1054-U22**	1054-U29**
** = Minimum order quantity 1000 pcs.		
Screw-on hinge AISI 316 and bushes polyamide		
	1054-U5-PH	-





* Countersunk screw small head M5x…



Screw-on hinge zinc die, pin and washer m.s. zinc pl. and bush polyamide		
	4 mm higher	**10 mm higher**
chrome plated	1054-U7	1054-U19
black powder coated	1054-U10	1054-U20
raw	1054-U18**	1054-U21**
** = Minimum order quantity 1000 pcs.		

* not included

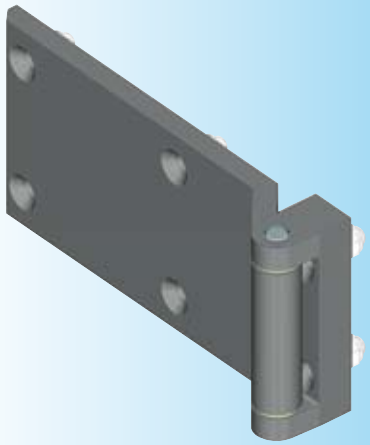
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

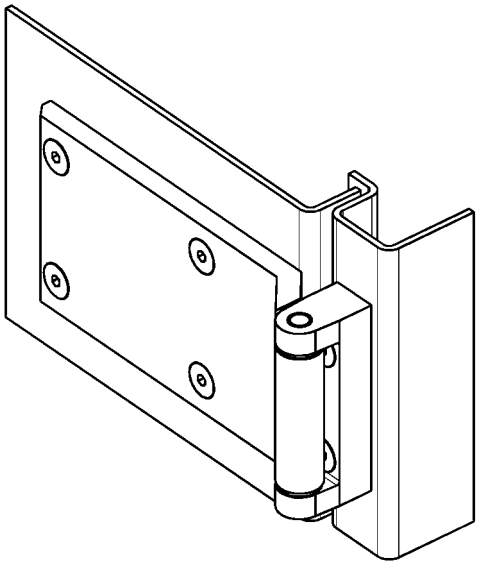
EMKA®

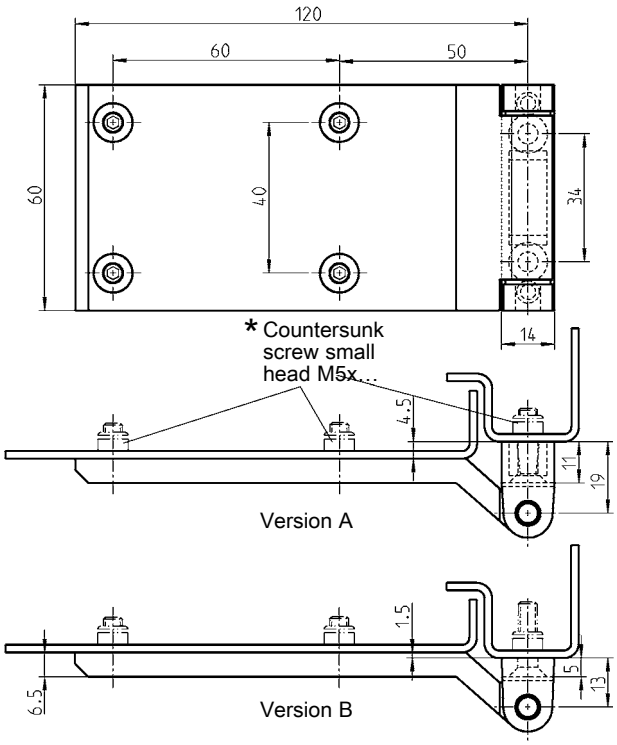
Beschlagteile

180° screw-on hinge

PROGRAM 1054







* not included

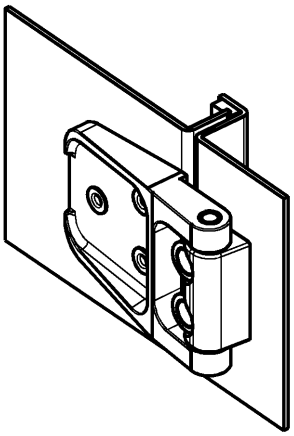
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

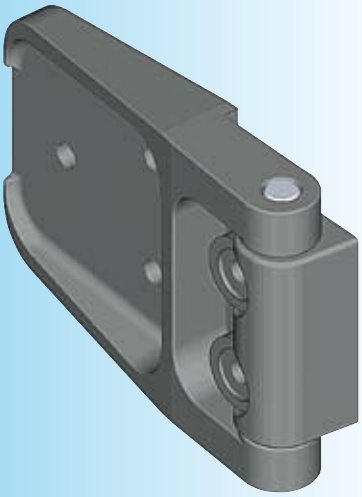
Screw-on hinge zinc die, pin stainless steel and bushes polyamide		
	Version A	Version B
black powder coated	1054-U11	1054-U6
raw	1054-U13**	1054-U12**
** = Minimum order quantity 1000 pcs.		

Hinge

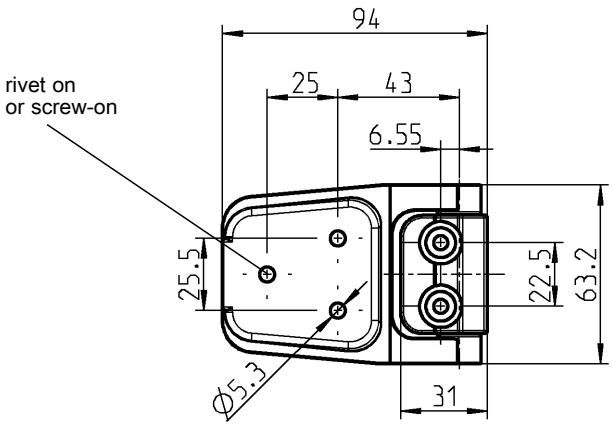
PROGRAM 1091

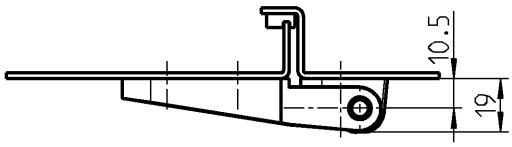
180° hinge for in-line cabinets with single door





Application
for double skin doors





Hinge polyamide GF black, pin m.s. zinc pl.	
	1091-U117

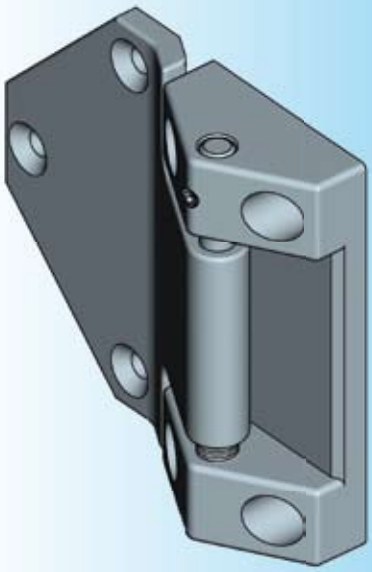
EMKA®

Beschlagteile

180° screw-on hinge stainless steel adjustable

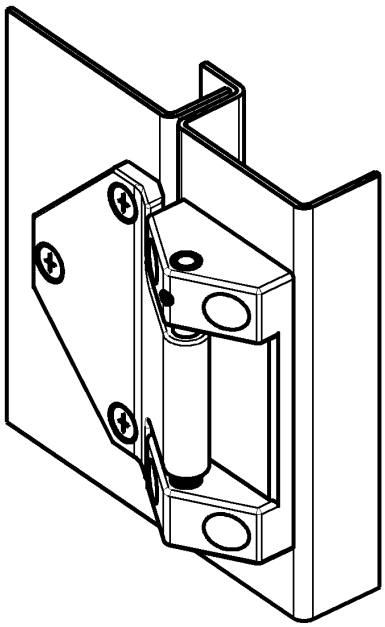
PROGRAM 1054

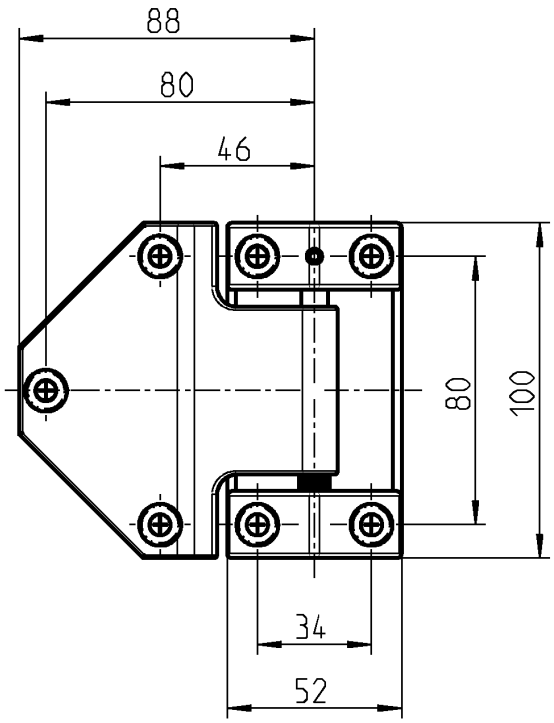


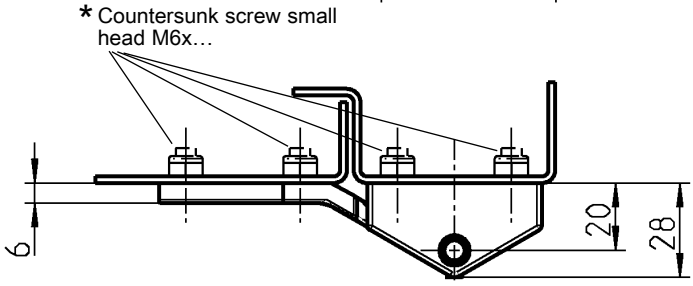


Height adjustment ±4 mm

RH- or LH-version by turning around the door part







* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

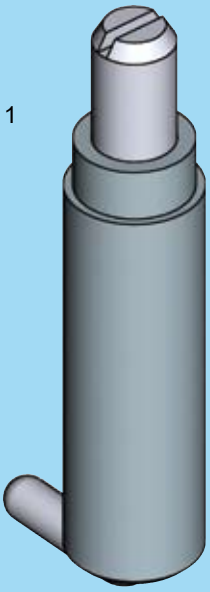
Further parts see page
– 2D-nut 12E-120

Screw-on hinge adjustable AISI 316, washer and pin stainless steel

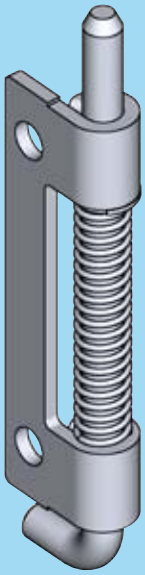
1054-U39

Pin hinge
Program 1117

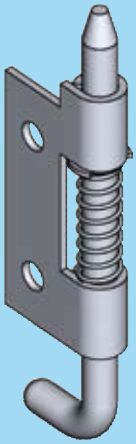
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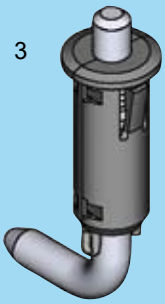
2



2



3



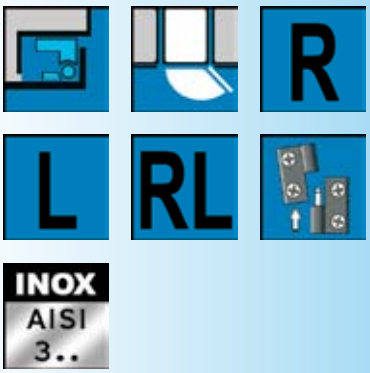
1	Weld-on pin hinge	4C-120
2	Screw-on pin hinge	4C-120
3	Clip-in pin hinge	4C-130

EMKA®

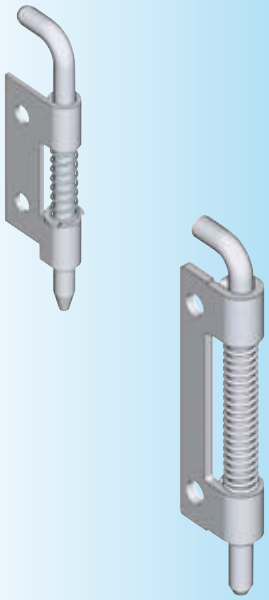
Beschlagteile

Pin hinge

PROGRAM 1117

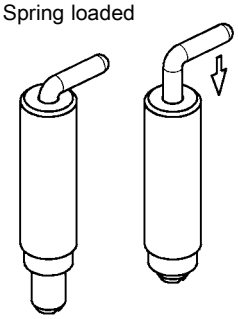


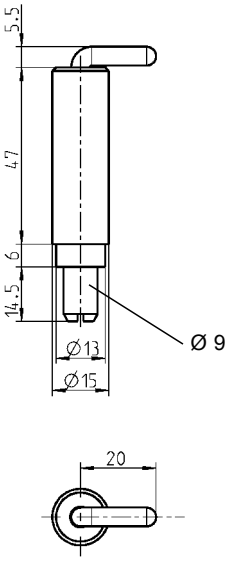




EDELSTAHL Rostfrei STAINLESS STEEL

Spring loaded

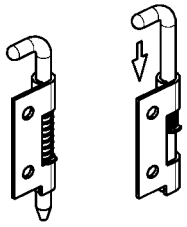




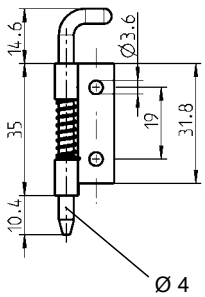
Pin hinge m.s. zinc pl., spring material spring steel zinc pl., guide tube m.s. raw or completely AISI 304	
m.s.	1117-U1
AISI	1117-U1-PF

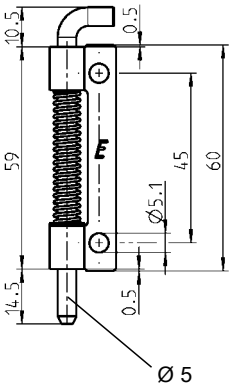
EDELSTAHL Rostfrei STAINLESS STEEL

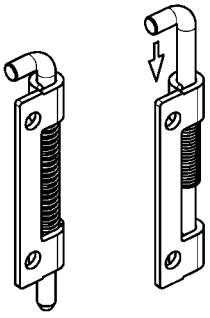
Spring loaded



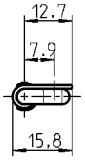
Version A

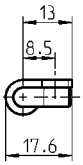






Version B

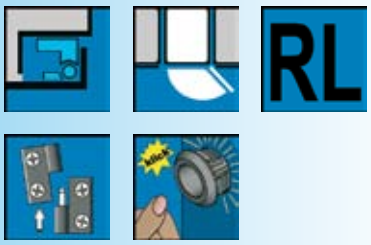


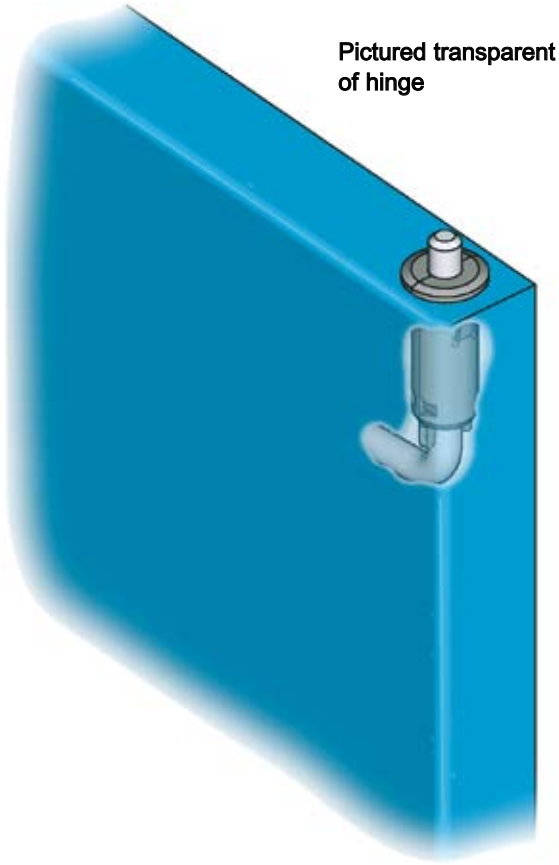


Pin hinge m.s. zinc pl., spring material spring steel zinc pl.			
RH-version A	1117-U2	LH-version A	1117-U3
RH-version B	1117-U4	LH-version B	1117-U5
Pin hinge AISI 304, pin AISI 303, spring stainless steel			
Version B right	1117-U4-PC	Version B left	1117-U5-PC

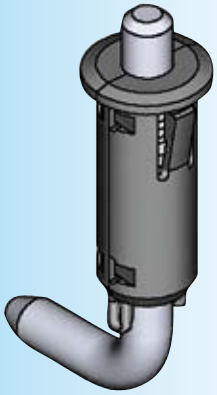
Pin hinge

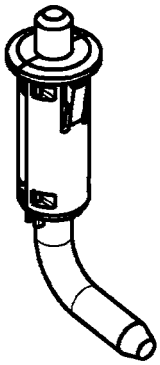
PROGRAM 1117

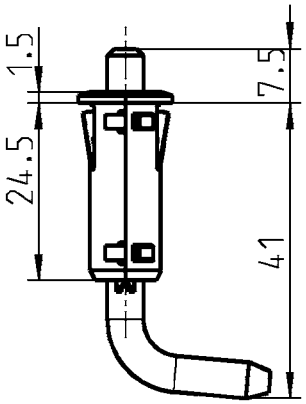


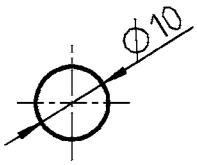


Pictured transparent in the range of hinge

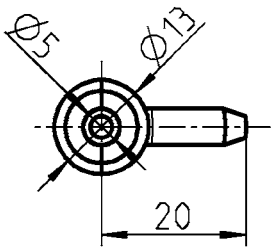








Cut out

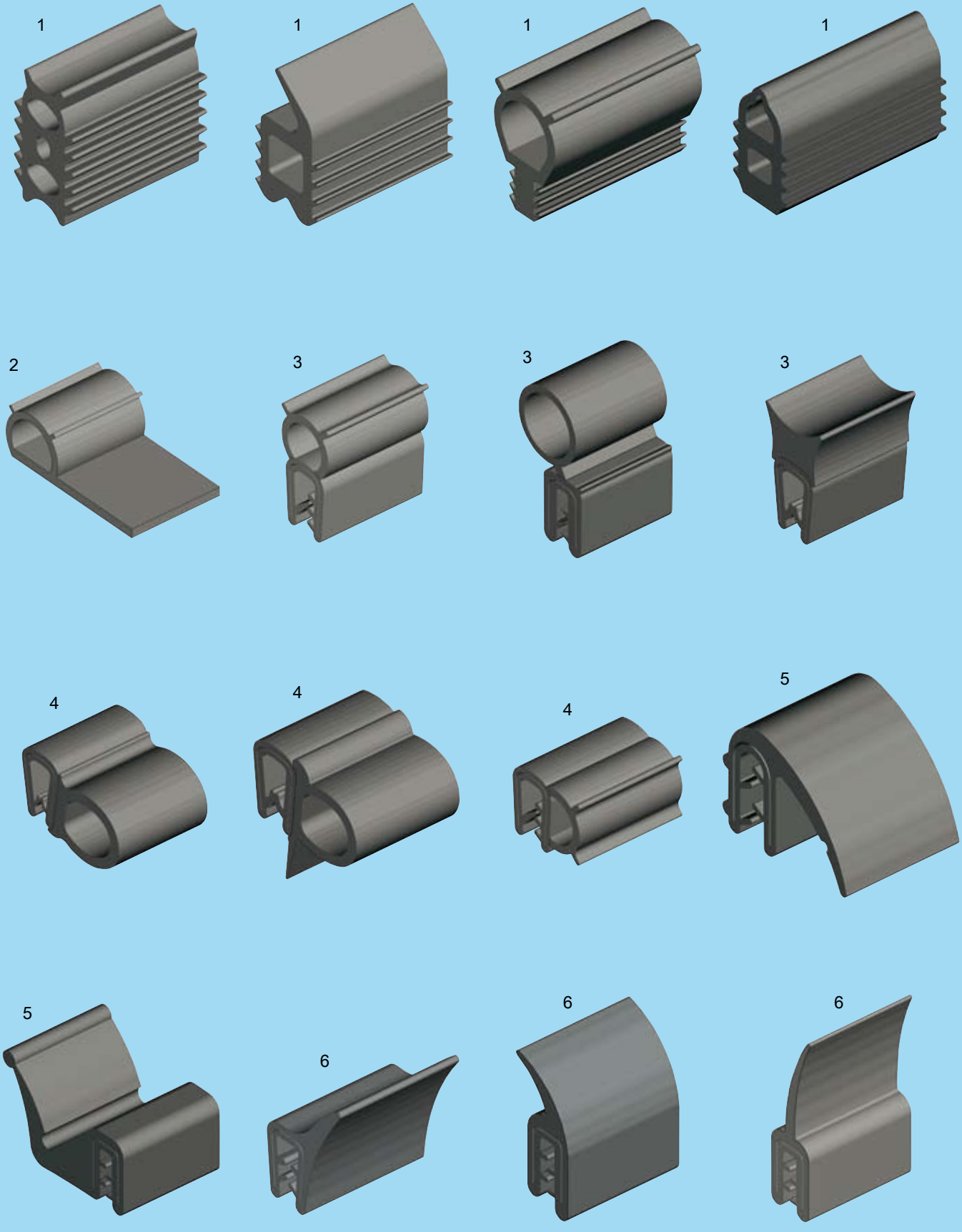


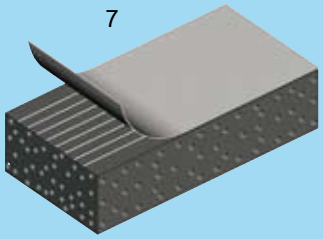
Pin hinge, guide tube polyamide black, pin zinc die, spring material spring steel zinc pl.	
Ts = 1,0	1117-U6
Ts = 1.5	1117-U6-01
Ts = 2.0	1117-U6-02

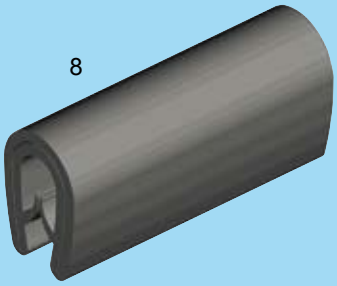
Attention:
To use only with small doors.

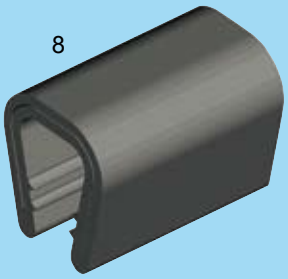
E.g. counter- (energy, water) or toolboxes.

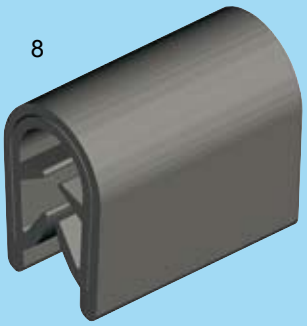
Gasket, edge protection and window rubber profile

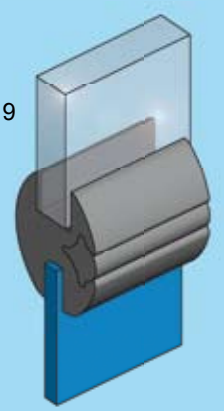


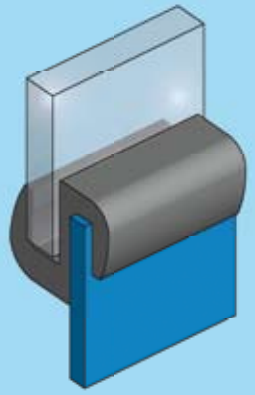


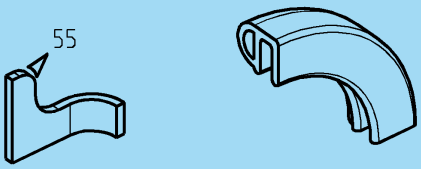




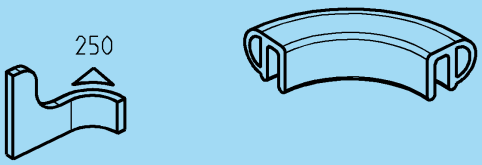




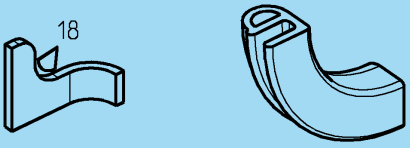




Minimum bending radius



Minimum bending radius

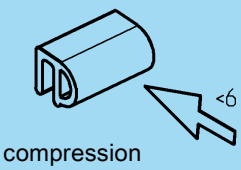


Minimum bending radius



Minimum bending radius

1	Gasketing secured in a U-section	5A-120 up to 5A-160
2	Gasketing	5A-140, 5A-160
3	Self - gripping gasketing	5A-220, 5A-240
4	Self - gripping gasketing	5A-240 up to 5A-300
5	Self - gripping gasketing	5A-300, 5A-320
6	Self - gripping gasketing	5A-320 up to 5A-360
7	Cell sponge rubber, with stretch eliminating self-adhesive backing	5A-440
8	Edge protection	5A-520 up to 5A-560
9	Clamping profile and window rubber profile	5A-620, 5A-640



compression

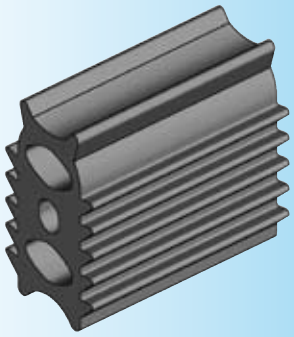
EMKA®

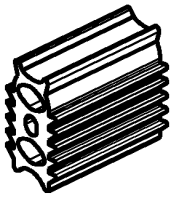
Beschlagteile

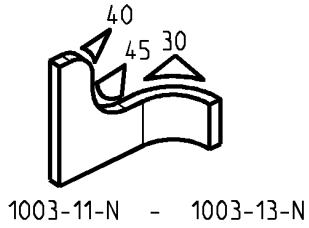
Gasketing

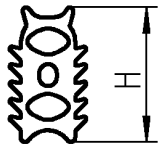
PROGRAM 1003

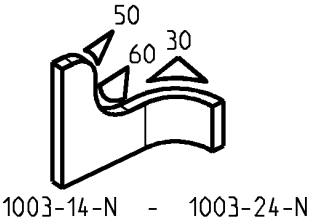
4 Lip gasket

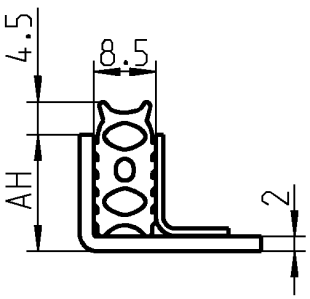






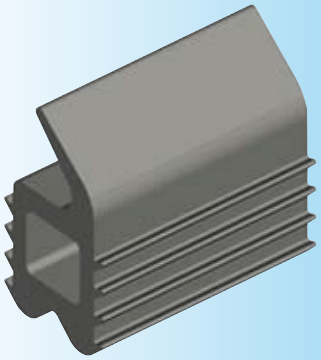




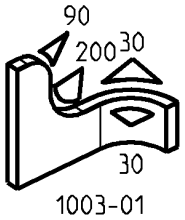


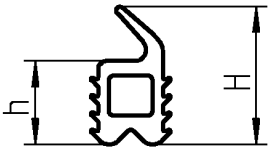
4 lip gasket, sponge-rubber, black EPDM 25° Shore					
AH	Height H		AH	Height H	
16	18,5	1003-11-N*	22	24,5	1003-15-N*
18	20,5	1003-12-N*	24	26,5	1003-24-N*
20	22,5	1003-13-N*	26	28,5	1003-14-N*

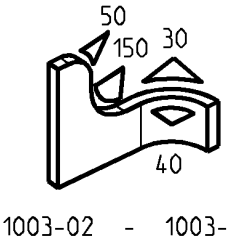
Lip gasket

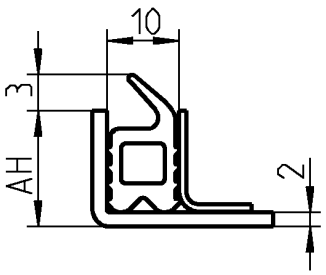












* c UL us

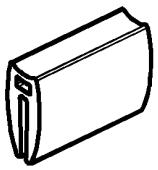
UL 50
UL 50E
UL 94-HB

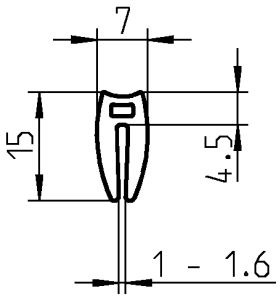
Lip gasket EPDM 55° Shore A black									
AH	H	h	Number of chambers		AH	H	h	Number of chambers	
16	17	9,5	1	1003-04	20	21	13,5	2	1003-02
18	19	11,5	1	1003-03	26	27	19,5	3	1003-01

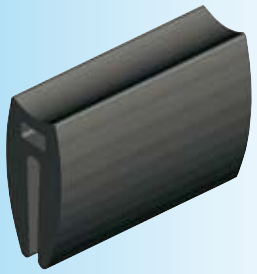
Gasketing

PROGRAM 1003, 1038

c US *

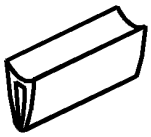


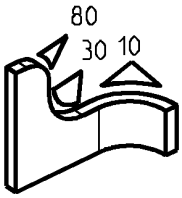


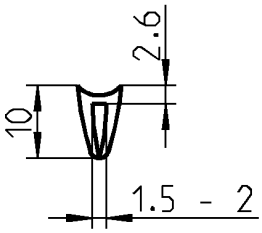


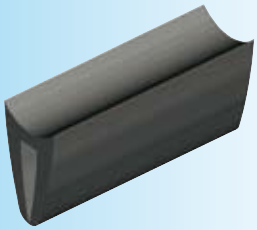
Gasket, black EPDM 55° Shore A	1038-02*

c US *

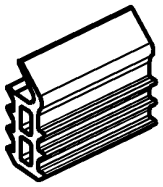


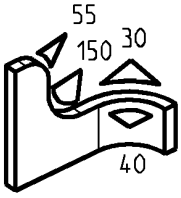


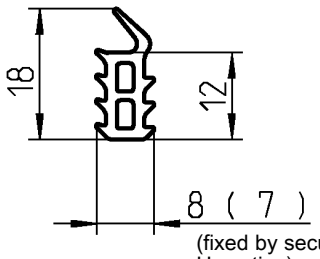




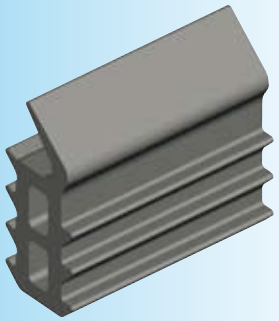
Gasket, black EPDM 55° Shore A	1038-06*



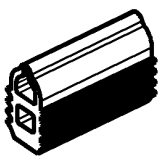


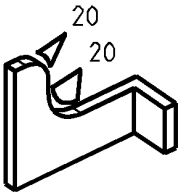


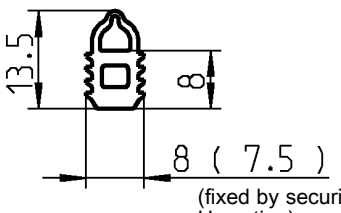
(fixed by securing in a U-section)



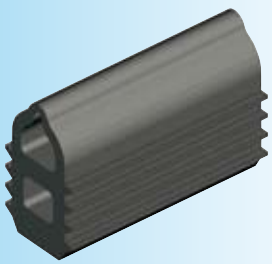
Gasket, black EPDM 55° Shore A	1003-07







(fixed by securing in a U-section)



* c US

UL 50
UL 50-E
UL 94-HB

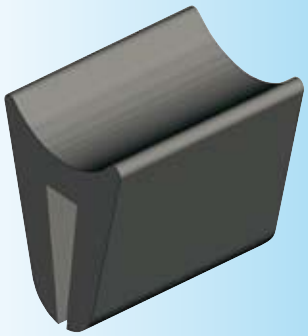
Gasket, black EPDM 55° Shore A	1038-01

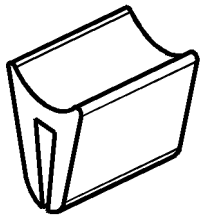
EMKA®

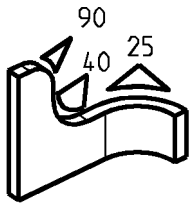
Beschlagteile

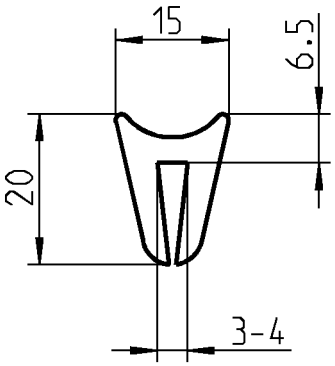
Gasketing

PROGRAM 1038, 1101

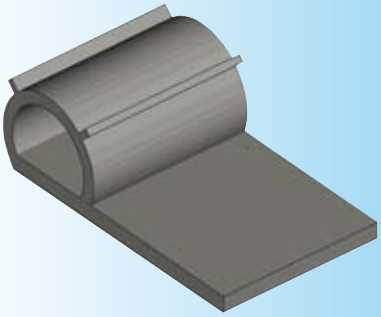


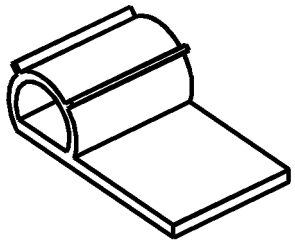


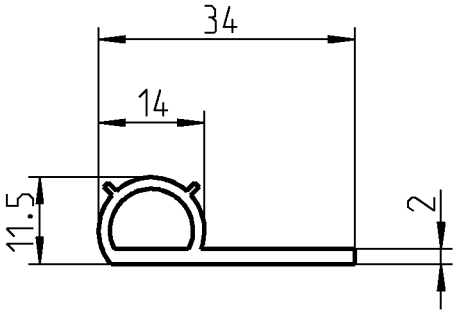




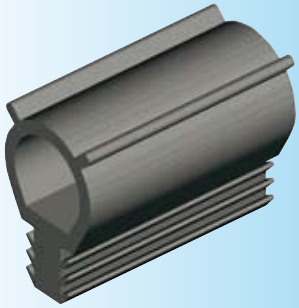
Gasket, black EPDM 55° Shore A	
	1038-07

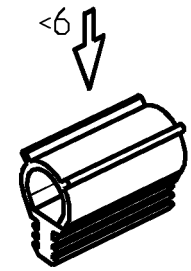




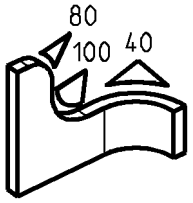


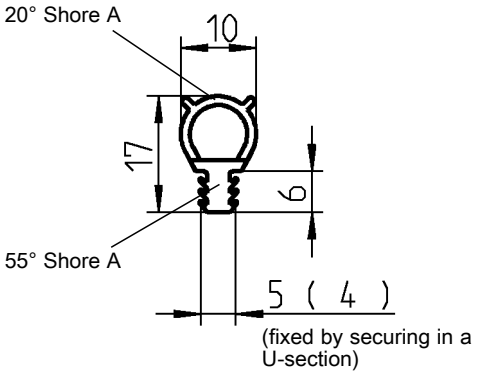
Gasket, black EPDM 55° Shore A	
	1038-10





compression



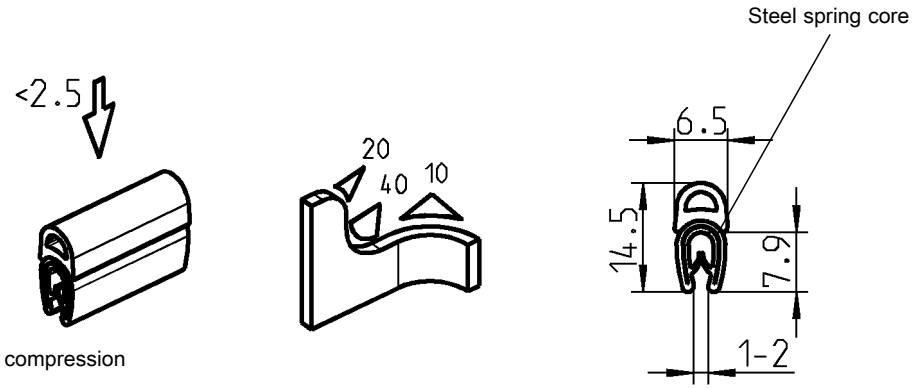


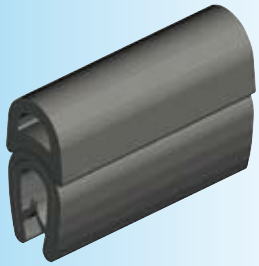
(fixed by securing in a U-section)

Gasket PVC, (EPDM) 55° ± 5 Shore A / sponge-rubber EPDM black	
	1101-03

Self-gripping gasketing

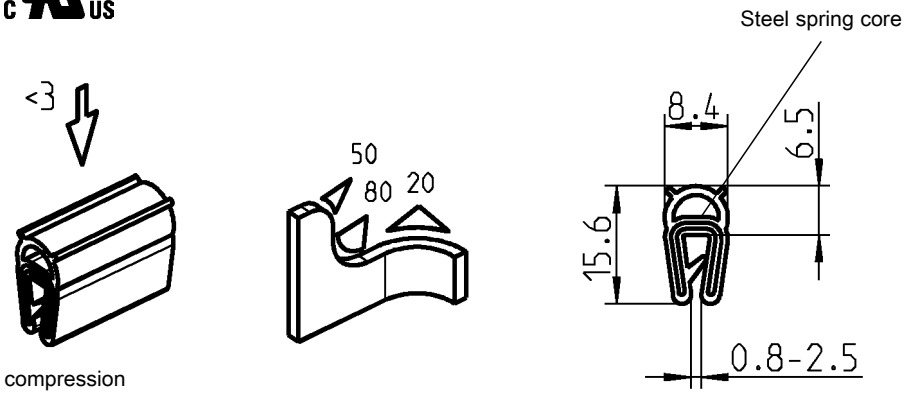
PROGRAM 1011





Sponge-rubber (EPDM) black / Gasket PVC	
	1011-24

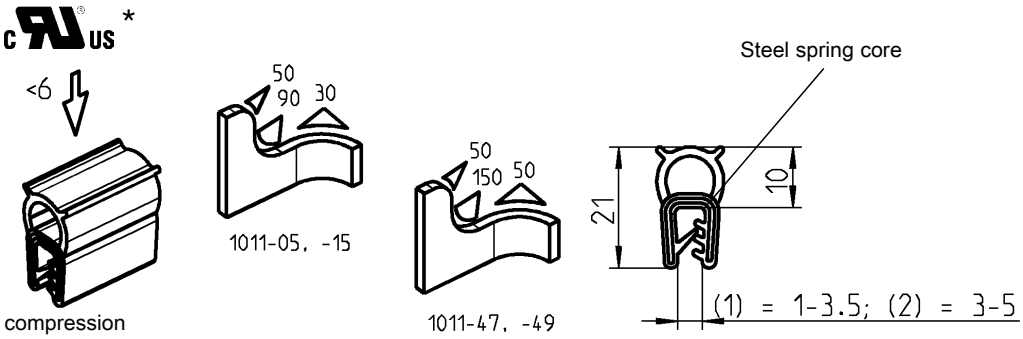
c UL us *

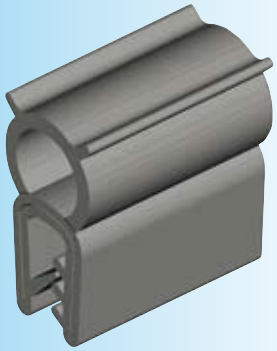




Material for gasket depends upon choice	
Sponge-rubber (EPDM) black (gasket EPDM 65° ± 5 Shore)	1011-10*
Foam rubber (NBR) black (gasket NBR 60° ± 5 Shore A)	1011-50

c UL us *





Material for gasket depends upon choice	A	
Sponge-rubber (EPDM) black (gasket EPDM 65° ± 5 Shore)	20	1011-05* (1)
Foam rubber(NBR) black (gasket NBR 60° ± 5 Shore A)	21	1011-15 (1)
Sponge-rubber (EPDM) black (gasket EPDM 65° ± 5 Shore)	21	1011-49 (2)
Foam rubber (NBR) black (gasket NBR 60° p ± Shore A)	21	1011-47 (2)

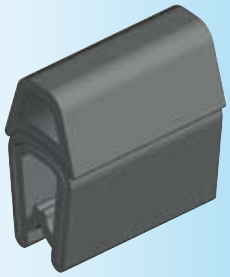
* c UL us
UL 50
UL 50E
UL 94-HB

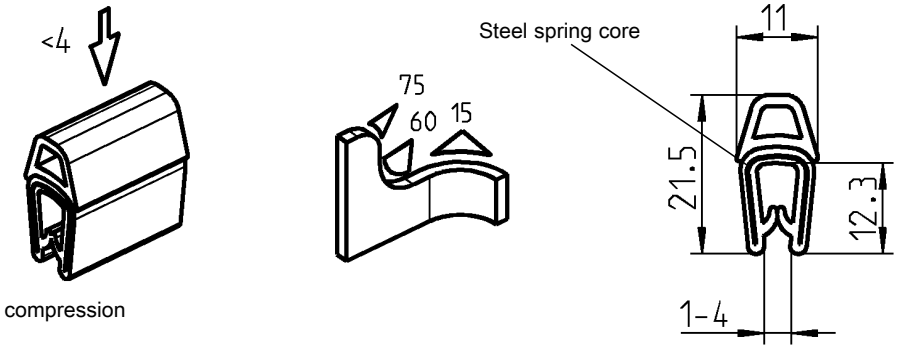
EMKA®

Beschlagteile

Self-gripping gasketing

PROGRAM 1011

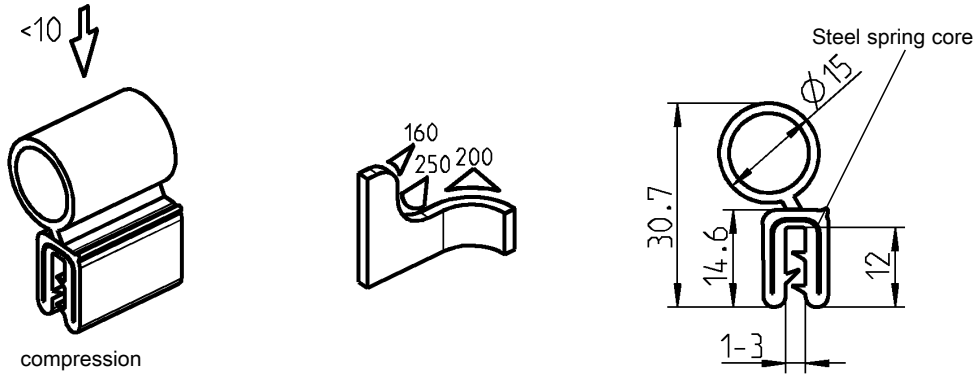




Sponge-rubber (EPDM) black / Gasket PVC

1011-18

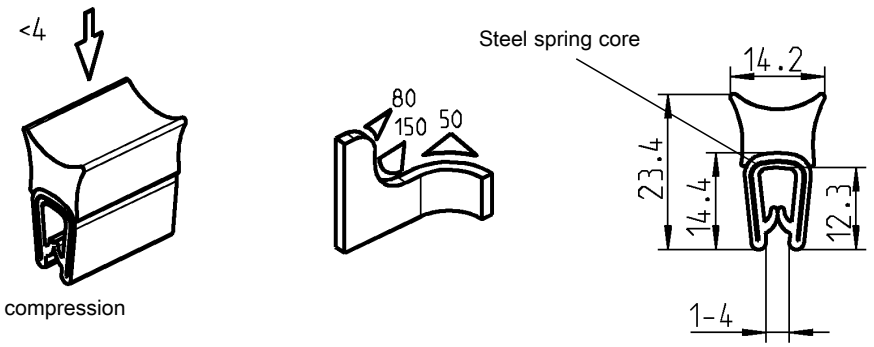




Gasket EPDM 60° ± 5 Shore A black

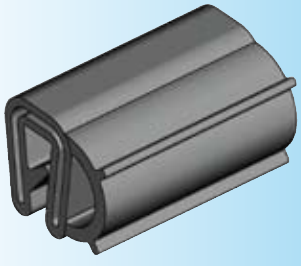
1011-34

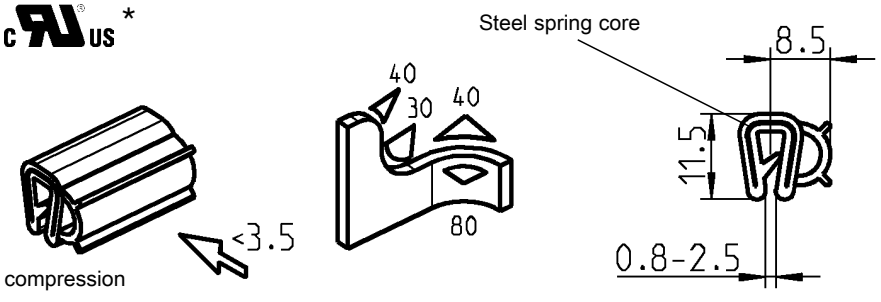




Sponge-rubber (EPDM) black / Gasket PVC

1011-21





* c UL us®

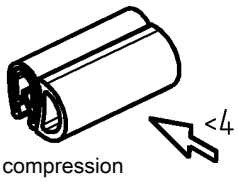
UL 50
UL 50E
UL 94-HB

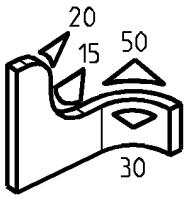
Sponge-rubber (EPDM) black (gasket EPDM 65° ± 5 Shore A)

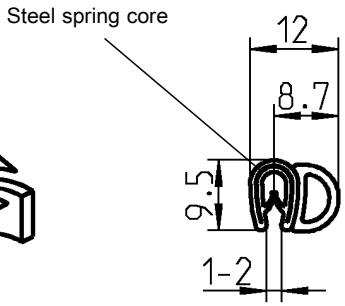
1011-09*

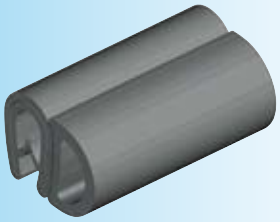
Self-gripping gasketing

PROGRAM 1011



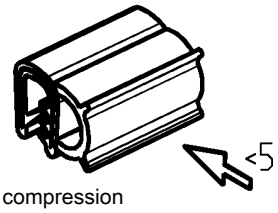


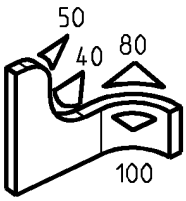


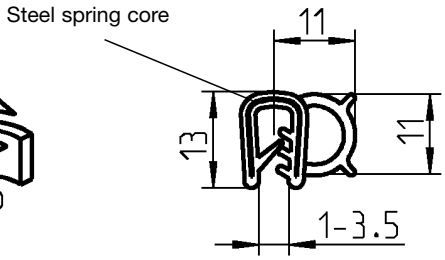


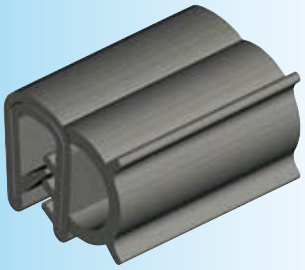
Sponge-rubber (EPDM) black / Gasket PVC	
	1011-20

c UL us *

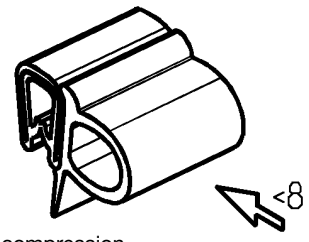


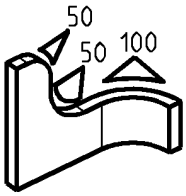


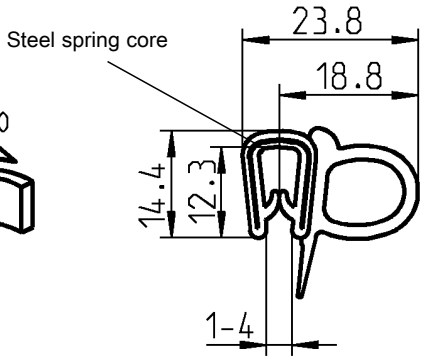


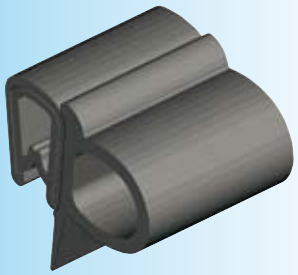


Material for gasketing on choice	
Sponge-rubber (EPDM) black (gasket EPDM 65° ± 5 Shore A)	1011-06*
Foam rubber (NBR) black (gasket NBR 60° p 5 Shore A)	1011-16

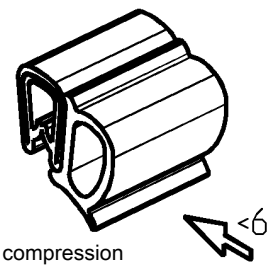


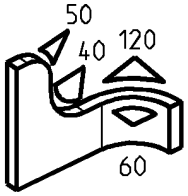


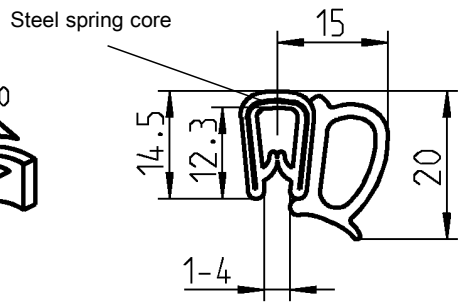


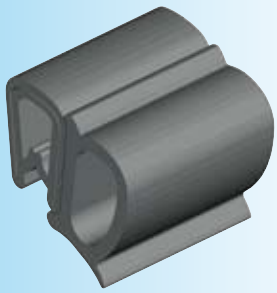


Sponge-rubber (EPDM) black / Gasket PVC	
	1011-25









Sponge-rubber (EPDM) black / Gasket PVC	
	1011-23

* c UL us

UL 50

UL 50E

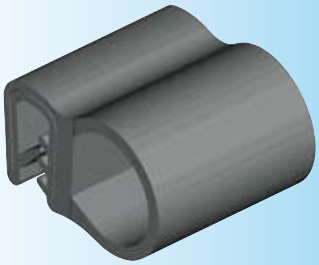
UL 94-HB

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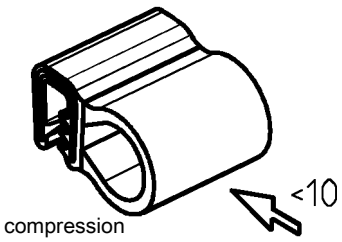
Beschlagteile

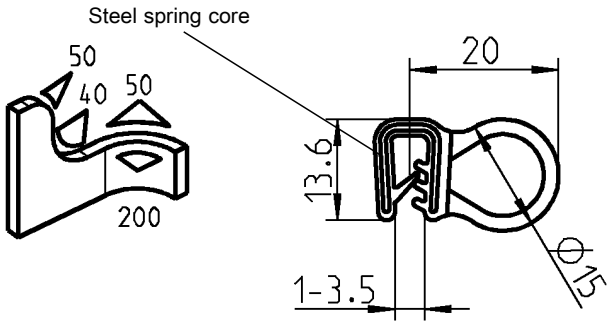
Self-gripping gasketing

PROGRAM 1011

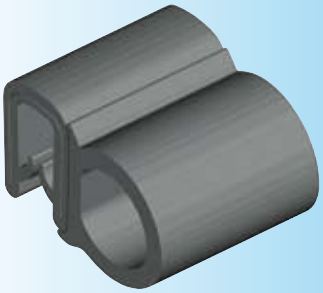


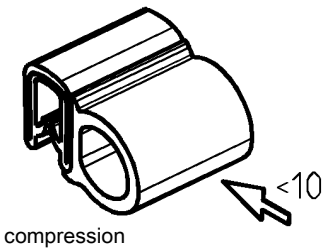
c UL us *

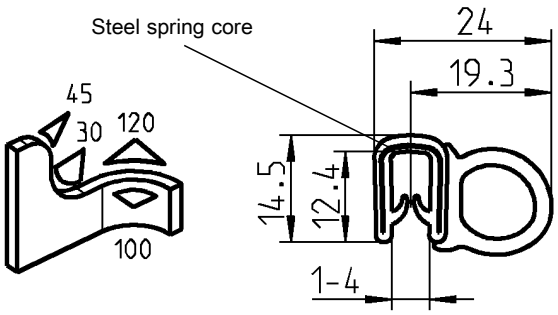




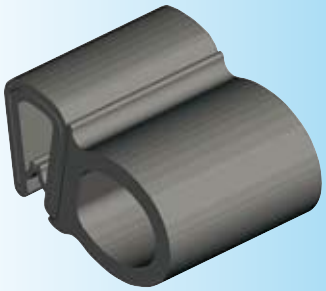
Sponge-rubber (EPDM) black (gasket EPDM 65° ± 5 Shore A)	1011-12*

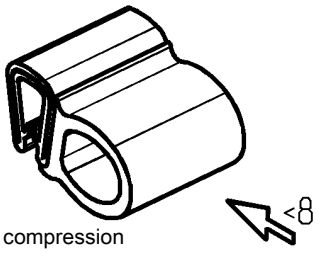


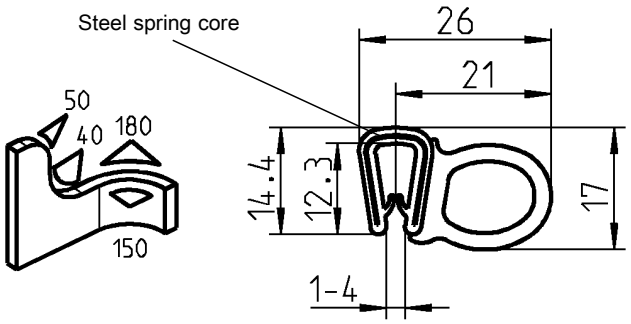




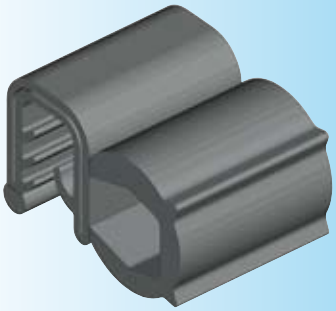
Sponge-rubber (EPDM) black / Gasket PVC	1011-19

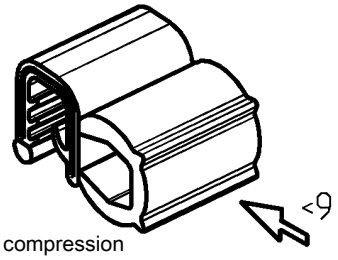


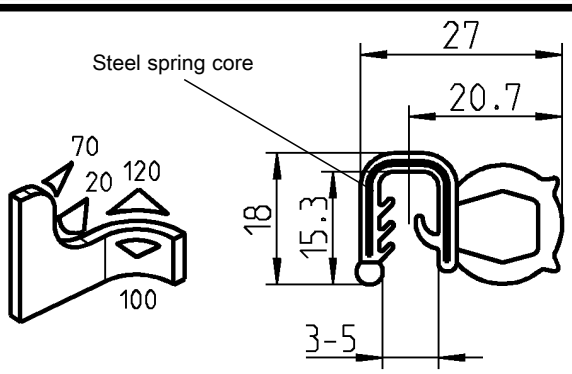




Sponge-rubber (EPDM) black / Gasket PVC	1011-22







Sponge-rubber (EPDM) black (gasket EPDM 65° ± 5 Shore A)	1011-45

* c UL us ®

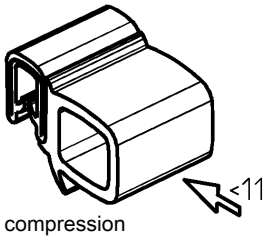
UL 50

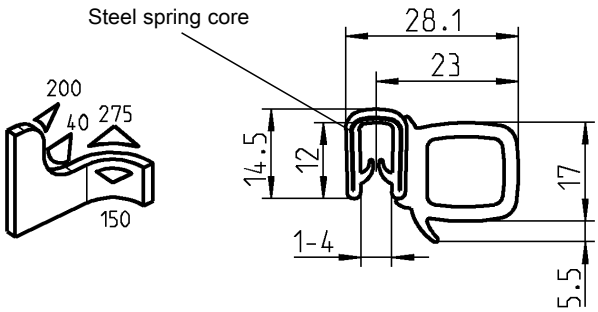
UL 50E

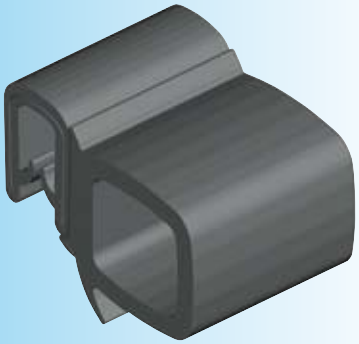
UL 94-HB

Self-gripping gasketing

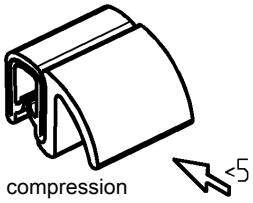
PROGRAM 1011

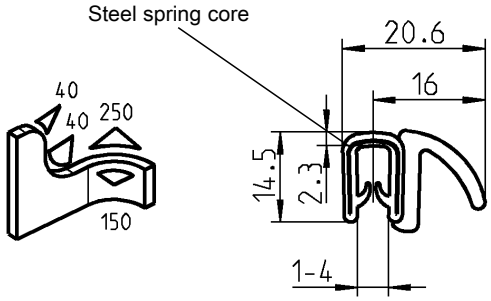


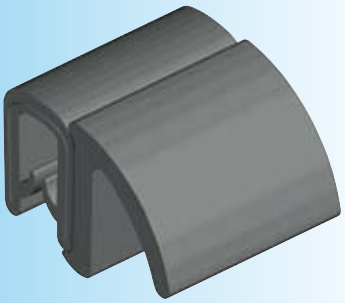




Sponge-rubber (EPDM) black / Gasket PVC	
	1011-26

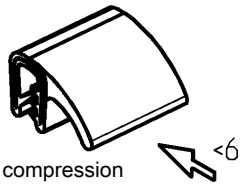


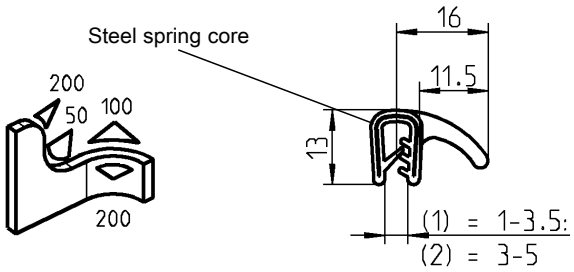


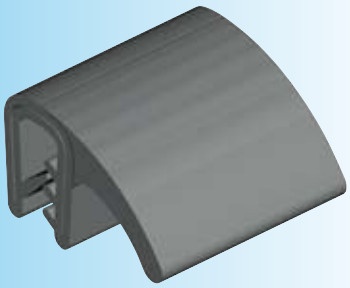


Sponge-rubber (EPDM) black / Gasket PVC	
	1011-17

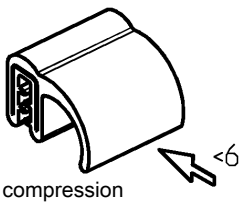
c UL us *

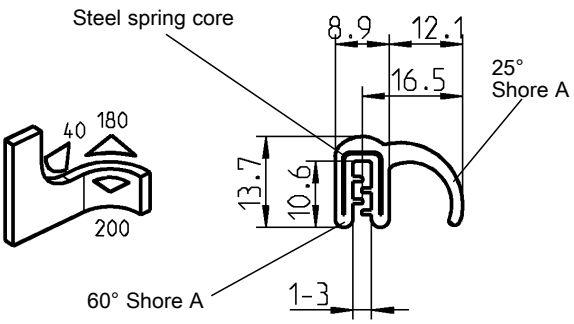


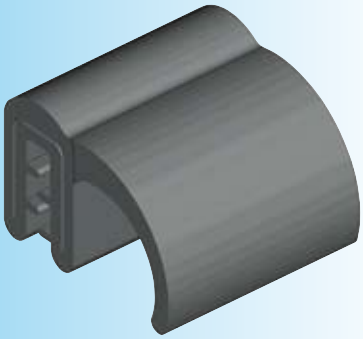




Material for gasketing depends upon choice		
Sponge-rubber (EPDM) black (gasket EPDM 65° ± 5 Shore A)	(1)	1011-08*
Foam-rubber NBR ± 5 Shore A black	(1)	1011-46
Foam rubber (NBR) black (Gasket NBR 60° p 5 Shore A)	(2)	1011-48







Sponge-rubber (EPDM) 25° Shore A black (gasket EPDM 60° ± 5 Shore A)	
	1011-41

* c UL us

UL 50

UL 50E

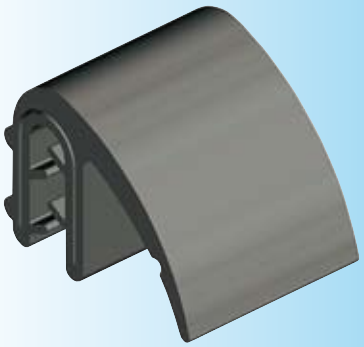
UL 94-HB

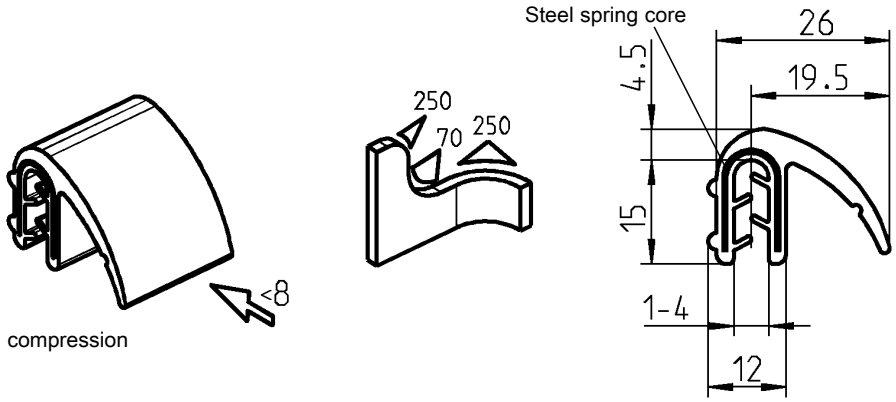
EMKA®

Beschlagteile

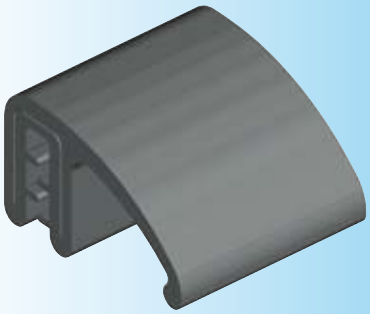
Self-gripping gasketing

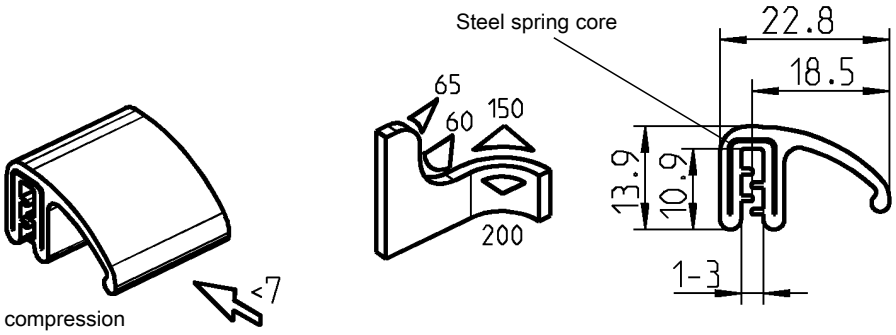
PROGRAM 1011





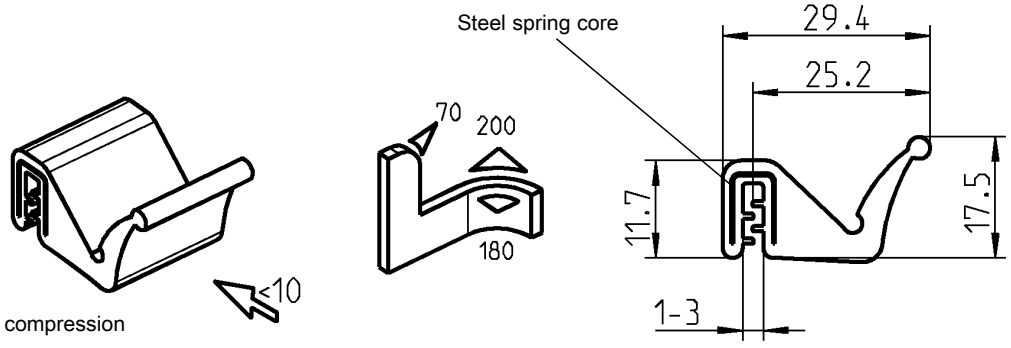
Gasket EPDM 60° ± 5 Shore A black	1011-40



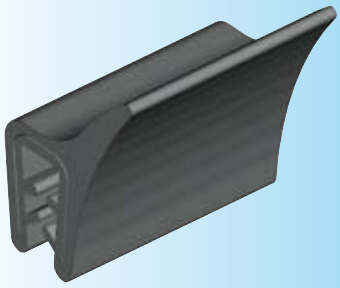


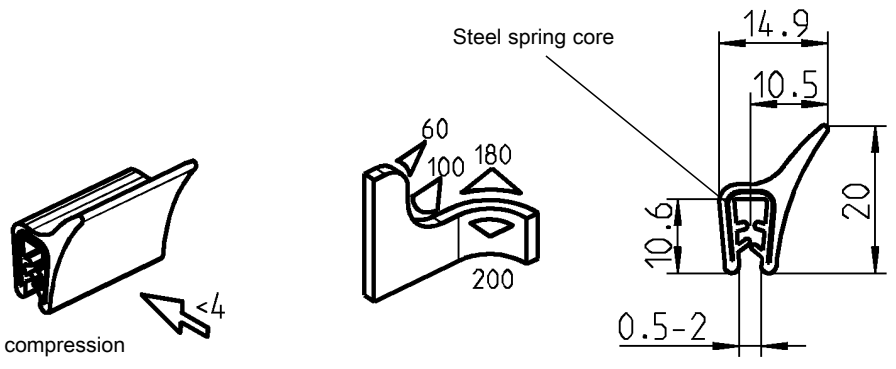
Gasket EPDM 60° ± 5 Shore A black	1011-33





Gasket EPDM 60° ± 5 Shore A black	1011-35

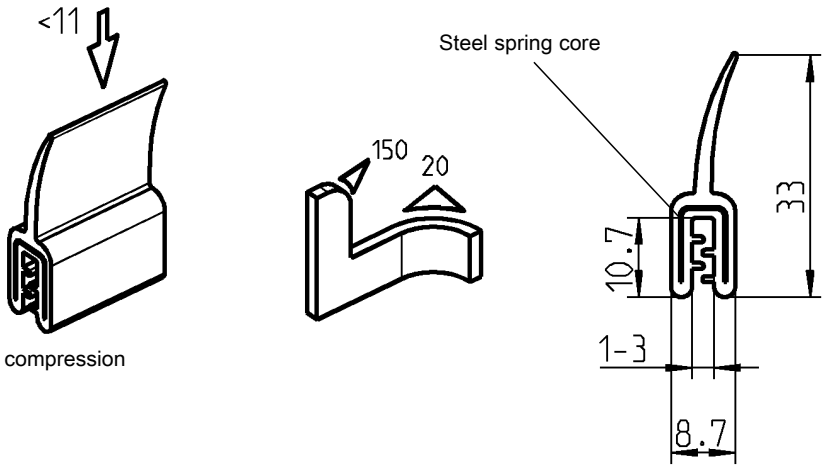


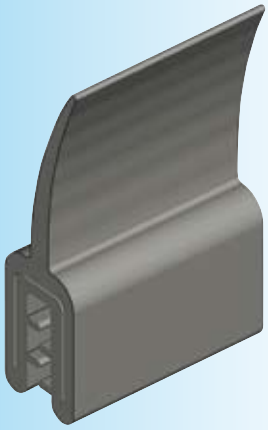


Gasket EPDM 60° ± 5 Shore A black	1011-44

Self-gripping gasketing

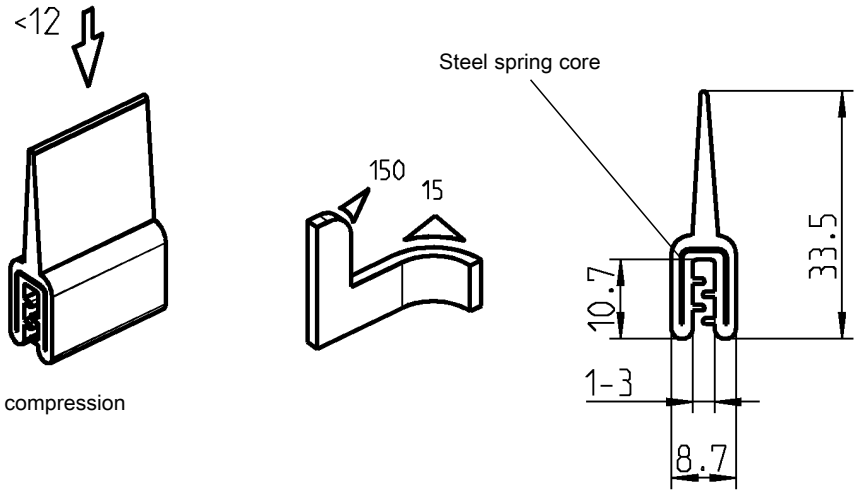
PROGRAM 1011

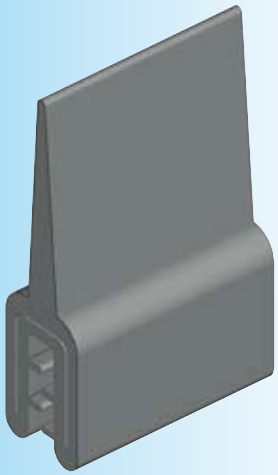




Gasket EPDM 60° ± 5 Shore A black

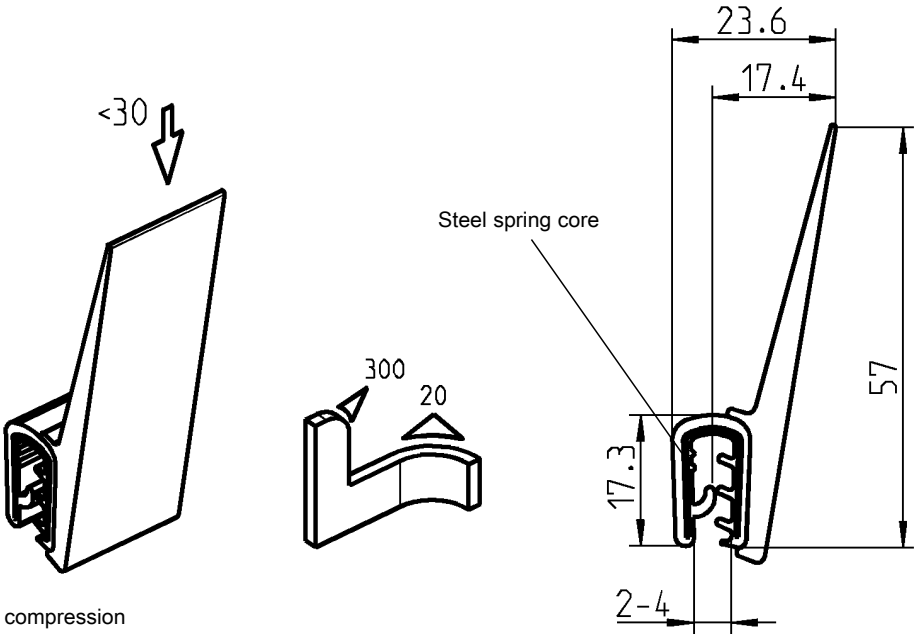
	1011-30

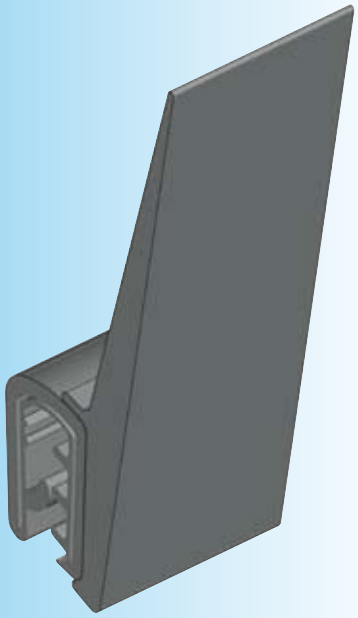




Gasket EPDM 60° ± 5 Shore A black

	1011-36





Sponge-rubber (EPDM) black / gasket PVC

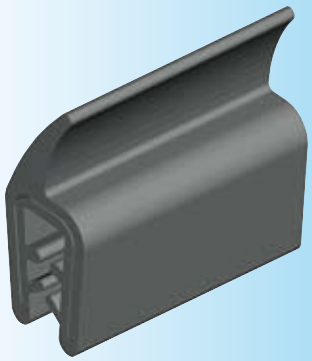
	1011-27

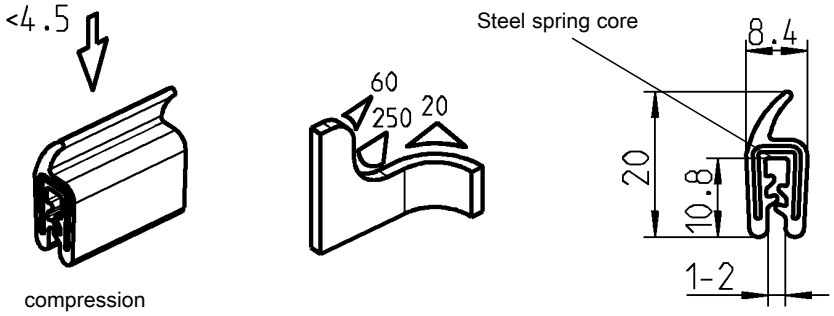
EMKA®

Beschlagteile

Self-gripping gasketing

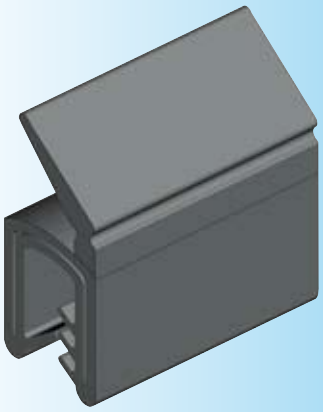
PROGRAM 1011

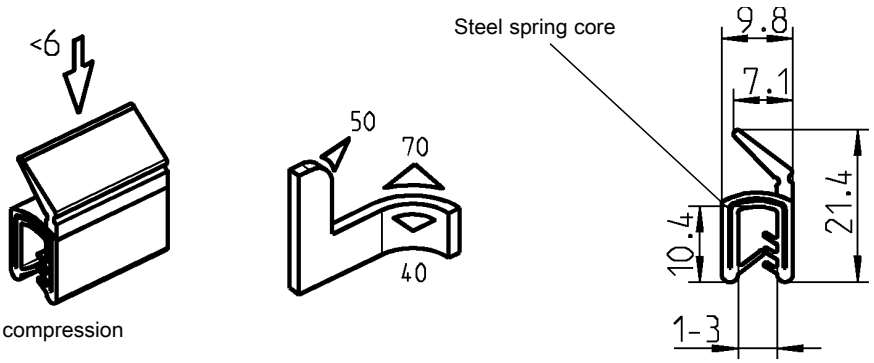




Gasket EPDM 60° ± 5 Shore A black

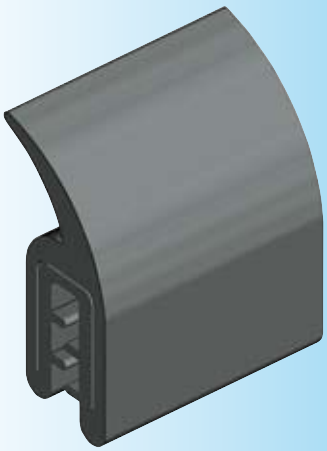
1011-31

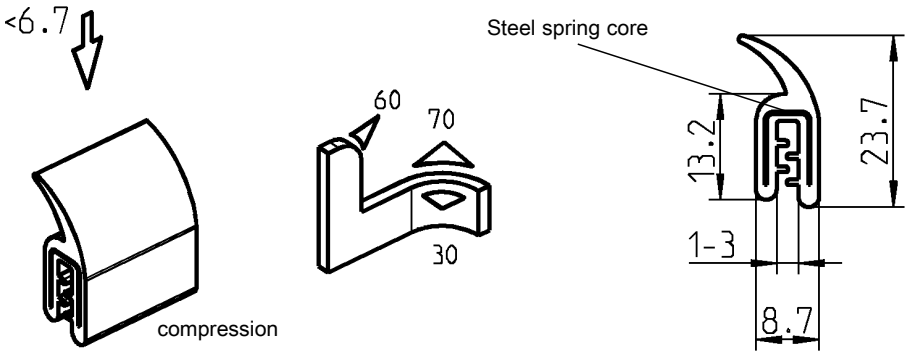




Sponge-rubber (EPDM) black (gasket EPDM 60° ± 5 Shore A)

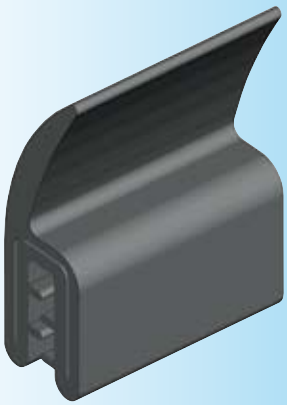
1011-37

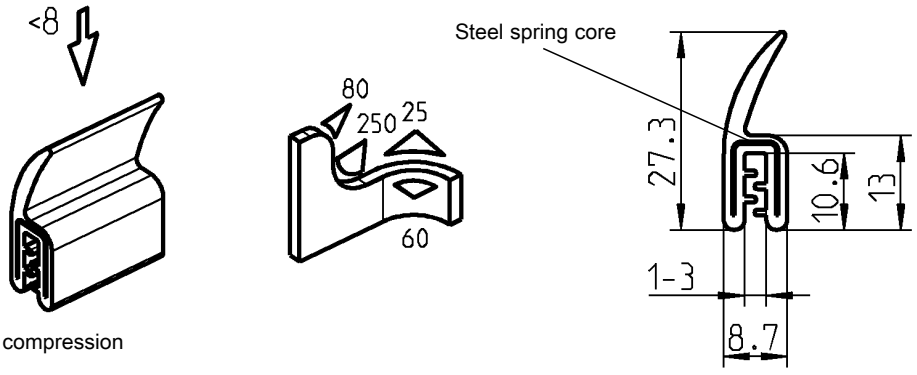




Gasket EPDM 60° ± 5 Shore A black

1011-29





Gasket EPDM 60° ± 5 Shore A black

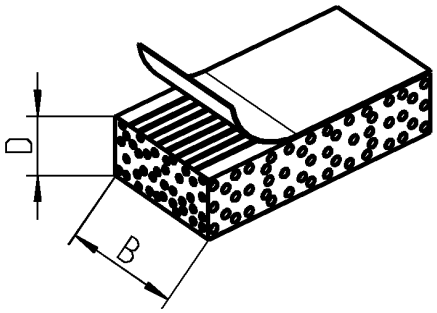
1011-32

Cell sponge rubber

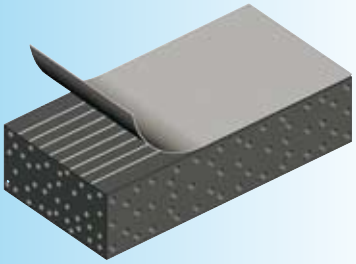
PROGRAM 1016

Cell sponge rubber, black, with stretch eliminating self-adhesive backing.
Coil length:

For depths 3 – 7= the coil length is 10 m
For depths 8 – 10= the coil length is 5 m
For depths 11= the coil length is 1 m



These items can be delivered from stock.
All others will have a lead time of 2 - 3 weeks.



Measurement				Measurement			
Wide	Depth	EPDM	CR	Wide	Depth	EPDM	CR
10	3	1016-13	1016-61	30	10	1016-123	1016-159
	4	1016-14	1016-62		12	1016-124	1016-160
	5	1016-15	1016-63		15	1016-125	1016-161
	6	1016-75	1016-99		20	1016-126	1016-162
	8	1016-76	1016-100		25	1016-127	1016-163
	10	1016-77	1016-101	40	5	1016-128	1016-164
15	3	1016-16	1016-64		10	1016-129	1016-165
	4	1016-17	1016-65		15	1016-130	1016-166
	5	1016-18	1016-66		20	1016-131	1016-167
	6	1016-78	1016-102		25	1016-132	1016-168
	8	1016-79	1016-103		30	1016-133	1016-169
	10	1016-80	1016-104	50	5	1016-134	1016-170
	12	1016-81	1016-105		10	1016-135	1016-171
	15	1016-82	1016-106		15	1016-136	1016-172
20	3	1016-19	1016-67		20	1016-137	1016-173
	4	1016-20	1016-68		25	1016-138	1016-174
	5	1016-21	1016-69		30	1016-139	1016-175
	6	1016-83	1016-107	60	5	1016-140	1016-176
	8	1016-84	1016-108		10	1016-141	1016-177
	10	1016-85	1016-109		15	1016-142	1016-178
	12	1016-86	1016-110		20	1016-143	1016-179
	15	1016-87	1016-111		25	1016-144	1016-180
	20	1016-88	1016-112		30	1016-145	1016-181
25	3	1016-89	1016-113	70	5	1016-146	1016-182
	4	1016-90	1016-114		10	1016-147	1016-183
	6	1016-91	1016-115		15	1016-148	1016-184
	8	1016-92	1016-116		20	1016-149	1016-185
	10	1016-93	1016-117		25	1016-150	1016-186
	12	1016-94	1016-118		30	1016-151	1016-187
	15	1016-95	1016-119	80	5	1016-152	1016-188
	20	1016-96	1016-120		10	1016-153	1016-189
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	6	1016-97	1016-121		30	1016-157	1016-193
	8	1016-98	1016-122		40	1016-158	1016-194

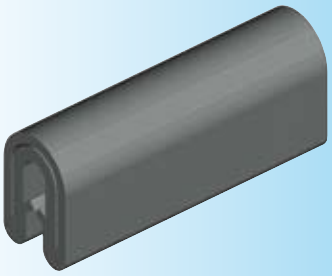
Note:
Special sizes on request.

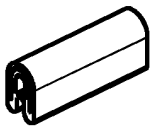
EMKA®

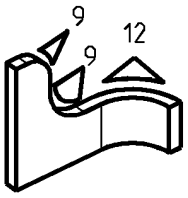
Beschlagteile

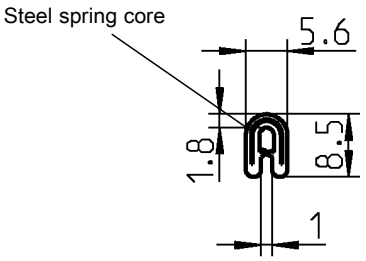
Edge-protection

PROGRAM 1010



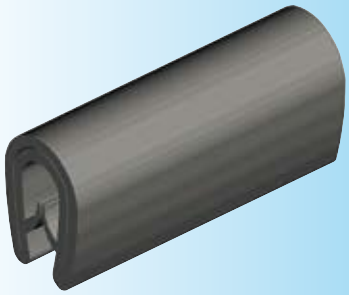


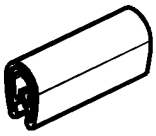


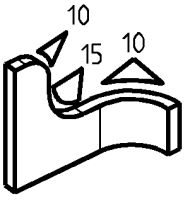


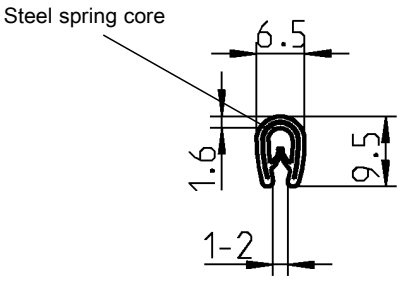
Edge protection PVC color of your choice	
black	1010-03
grey	1010-03-01

Temperature = -40°C to 90°C

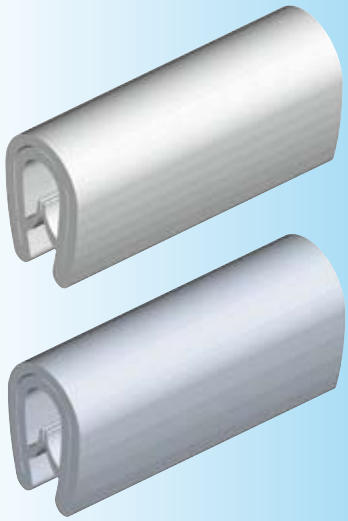


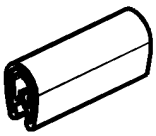


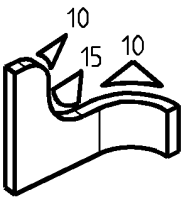


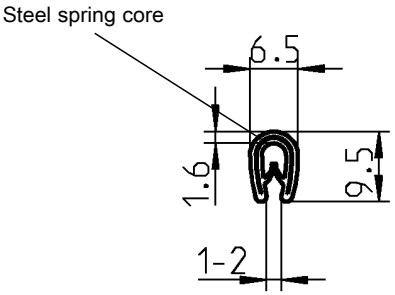


Edge-protection PVC black	
	1010-02

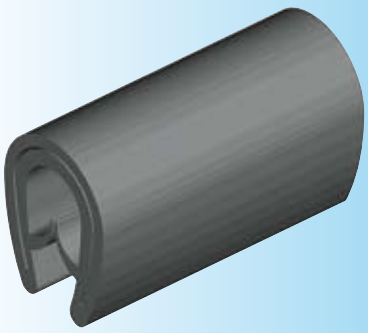


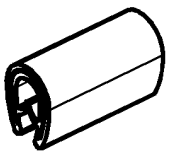


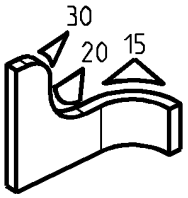


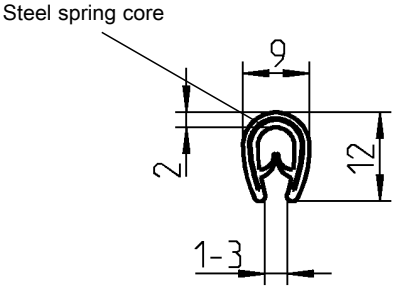


Edge protection PVC color of your choice	
light-grey	1010-04-01
silver	1010-04-02





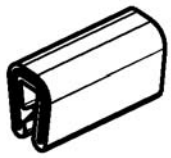


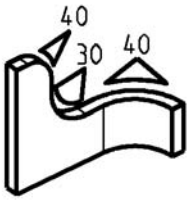


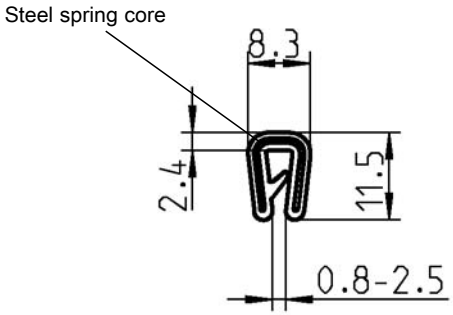
Edge-protection PVC black	
	1010-10

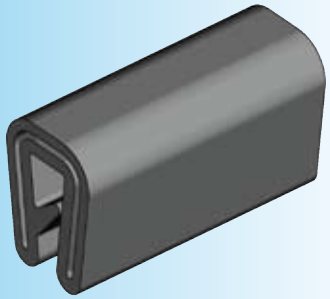
Edge-protection

PROGRAM 1010

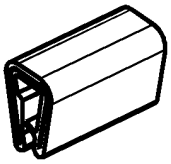


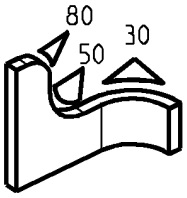


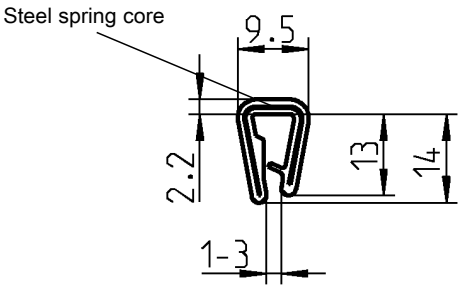


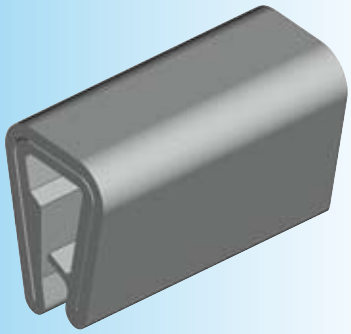


Edge-protection EPDM 60° ± 5 Shore A black	1010-12

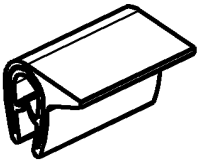


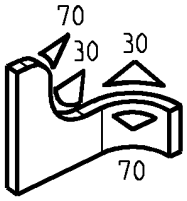


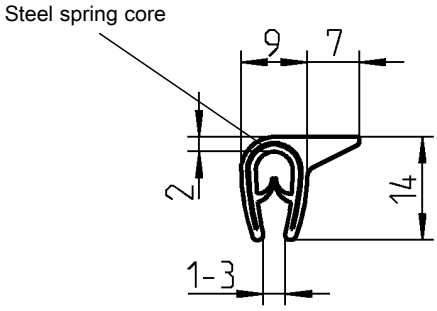


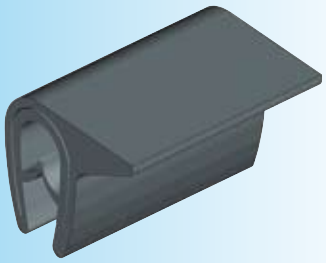


Edge-protection PVC grey	1010-05



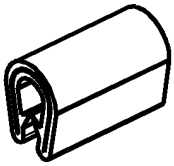


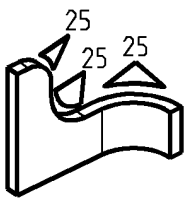


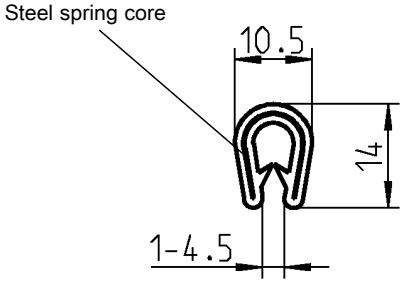


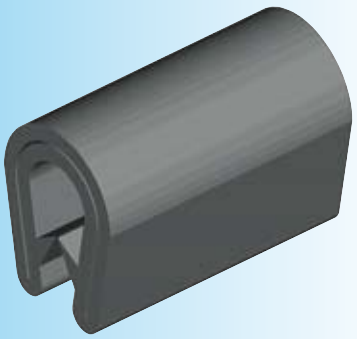
Edge-protection PVC charcoal	1010-09

Temperature = -40°C to 90°C









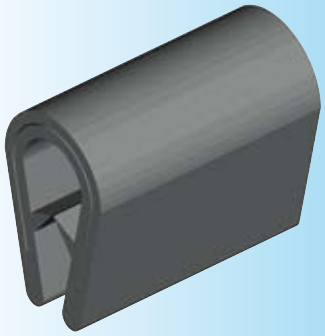
Edge-protection PVC black	1010-01

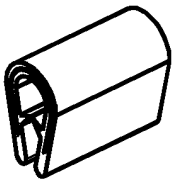
EMKA®

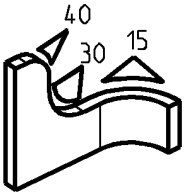
Beschlagteile

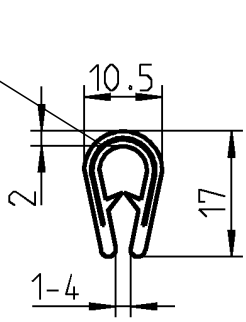
Edge-protection

PROGRAM 1010

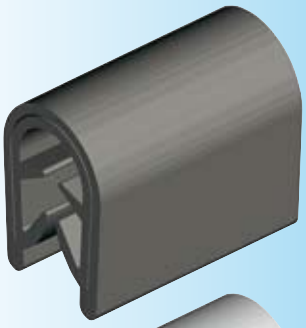


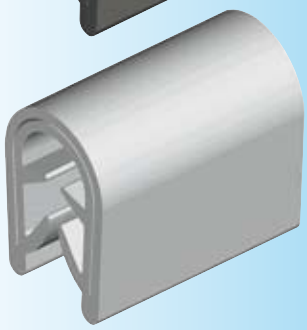


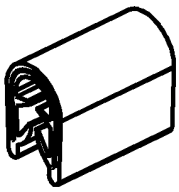


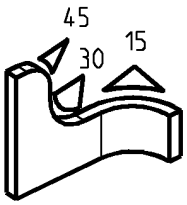


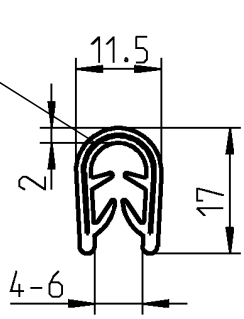
Edge-protection PVC black	
	1010-08



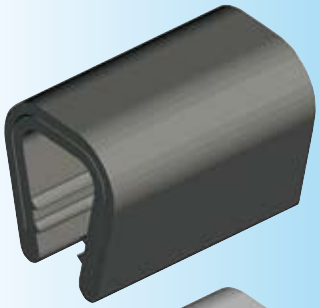


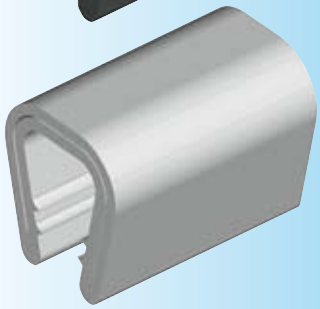


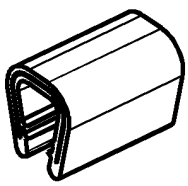


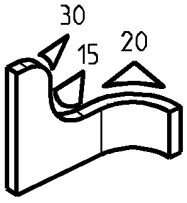


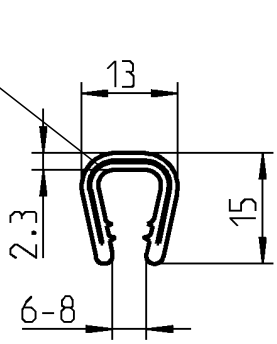
Edge protection PVC color of your choice	
black	1010-11
light-grey	1010-11-01







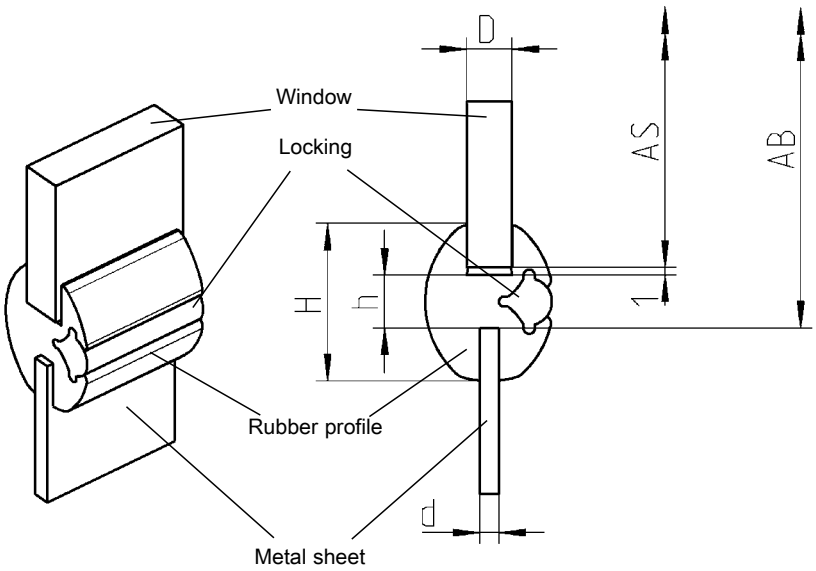


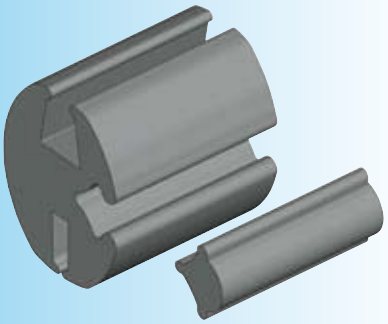


Edge protection PVC color of your choice	
black	1010-06
light-grey	1010-06-01

Window-rubber with locking strip

PROGRAM 1030





AS = dimension of the window
AB = dimension of the cut out

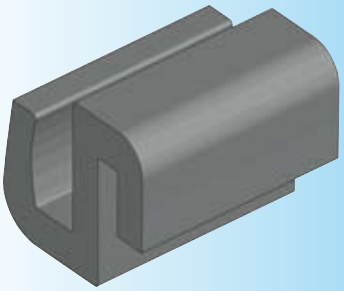
Rubber profile, black EPDM 75° + 5 Shore with locking strip, black, EPDM 85 + 5 Shore								
D	D	H	h	Bending radius	AB in mm	Rubber profile	+	Locking strip
4	2	15	4	>30	AS+10	1030-01	+	1030-04
4	2,5	21	7	>70	AS+16	1030-02	+	1030-05
6	2,5	21	7	>70	AS+16	1030-03	+	1030-05
5	2	17	5	>50	AS+12	1030-07	+	1030-10
2 tools for installation for window and locking strip								
								1030-U1

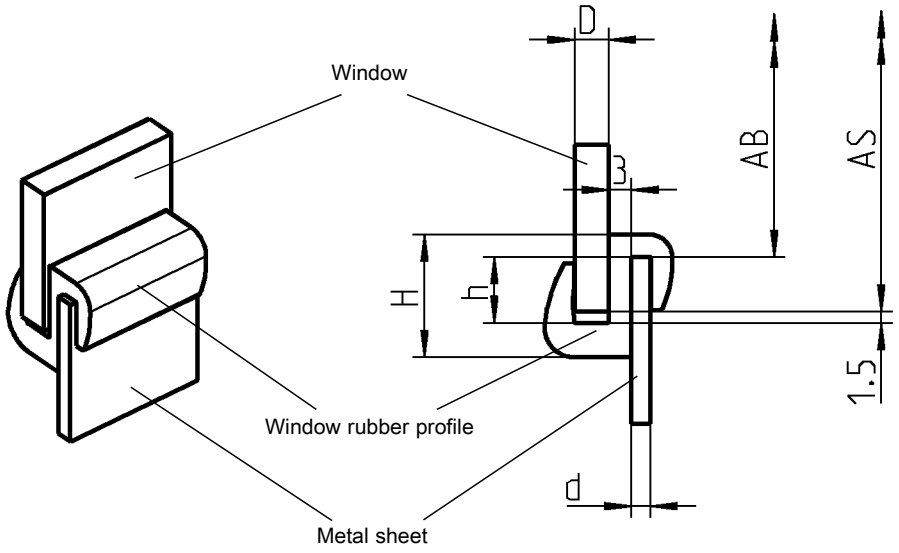
EMKA®

Beschlagteile

Window rubber profile 1074

PROGRAM 1074

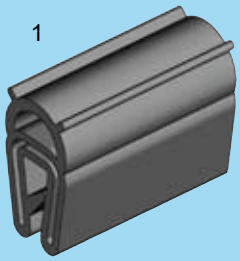


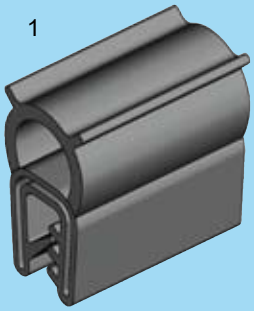


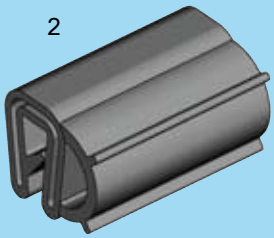
AB + 14,5 mm = AS
AS = dimension of the window
AB = dimension of the cut out

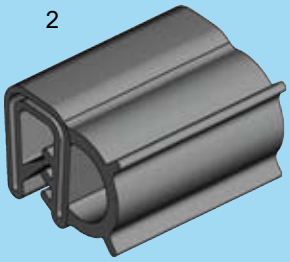
Window rubber profile						
	D	d	H	h	Bending radius	Window rubber profile
EPDM black 60° Shore A	4	2	16,2	8,7	≥ 40	1074-01
NBR 80° Shore A	4	2	16,2	8,7	≥ 40	1074-03
EPDM black 60° Shore A	6	2	16,2	8,7	≥ 40	1074-02
NBR 80° Shore A	6	2	16,2	8,7	≥ 40	1074-04

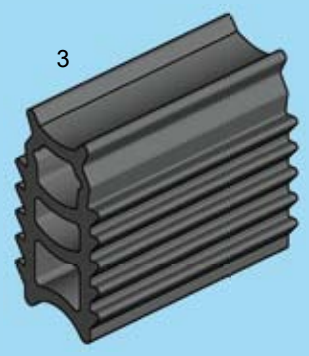
Gasketing
According to VDI 6022











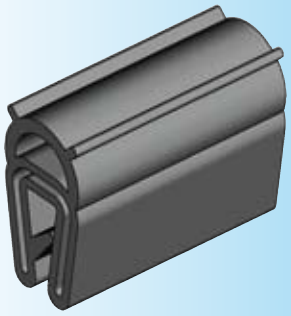
1	Self - gripping gasketing	5B-120
2	Self - gripping gasketing	5B-120, 5B-140
3	Gasketing secured in a U-section	5B-140

EMKA®

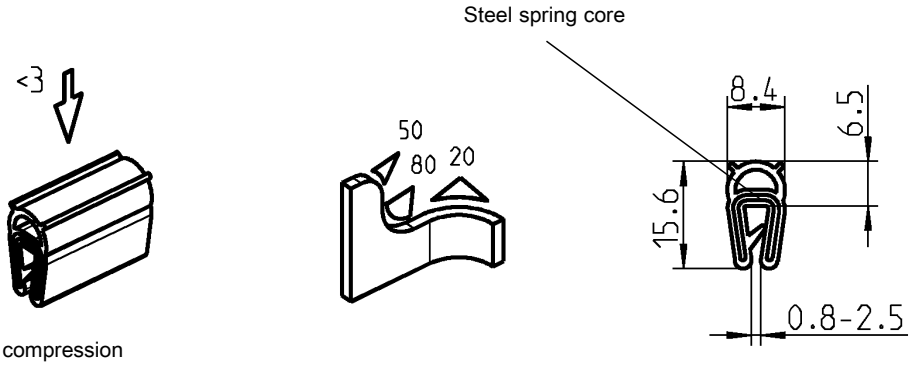
Beschlagteile

Self-gripping gasketing

PROGRAM 1011

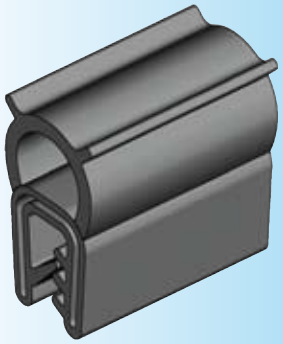


According to VDI 6022

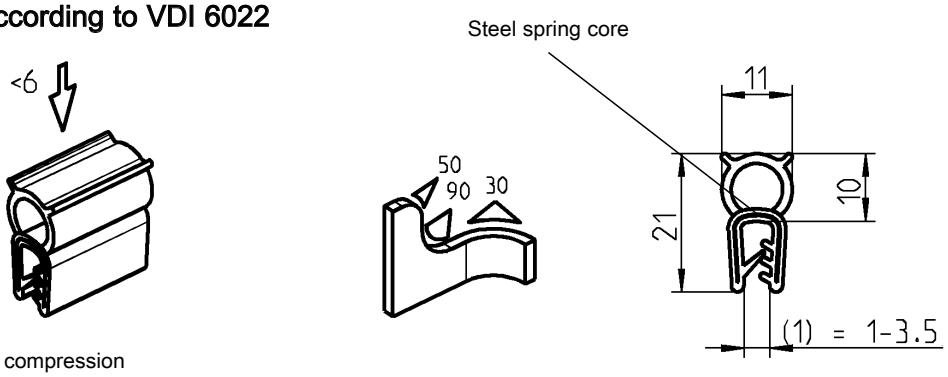


Hollow section (EPDM) black 45° ± 5 Shore A
Clamping profile (EPDM) black 60° ± 5 Shore A

1011-10-09

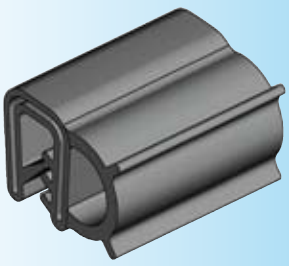


According to VDI 6022

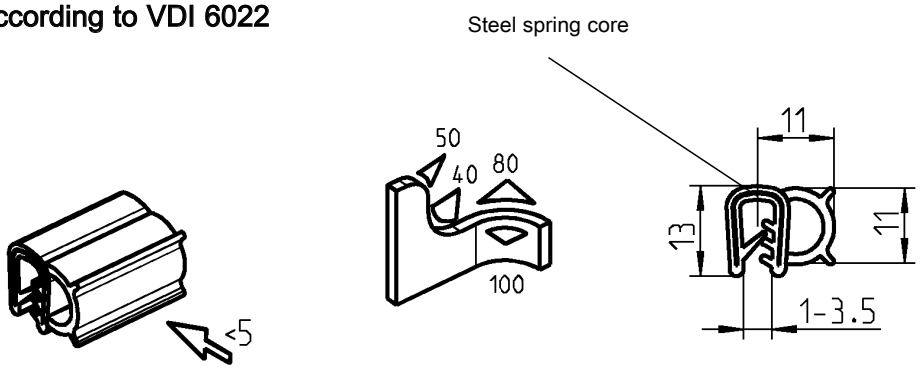


Hollow section (EPDM) black 45° ± 5 Shore A
Clamping profile (EPDM) black 60° ± 5 Shore A

1011-05-09



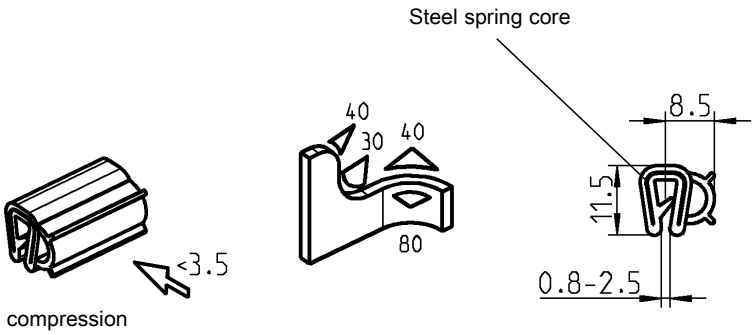
According to VDI 6022

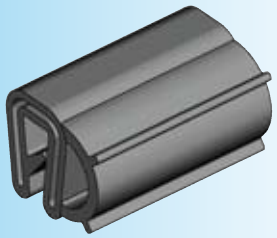


Hollow section (EPDM) black 45° ± 5 Shore A
Clamping profile (EPDM) black 60° ± 5 Shore A

1011-06-09

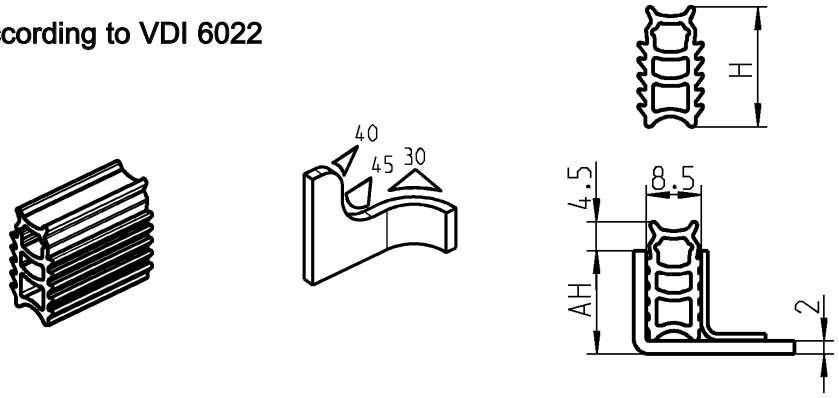
According to VDI 6022

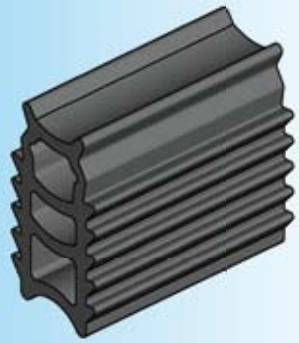




Hollow section (EPDM) black 45° ± 5 Shore A Clamping profile (EPDM) black 60° ± 5 Shore A	
	1011-09-09

According to VDI 6022





4 lip gasket (EPDM) black 45° ± 5 Shore A		
AH	Height H	
16	18,5	1003-11-N9
18	20,5	1003-12-N9

Information on VDI Guideline 6022:
Hygienic standards for ventilation and air-conditioning systems

In guideline 6022 issued by “Verein Deutscher Ingenieure” (VDI) – Association of German Engineers – you can find a description of the minimum hygienic standards for ventilation and air conditioning systems. The guideline formulates requirements that have to be observed for planning, installation, operation and maintenance of ventilation and airconditioning systems in order to guarantee absolute faultless hygienic condition of the systems as well as the outside air inlets for the air-conditioned premises.

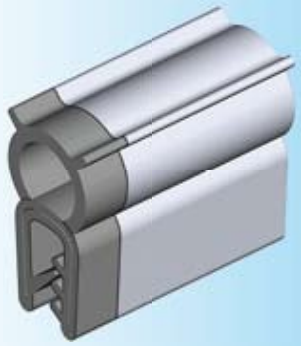
VDI guideline 6022 is valid for the domain of builders, architects, engineers, ventilation planners, manufacturers of air-conditioning systems, machine builders, authorising bodies, operators, service companies, stakeholders of room users (e.g. staff associations or committees as well as company physicians and public health officers).

In line with the latest technical development and scientific knowledge, this guideline is intended to guarantee a precise operation and condition of ventilation and air-conditioning systems by means of preventive technical provisions.

EMKA®
Beschlagteile

EMC gasketing material

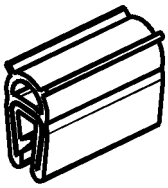
PROGRAM EMC



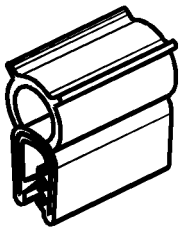
Attention:

Please provide a contact area for all EMC gasketings. For painted or powder coated cabinets see conductive tape.

EMC gasketing material



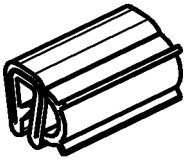
Dimensions
see catalogue page
5A-220
article 1011-10



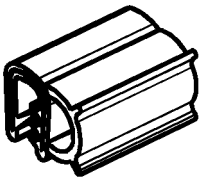
Dimensions
see catalogue page
5A-220
article 1011-05

Soft-sponge rubber / EPDM with conductive overall coating and steel spring core	
1011-10-E	1011-05-E

EMC gasketing material



Dimensions
see catalogue page
5A-240
article 1011-09



Dimensions
see catalogue page
5A-260
article 1011-06

Soft-sponge rubber / EPDM with conductive overall coating and steel spring core	
1011-09-E	1011-06-E

EMC conductive tape

– for painting and contact
– highly-conductive adhesive for creating paint-free contact areas
– length 25 metres

Note:

– The area to be adhered to has to be free of grease and dust.

– Remove the protective foil from the conductive tape and adhere it to the contact area. For better adhesion the conductive tape is wider than the mask.

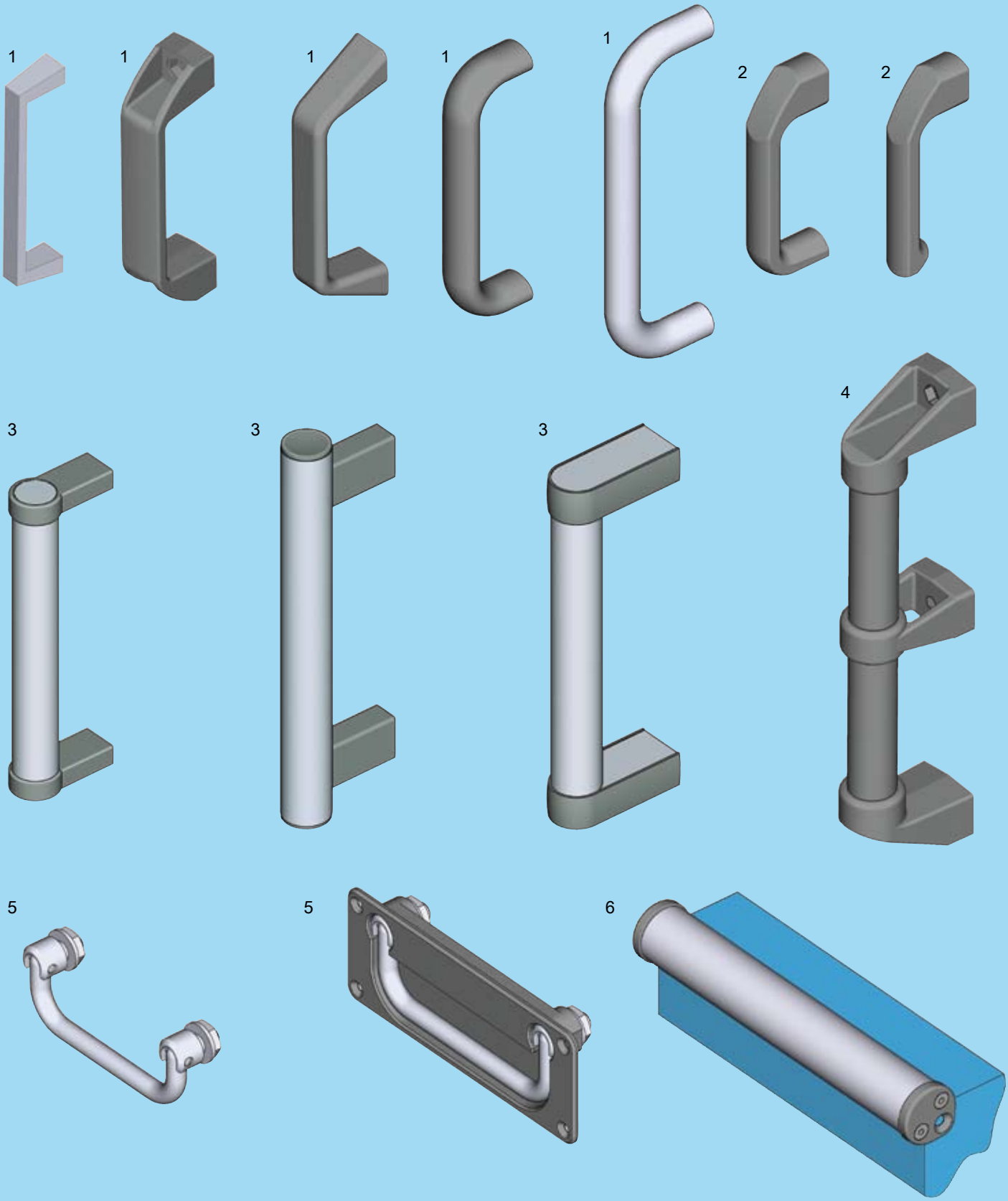
– Afterwards painting or coating is possible, the mask prevents the coating adhering to the conductive tape.
Please note the following instructions for heat treatment of the conductive tape: max. 120°C permanent heat; short term up to 230°C possible; each time individual testing is necessary.

– After painting or powder coating the mask can be removed easily, the conductive tape is left securely in place.



EMC conductive tape		
width of tape (mm)	in combination with EMC gasketing	
12,7	– –	1016-220-127E
22	1011-09-E; 1011-10-E	1016-220-220E
25,4	1011-05-E; 1011-06-E	1016-220-254E
Further dimensions on request		

Handle
Program 1095



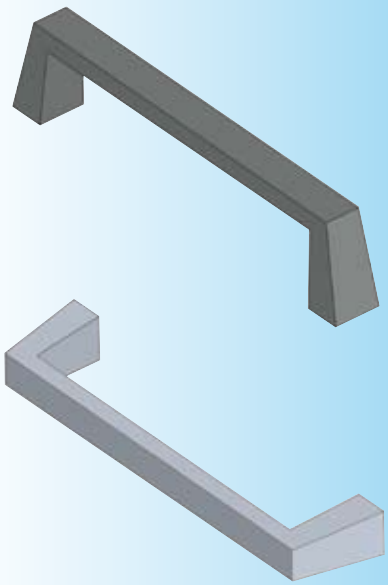
1	Bow-type handles in different sizes	6A-120 up to 6A-180
2	Handle	6A-440
3	Tube handle with variable length	6A-320 up to 6A-360
4	Handle with variable or fixed length	6A-220, 6A-240
5	Chest handle with variable length	6A-420
6	Edge handle with variable length	6A-420

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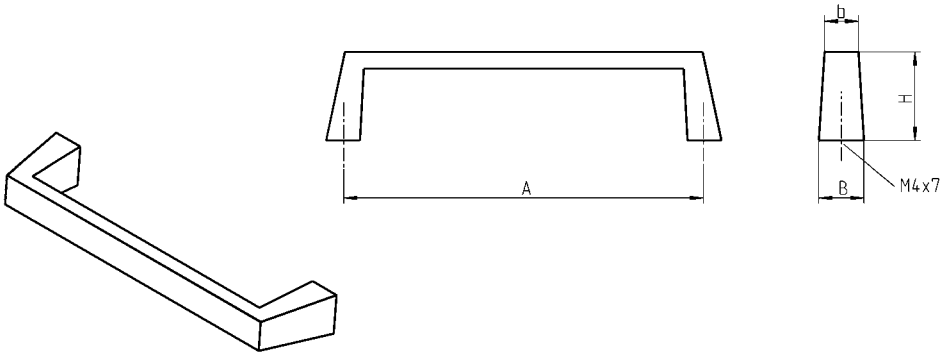
Beschlagteile

Handle

PROGRAM 1045, 1095

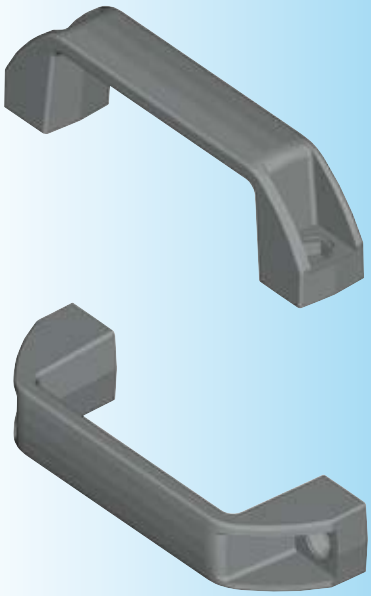


Bow-type handle

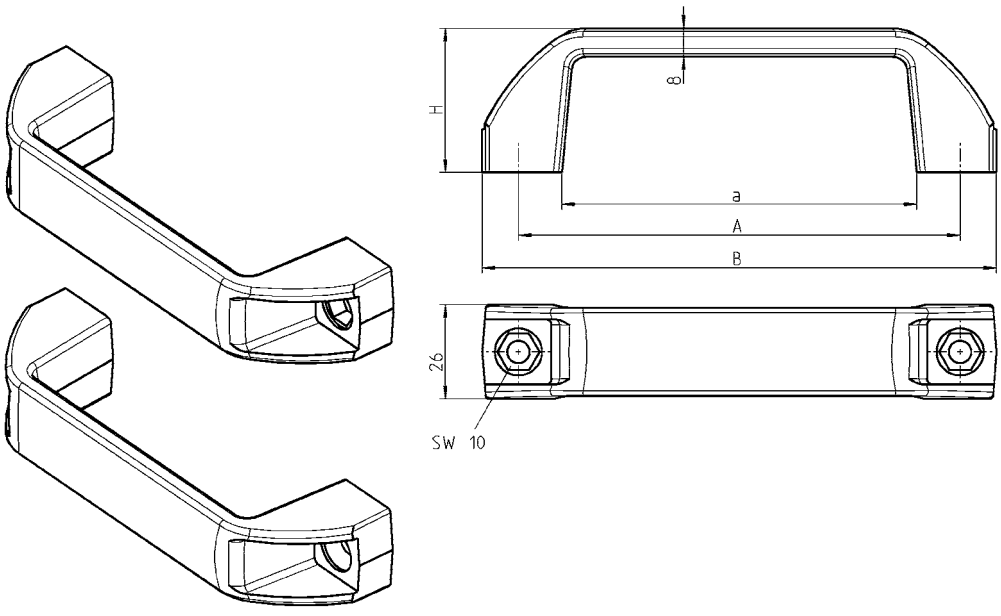


Bow-type handle zinc die					
B	b	A	H	chrome plated	black p.c.
11	8	81	22	1045-03	1045-07 *
11	8	89	22	1045-02	1045-06 *
12	9	95,5	24	1045-01	1045-05
12	8,5	115	23	1045-04	1045-08 *

* = on request



Polyamide handle



Version 1: a = 98; A = 122; B = 142; H = 40
Version 2: a = 118,5; A = 152; B = 167; H = 53,5

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

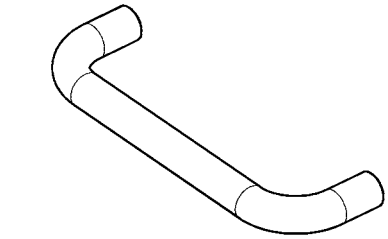
Fastening material is not included in delivery.

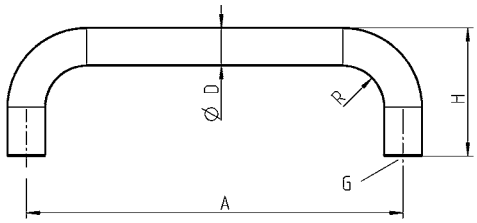
Handle polyamide GF black		
	Version 1	Version 2
Handle for hexagon or socket head screw M6 acc. to DIN 4017/1207	1095-05	1095-19
Handle for countersunk screw M5 or rivet 4.8 mm dia	1095-06	–

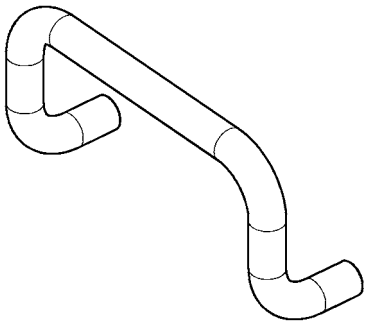
Bow-type handles

PROGRAM 1095

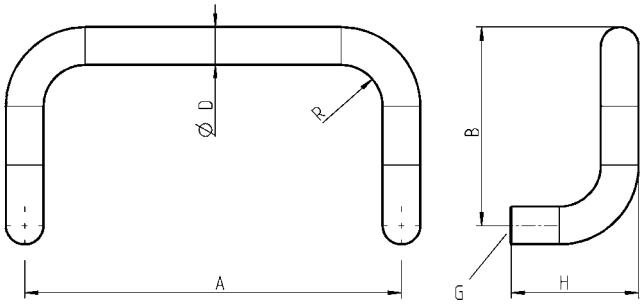
Version 1



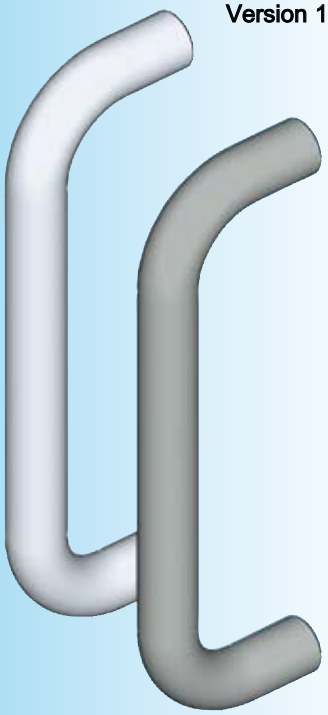




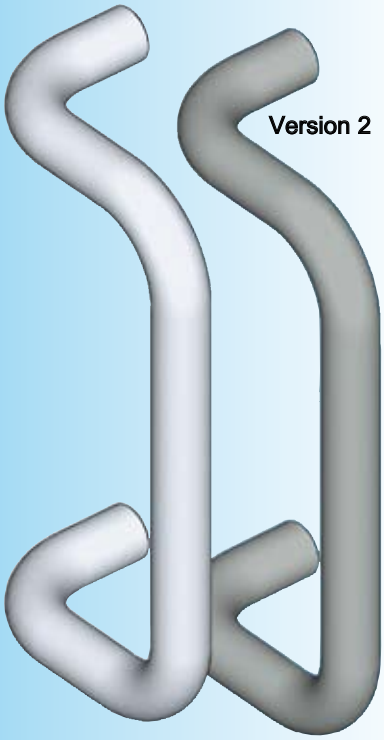
Version 2



Version 1



Version 2



Bow-type handle, aluminium raw or black plastic coated, threaded bush aluminium with Ø D = 28

Version 1

A	B	D	G	H	R	raw	black
200	–	20	M8x15	68	22	1095-24-200KB	1095-24-200AA
250	–	20	M8x15	68	22	1095-24-250KB	1095-24-250AA
250	–	28	M10x15	78	32	1095-U24-250KB	1095-U24-250AA
300	–	20	M8x15	68	22	1095-24-300KB	1095-24-300AA
300	–	28	M10x15	78	32	1095-U24-300KB	1095-U24-300AA
350	–	20	M8x15	68	22	1095-24-350KB	1095-24-350AA
350	–	28	M10x15	78	32	1095-U24-350KB	1095-U24-350AA
400	–	28	M10x15	78	32	1095-U24-400KB	1095-U24-400AA

Version 2

A	B	D	G	H	R	raw	black
200	105	20	M8x15	68	22	1095-25-200KB	1095-25-200AA
250	120	28	M10x15	78	32	1095-U25-250KB	1095-U25-250AA
300	105	20	M8x15	68	22	1095-25-300KB	1095-25-300AA
350	120	28	M10x15	78	32	1095-U25-350KB	1095-U25-350AA
500	120	28	M10x15	78	32	1095-U25-500KB	1095-U25-500AA

Bow-typed handles with Ø D = 28 are made of an aluminium tube with the wall thickness of 4 mm.

Fastening material is not included in delivery.

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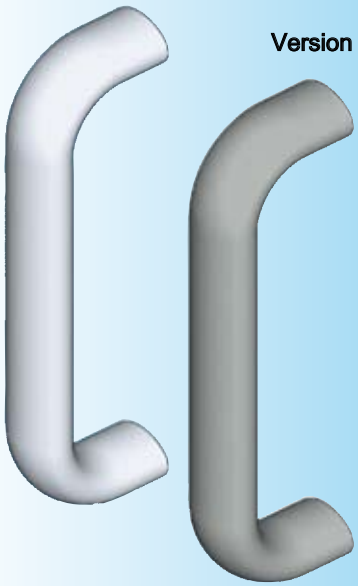
Beschlagteile

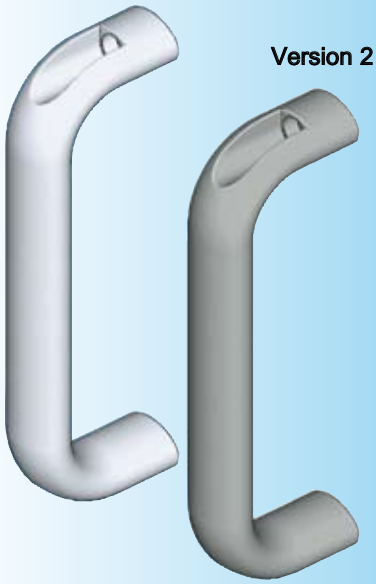
Bow-type handles

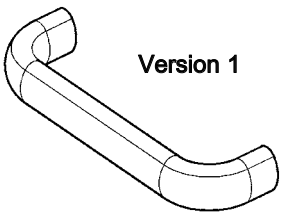
PROGRAM 1095

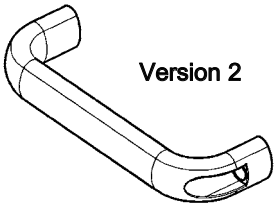
INOX AISI 3..

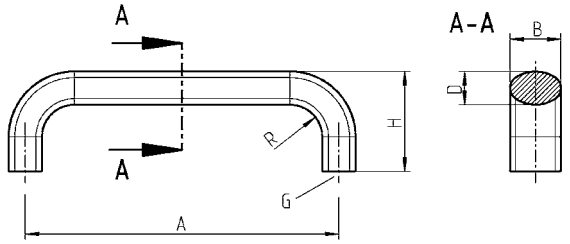
EDELSTAHL Rostfrei STAINLESS STEEL

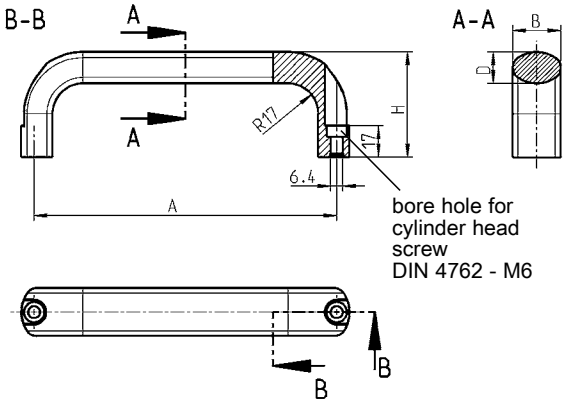












Bow-type handle, aluminium optionally raw, anodized black plastic coated or stainless steel AISI

Version 1

A	B	D	G	H	R	raw	anodized	black
100	20	13	M6x10	47	13	1095-26-100KB	1095-26-100NA	1095-26-100AA
112	20	13	M6x10	49	13	1095-26-112KB	1095-26-112NA	1095-26-112AA
112	26	17	M8x12	53	17	1095-27-112KB	1095-27-112NA	1095-27-112AA
128	20	13	M6x10	51	13	1095-26-128KB	1095-26-128NA	1095-26-128AA
128	26	17	M8x12	55	17	1095-27-128KB	1095-27-128NA	1095-27-128AA
160	20	13	M6x10	51	13	1095-26-160KB	1095-26-160NA	1095-26-160AA
160	26	17	M8x12	57	17	1095-27-160KB	1095-27-160NA	1095-27-160AA
192	26	17	M8x12	57	17	1095-26-192KB	1095-26-192NA	1095-26-192AA
300	26	17	M8x12	57	17	1095-26-300KB	1095-26-300NA	1095-26-300AA
400	26	17	M8x12	57	17	1095-26-400KB	1095-26-400NA	1095-26-400AA
500	26	17	M8x12	57	17	1095-26-500KB	1095-26-500NA	1095-26-500AA

Version 1

A	B	D	G	H	R			AISI 304
112	20	13	M6x10	49	13			1095-26-112PC
128	20	13	M6x10	51	13			1095-26-128PC

Bow-type handle, aluminium optionally raw, anodized, black plastic coated or stainless steel AISI

Version 2

A	B	D		H		raw	anodized	black
116	26	17		53		1095-28-116KB	1095-28-116NA	1095-28-116AA
132	26	17		55		1095-28-132KB	1095-28-132NA	1095-28-132AA
164	26	17		57		1095-28-164KB	1095-28-164NA	1095-28-164AA
196	26	17		57		1095-28-196KB	1095-28-196NA	1095-28-196AA

Version 2

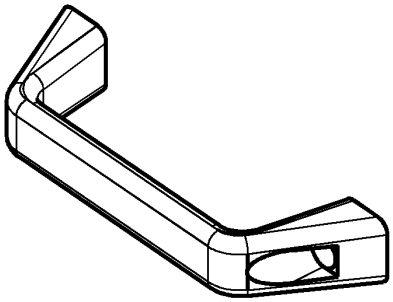
A	B	D		H				AISI 316
116	26	17		53				1095-28-116PH

Fastening material is not included in delivery.

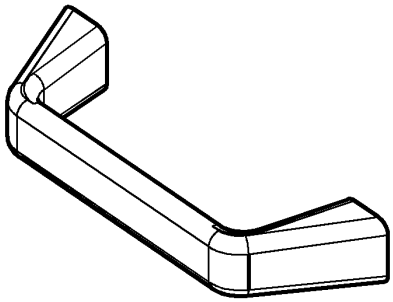
Bow-type handles

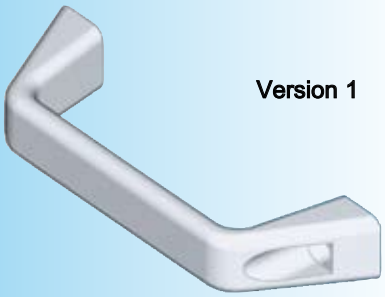
PROGRAM 1095

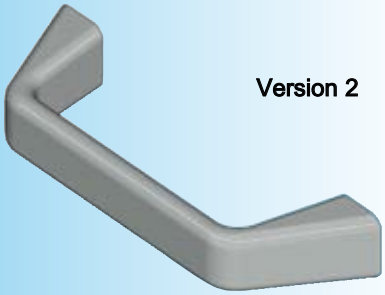
Version 1

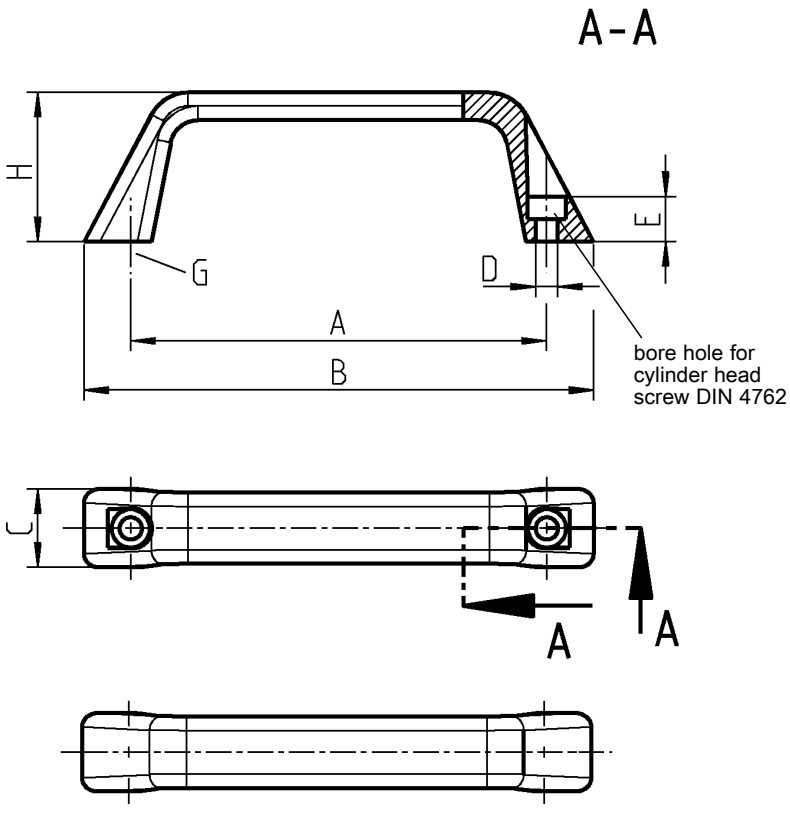


Version 2









Bow-type handle, aluminium raw black, plastic coated							
Version 1							
A	B	C	D	E	H	raw	black
120	147	22.5	6.4	13	43	1095-29-120KB	1095-29-120AA
180	215	27	8.4	16	48	1095-29-180KB	1095-29-180AA
Version 2							
A	B	C	G	H		raw	black
120	147	22.5	M6x10	43		1095-30-120KB	1095-30-120AA
180	215	27	M8x12	48		1095-30-180KB	1095-30-180AA

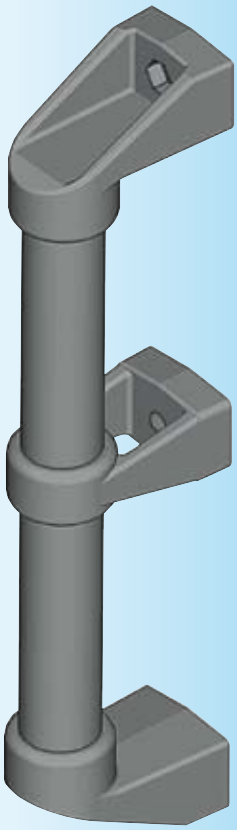
Fastening material is not included in delivery.

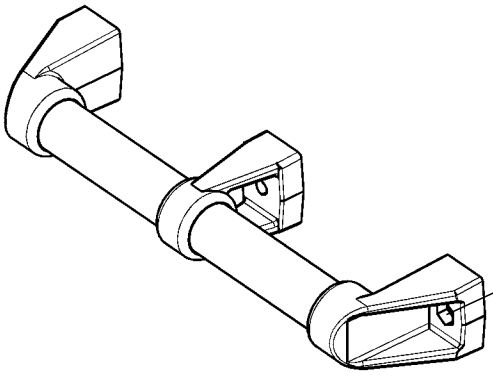
EMKA®

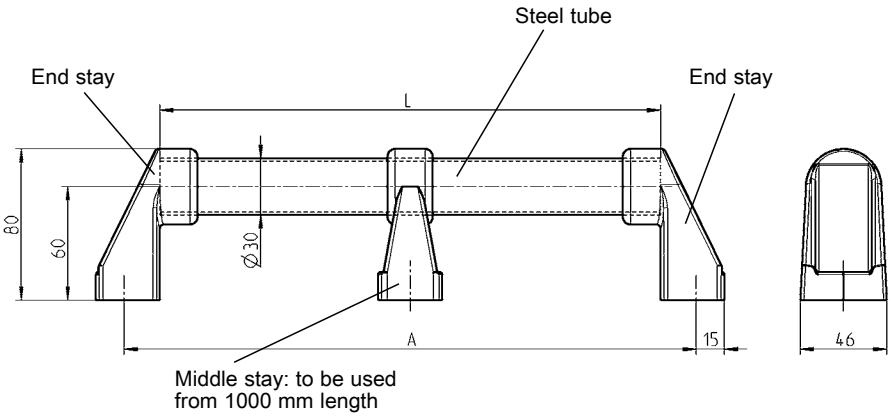
Beschlagteile

Handle with variable length

PROGRAM 1095







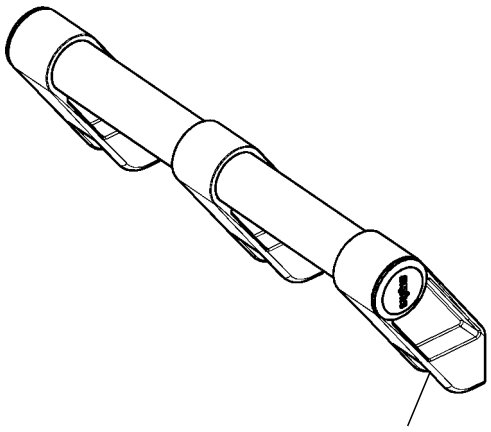
End stay polyamide GF black					
					1095-07
Middle stay polyamide GF black					
					1095-20
Steel tube Ø 30 black coated					
L	**A**		**L**	**A**	
266	300	1095-08	366	400	1095-09
466	500	1095-10	566	600	1095-11
666	700	1095-13	766	800	1095-14
2500	2534	1095-21			
up to 5000 mm*			1095-12-L mm		
* Minimum quantity and delivery time on request!					

Handle with variable length

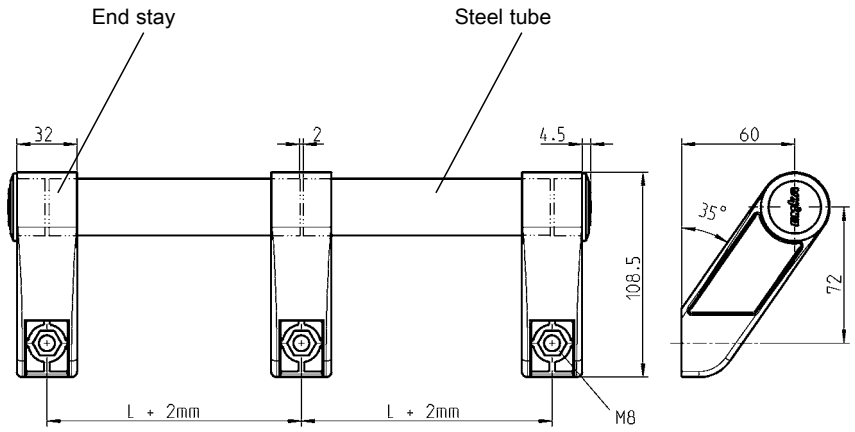
Fastening material is not included in delivery.

Handle with variable length

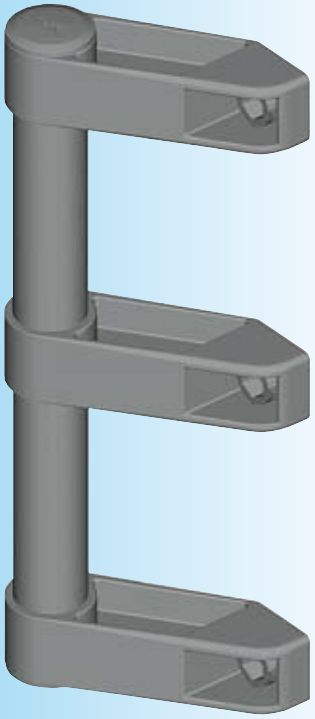
PROGRAM 1095



for hexagon or pan head screw M8
according to DIN 4017/1207



Handle stay is usable as LH/RH and as a middle stay.
When used as a middle stay the tube has to be split.



Handle stay polyamide black for hexagon or pan head screw M8 with 1 plug polypropylene black			
			1095-U01
Steel tube Ø 30 black coated			
L = 266	1095-08	L = 366	1095-09
L = 466	1095-10	L = 566	1095-11
L = 666	1095-13	L = 766	1095-14
up to 5000 mm*		1095-12-L mm	
* Minimum quantity and delivery time on request!			

Handle with variable length
(35°-Slope)

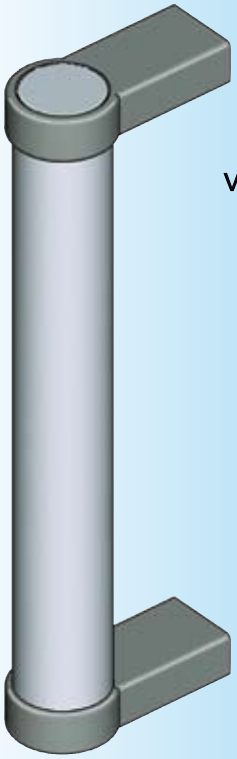
Fastening material is not
included
in delivery.

EMKA®

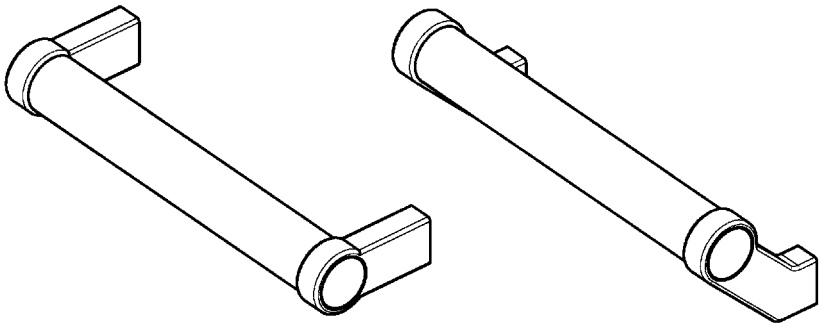
Beschlagteile

Tube handle

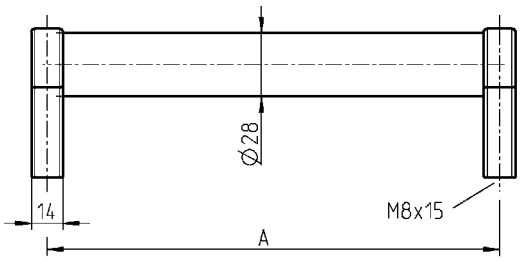
PROGRAM 1095



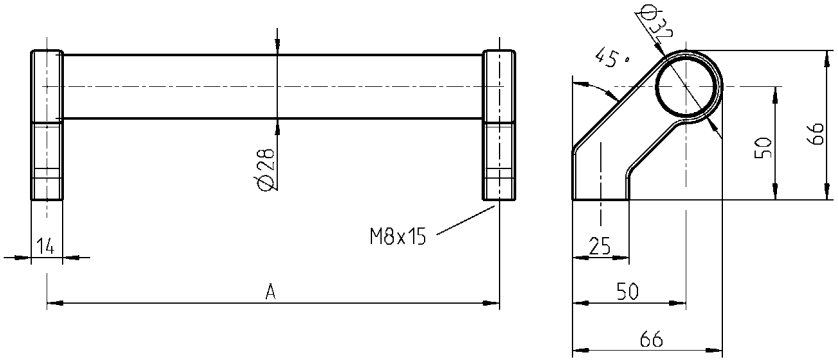
Version 1

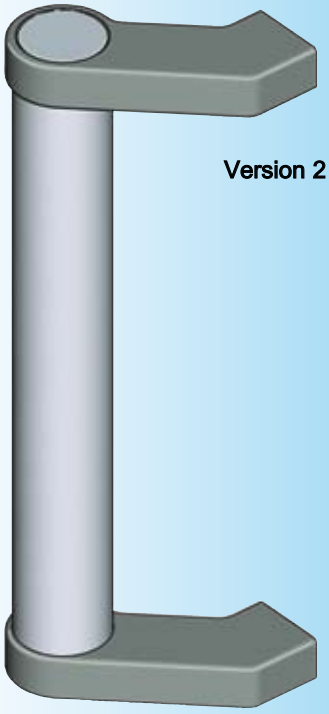


Version 1



Version 2





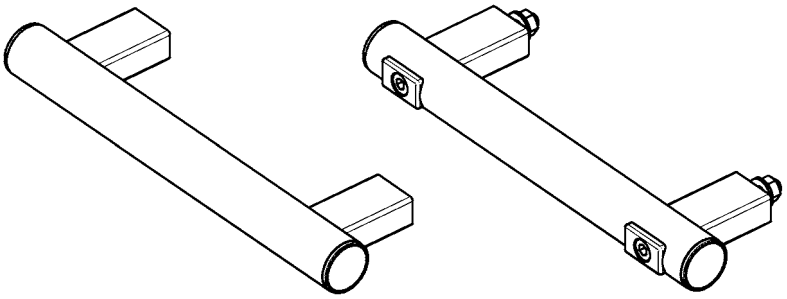
Version 2

Fastening material is not included in delivery.

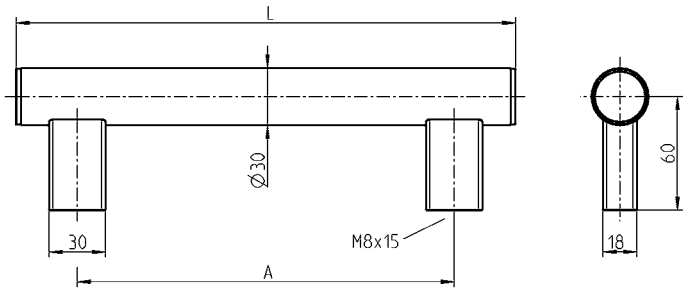
Tube handle, aluminium anodized or black plastic coated, posts zinc alloy black plastic coated, plastic cap light grey, screw m.s. zinc plated		
Version 1		
A	**anodized**	**black**
200	1095-U26-200NA	1095-U26-200AA
250	1095-U26-250NA	1095-U26-250AA
300	1095-U26-300NA	1095-U26-300AA
400	1095-U26-400NA	1095-U26-400AA
500	1095-U26-500NA	1095-U26-500AA
600	1095-U26-600NA	1095-U26-600AA
Version 2		
A	**anodized**	**black**
200	1095-U27-200NA	1095-U27-200AA
250	1095-U27-250NA	1095-U27-250AA
300	1095-U27-300NA	1095-U27-300AA
400	1095-U27-400NA	1095-U27-400AA
500	1095-U27-500NA	1095-U27-500AA
600	1095-U27-600NA	1095-U27-600AA

Tube handle

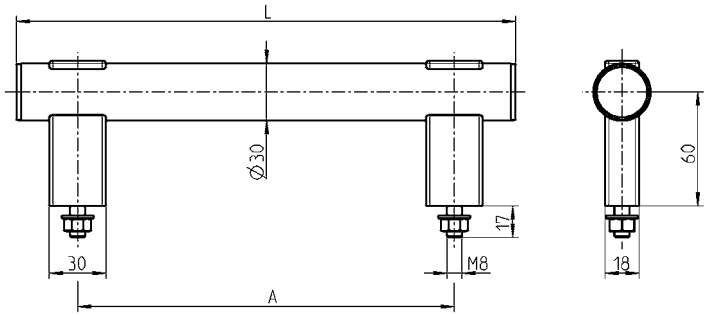
PROGRAM 1095



*** Version 1**



Version 2



Tube handle, aluminium anodized or black plastic coated with black polyamide GF posts, plastic cap black, fastening screw and nut m.s. zinc plated

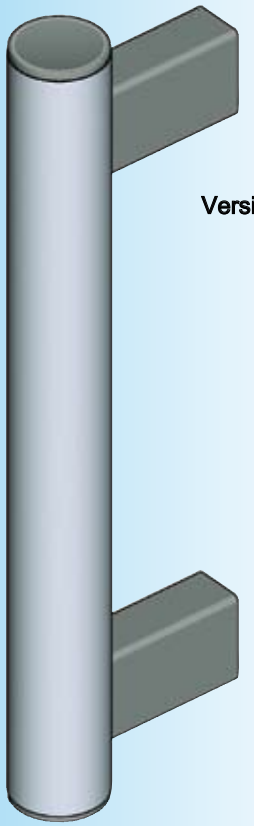
Version 1

A	L	anodized	black
200	265	1095-U28-200NA	1095-U28-200AA
250	315	1095-U28-250NA	1095-U28-250AA
300	365	1095-U28-300NA	1095-U28-300AA
400	465	1095-U28-400NA	1095-U28-400AA
500	565	1095-U28-500NA	1095-U28-500AA
600	665	1095-U28-600NA	1095-U28-600AA

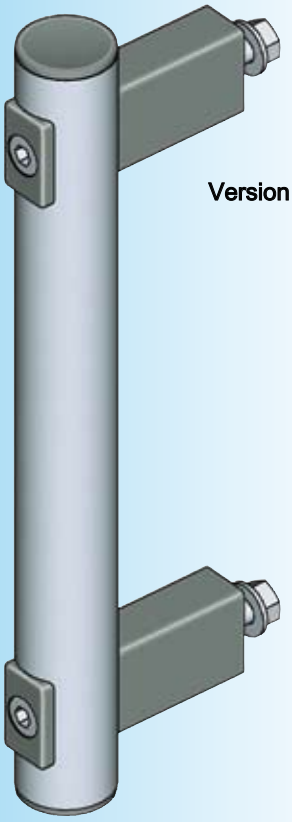
Version 2

A	L	anodized	black
200	265	1095-U29-200NA	1095-U29-200AA
250	315	1095-U29-250NA	1095-U29-250AA
300	365	1095-U29-300NA	1095-U29-300AA
400	465	1095-U29-400NA	1095-U29-400AA
500	565	1095-U29-500NA	1095-U29-500AA
600	665	1095-U29-600NA	1095-U29-600AA

Version 1



Version 2



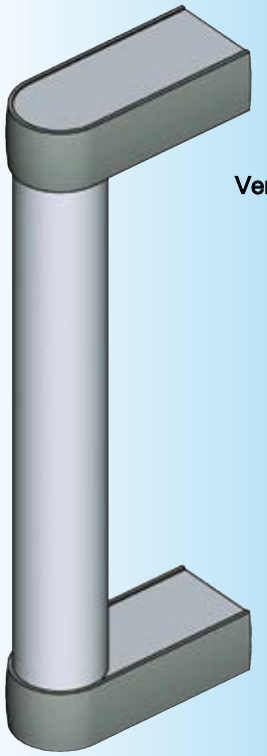
***** Fastening material is not included in delivery.

EMKA®

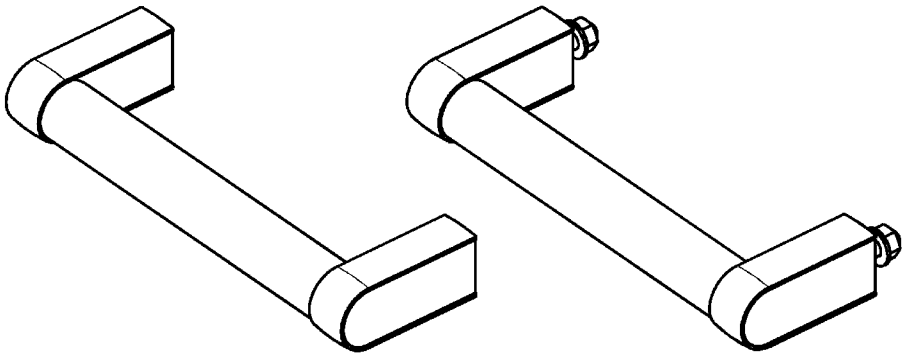
Beschlagteile

Tube handle

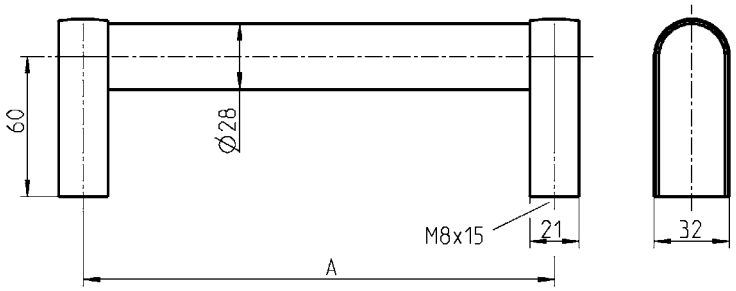
PROGRAM 1095



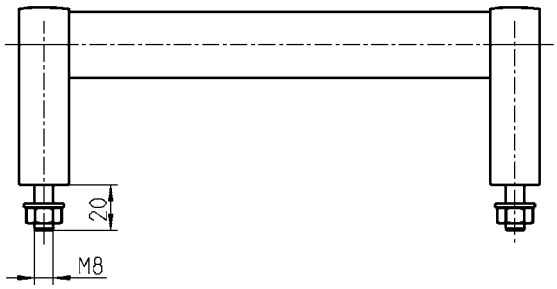
Version 1

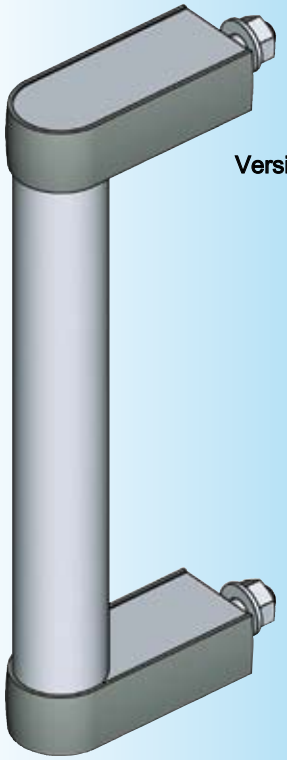


* Version 1



Version 2





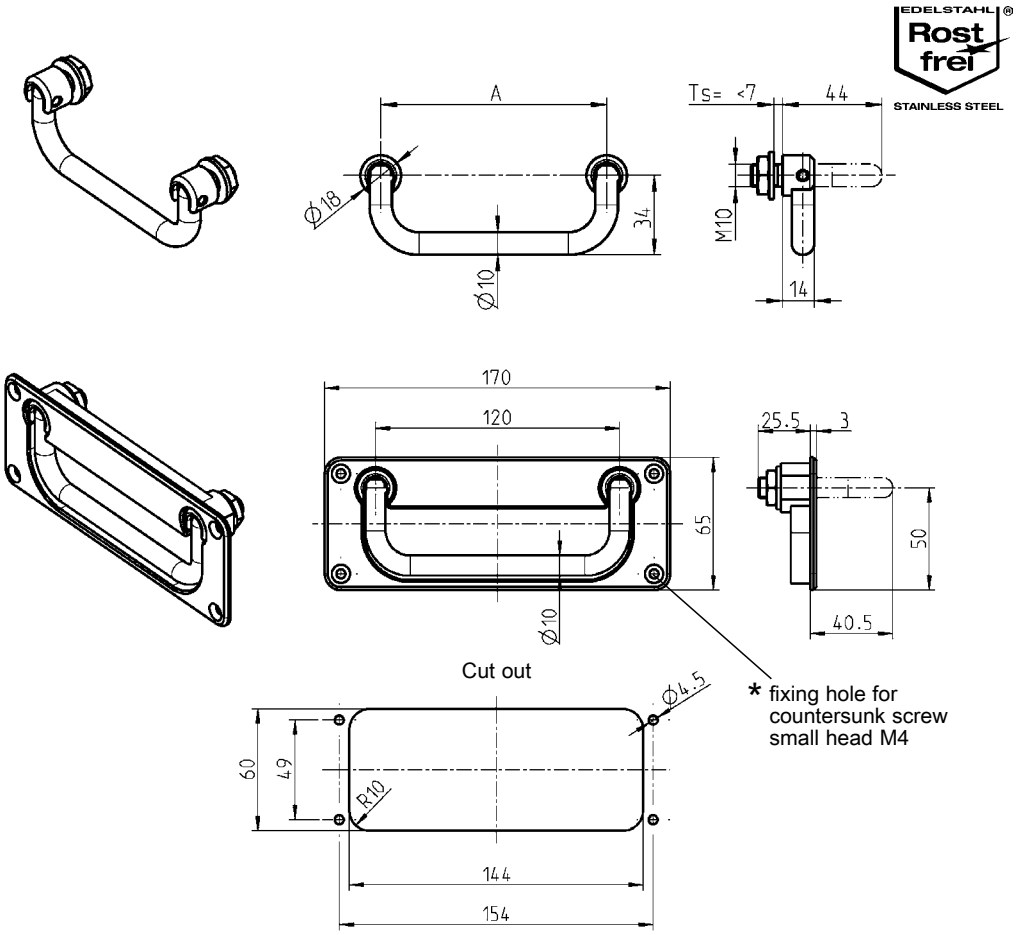
Version 2

* Fastening material is not included in delivery.

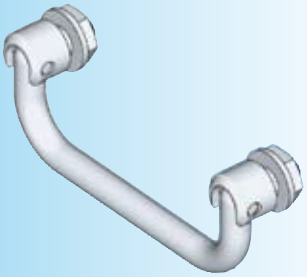
Tube handle and posts: aluminium anodized or black plastic coated, cover polyamide black, screw and nut m.s. zinc plated		
Version 1		
A	**anodized**	**black**
200	1095-U30-200NA	1095-U30-200AA
250	1095-U30-250NA	1095-U30-250AA
300	1095-U30-300NA	1095-U30-300AA
400	1095-U30-400NA	1095-U30-400AA
500	1095-U30-500NA	1095-U30-500AA
600	1095-U30-600NA	1095-U30-600AA
Version 2		
A	**anodized**	**black**
200	1095-U31-200NA	1095-U31-200AA
250	1095-U31-250NA	1095-U31-250AA
300	1095-U31-300NA	1095-U31-300AA
400	1095-U31-400NA	1095-U31-400AA
500	1095-U31-500NA	1095-U31-500AA
600	1095-U31-600NA	1095-U31-600AA

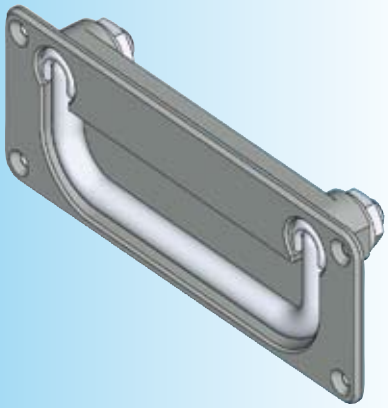
Chest handle
Edge handle

PROGRAM 1095



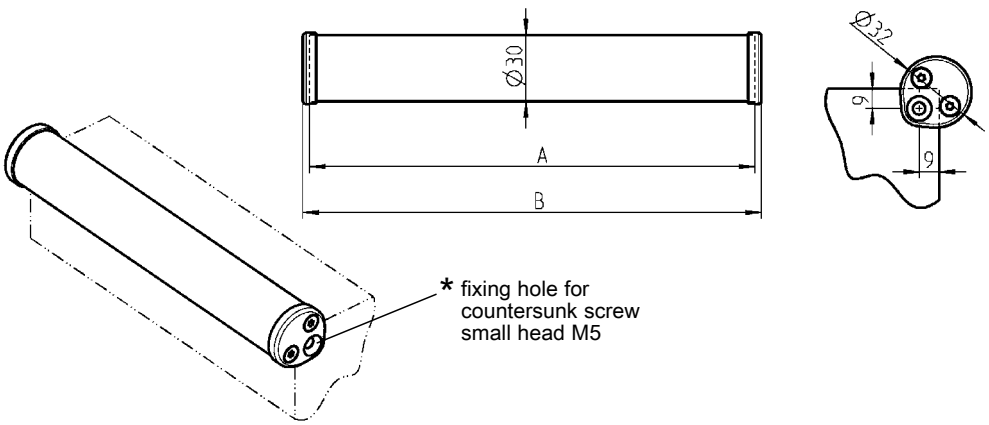
INOX AISI 3..

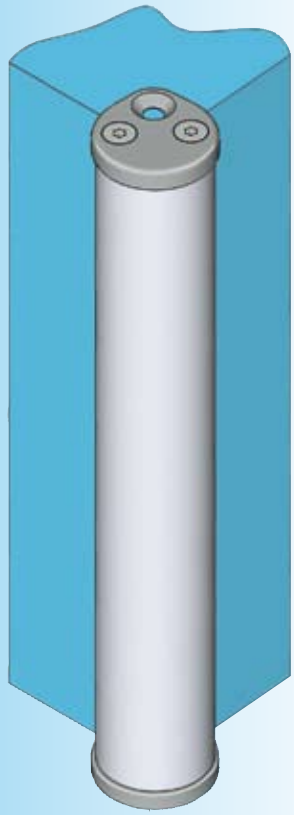




small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Chest handle m.s. chrome plated or stainl. st. AISI 303, fastening mat. AISI 303		
A	**m.s. chrome pl.**	**AISI 303**
100	1095-U32-100IA	1095-U32-100PF
120	1095-U32-120IA	1095-U32-120PF
180	1095-U32-180IA	1095-U32-180PF
Recessed chest handle m.s. chrome plated, tray zinc alloy black		
		1095-U32-AA





Edge handle aluminium profile, end pieces zinc alloy black, screws m.s. black		
A	**B**	
200	206	1095-U33-200AA
300	306	1095-U33-300AA
400	406	1095-U33-400AA
500	506	1095-U33-500AA

* Fastening material is not included in delivery.

EMKA®

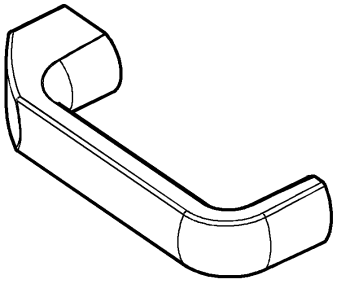
Beschlagteile

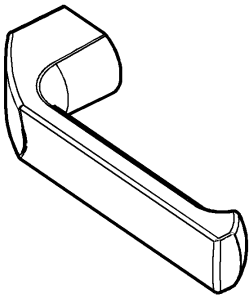
Pull Handle

PROGRAM 1095

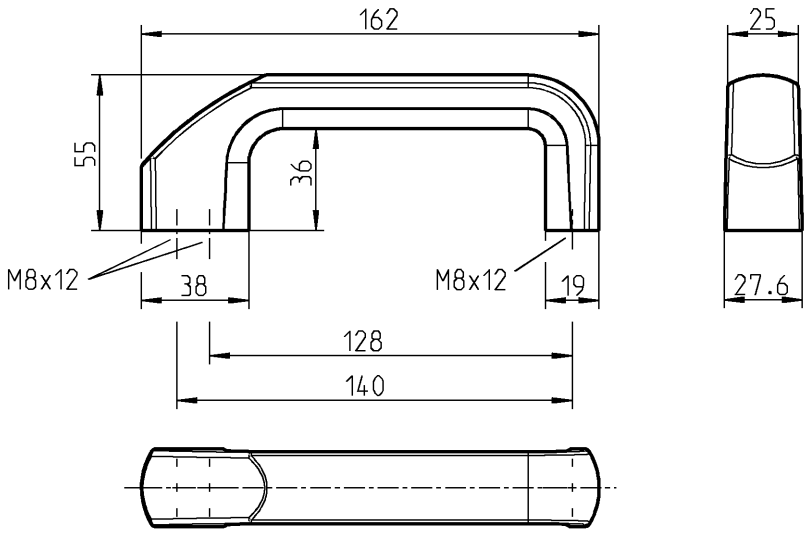


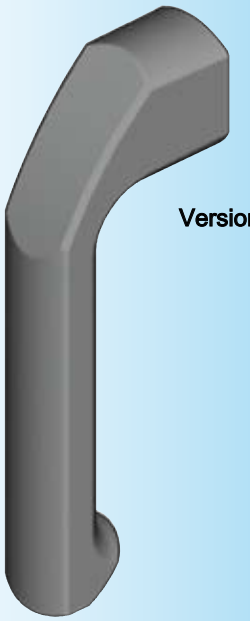
Version 1





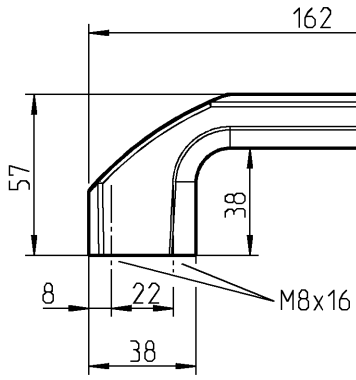
Version 1





Version 2

Version 2

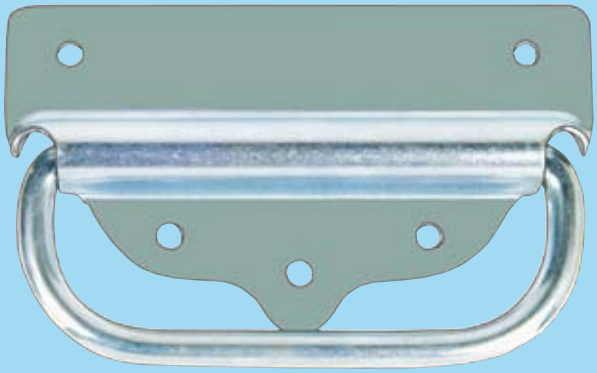


Pull Handle aluminium black plastic coated	
Version 1	
	1095-31-200AA
Version 2	
	1095-32-200AA

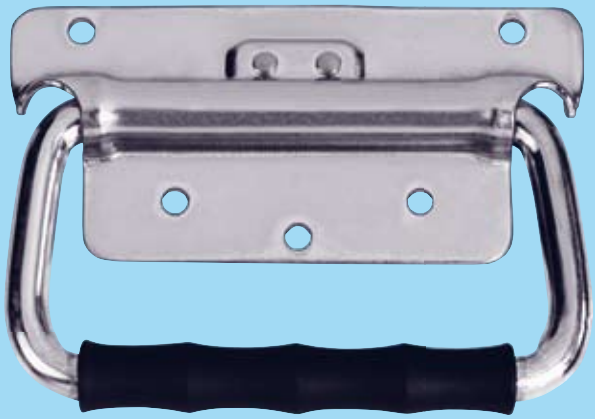
Fastening material is not included in delivery.

Handle
Program 6040

1



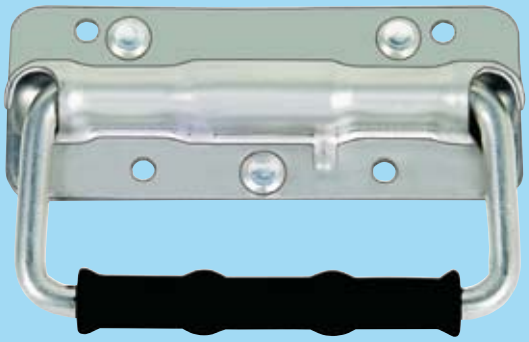
2



3



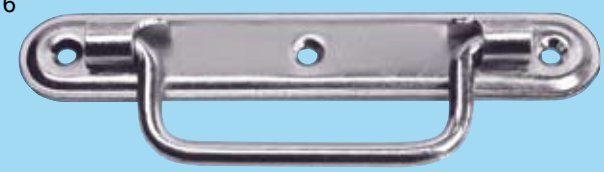
4



5



6



1	Chest handle	6B-120
2	Chest handle	6B-140
3	Recessed chest handle	6B-160
4	Chest handle	6B-180
5	Bow-type handle	6B-220
6	Chest handle	6B-240

New
Surface protection for steel parts:
zinc plated, thick-film passivated (DS)
and top coat sealed.

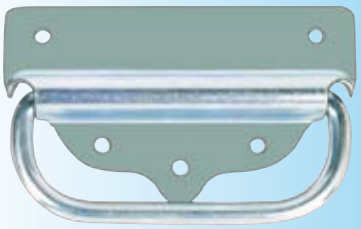
EMKA®

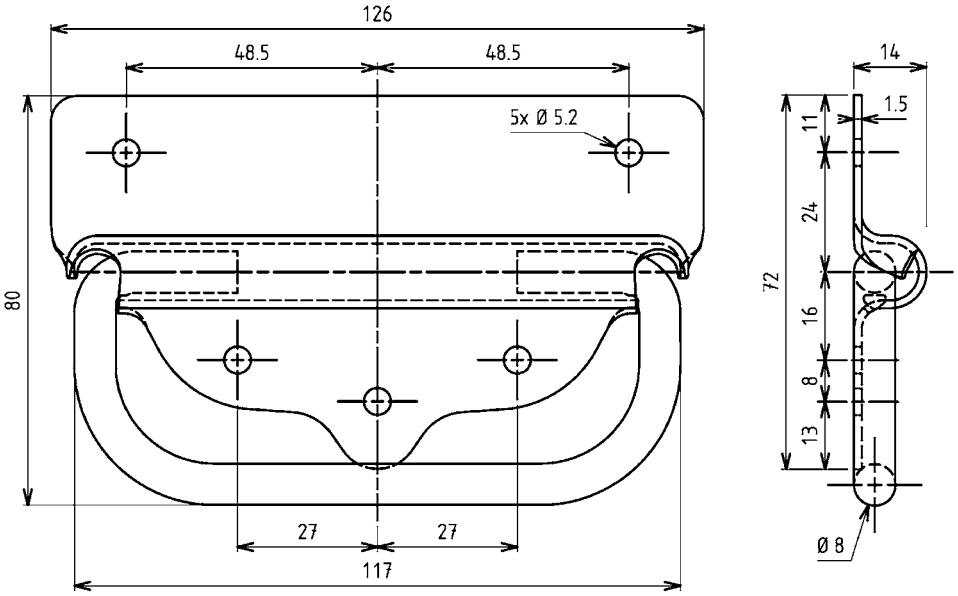
Beschlagteile

Chest handles

PROGRAM 6040

INOX AISI 3..





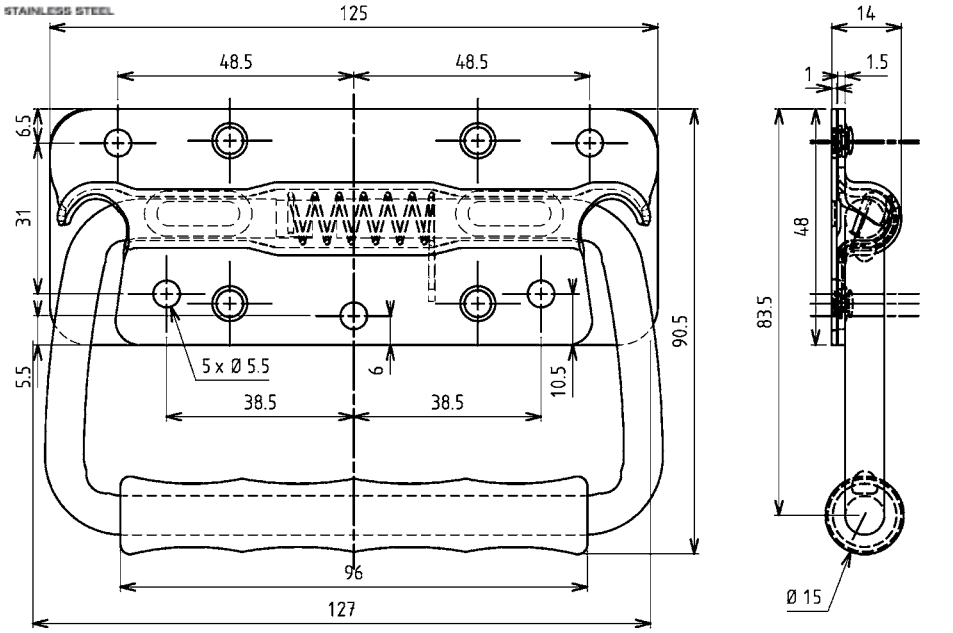
Chest handle	
	without piano wire torsion spring
Raw steel with mounting holes	6040-U12-KA
Raw steel without mounting holes	6040-U12-01KA
Zinc plated steel DS plus Top Coat with mounting holes	6040-U12-JQ

Further parts see page
– Counter plate 6B-320

EDELSTAHL Rostfrei STAINLESS STEEL

pictured with piano wire torsion spring and counter plate



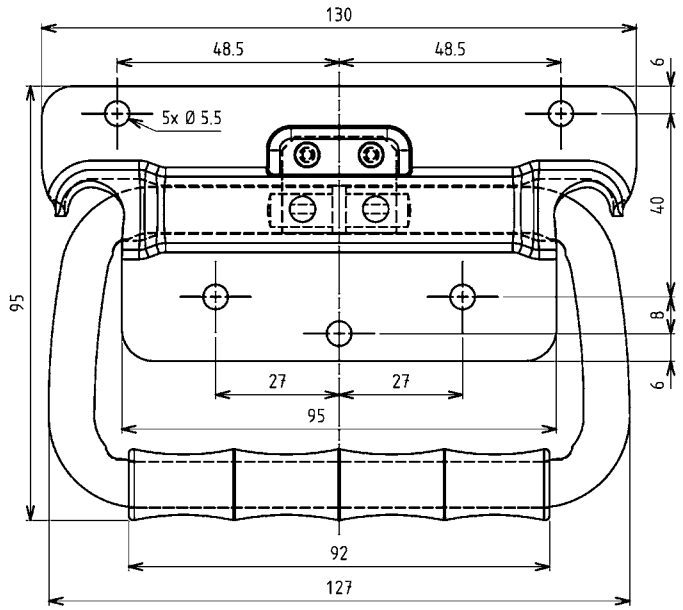


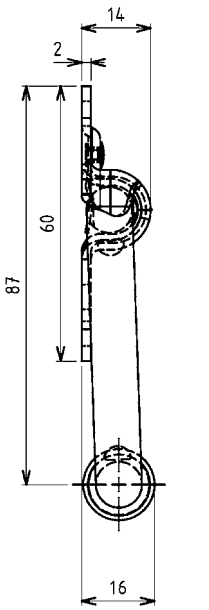
Chest handle		
	without piano wire torsion spring and counter plate	with piano wire torsion spring
Zinc plated steel DS plus Top Coat with mounting holes	6040-U14-JQ	6040-U13-JQ
AISI 304 with mounting holes	6040-U14-PC	6040-U13-PC

Further parts see page
– Back plate 6B-320

Chest handles

PROGRAM 6040





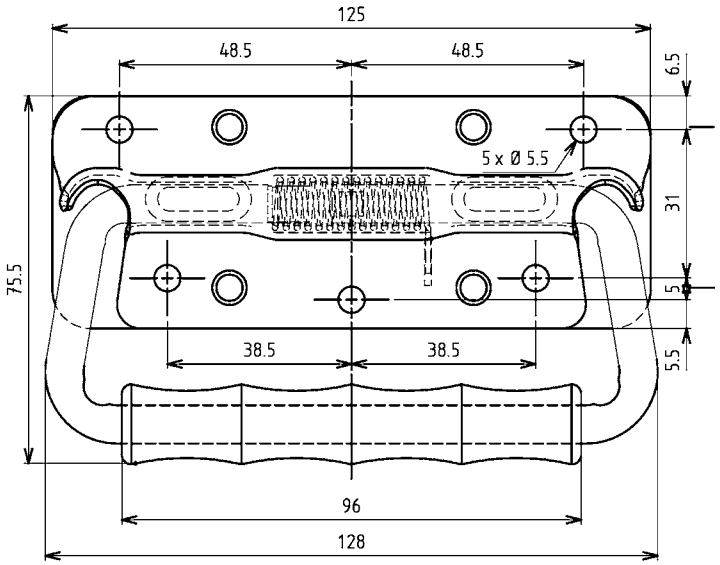
INOX AISI 3..

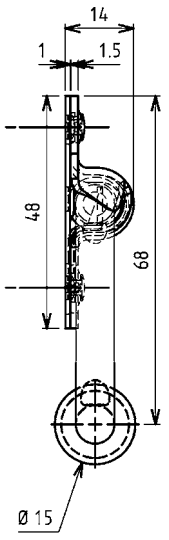


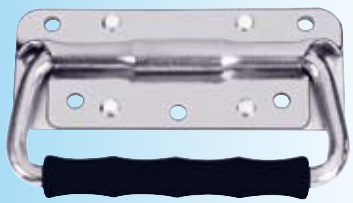
Chest handle		
	without leaf spring	with leaf spring
Zinc plated steel DS plus Top Coat with mounting holes	6040-U24-JQ	6040-U23-JQ
AISI 304 with mounting holes	6040-U24-PC	6040-U23-PC

Further parts see page
– Counter plate 6B-320

pictured with piano wire torsion spring and counter plate







Chest handle		
	without piano wire torsion spring and counter plate	with piano wire torsion spring
Zinc plated steel DS plus Top Coat with mounting holes	6040-U34-JQ	6040-U33-JQ
AISI 304 with mounting holes	6040-U34-PC	6040-U33-PC

Further parts see page
– Back plate 6B-320

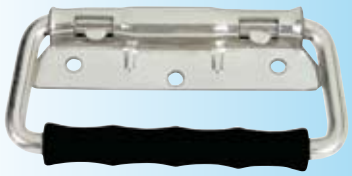
EMKA®

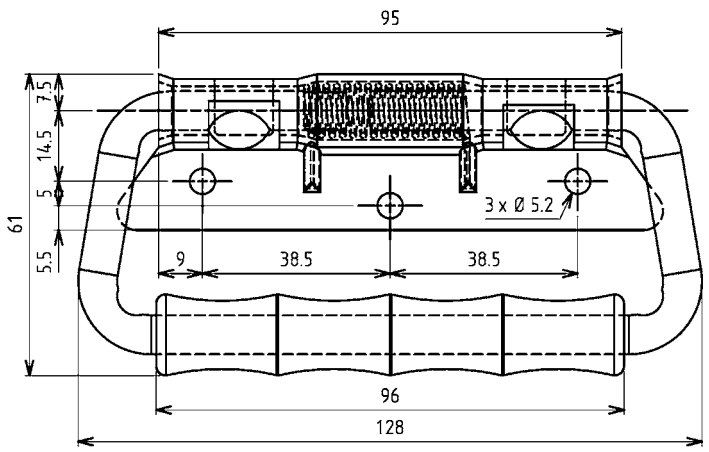
Beschlagteile

Chest handles

PROGRAM 6040

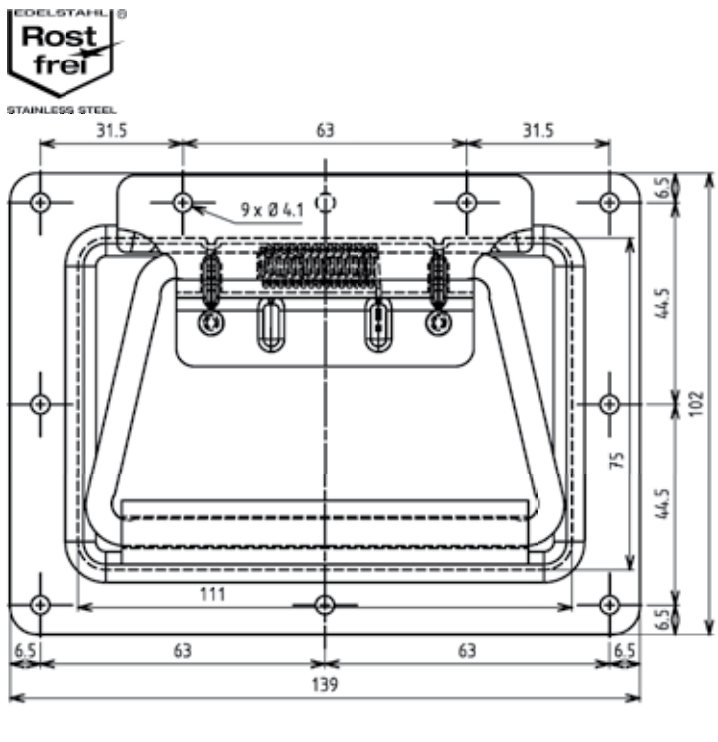
INOX AISI 3..





Chest handle	
	with piano wire torsion spring
Zinc plated steel DS plus Top Coat	6040-U35-JQ
AISI 304 with mounting holes	6040-U35-PC

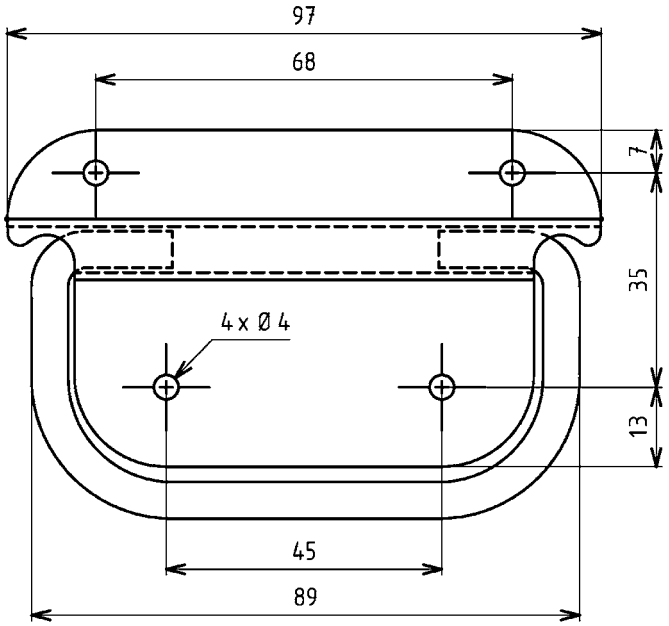




Recessed chest handle	
	with piano wire torsion spring
Zinc plated steel DS plus Top Coat with mounting holes	6040-U41-JQ
AISI 304 with mounting holes	6040-U41-PC

Chest handles

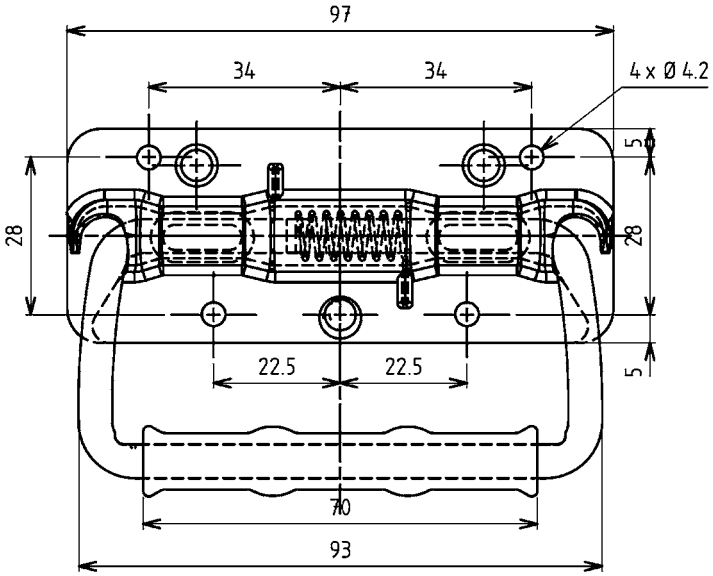
PROGRAM 6040

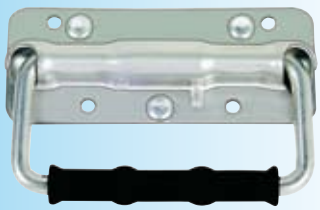


Chest handle	
	without piano wire torsion spring
Zinc plated steel DS plus Top Coat with mounting holes	6040-U46-JQ



pictured with piano wire torsion spring and counter plate





Chest handle		
	without piano wire torsion spring and counter plate	with piano wire torsion spring
Zinc plated steel DS plus Top Coat with mounting holes	6040-U54-JQ	6040-U53-JQ
AISI 304 with mounting holes	6040-U54-PC	6040-U53-PC

EMKA®

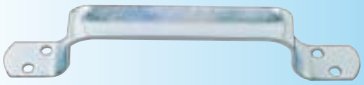
Beschlagteile

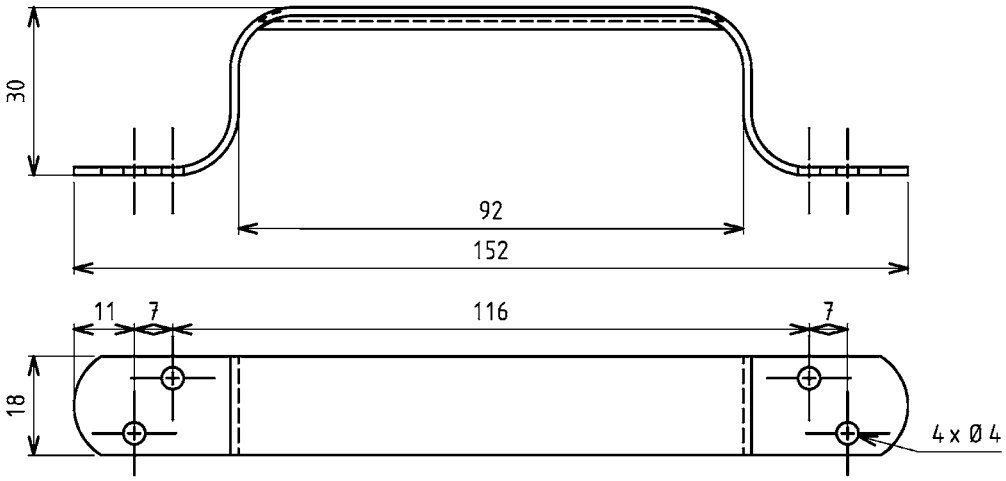
Handle

PROGRAM 6040

INOX AISI 3..

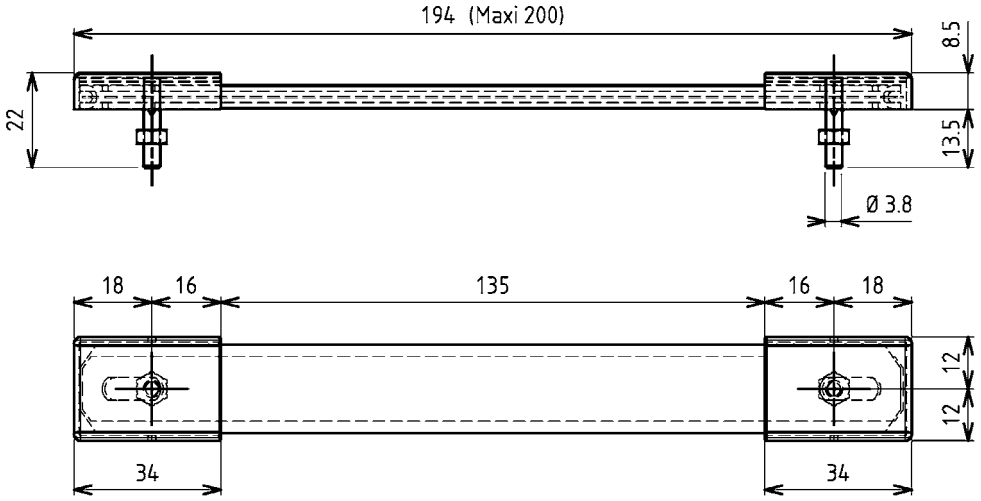
EDELSTAHL Rost frei STAINLESS STEEL





Bow-type handle	
Raw steel with mounting holes	6040-15-KA
Raw steel without mounting holes	6040-15-01KA
Zinc plated steel DS plus Top Coat with mounting holes	6040-15-JQ
AISI 304 with mounting holes	6040-15-PC

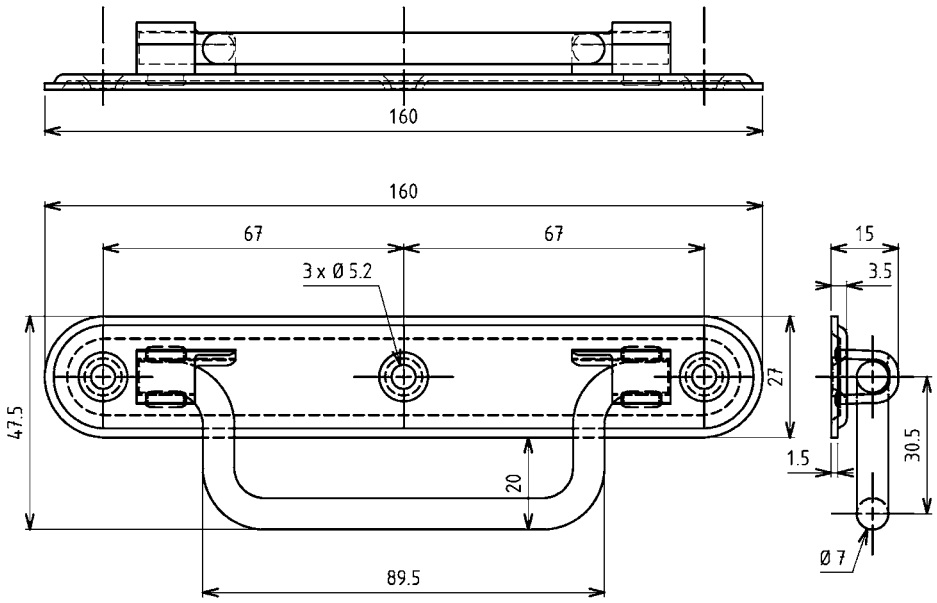




Case-handle	
Nickel plated steel with mounting holes	6040-U19-LA

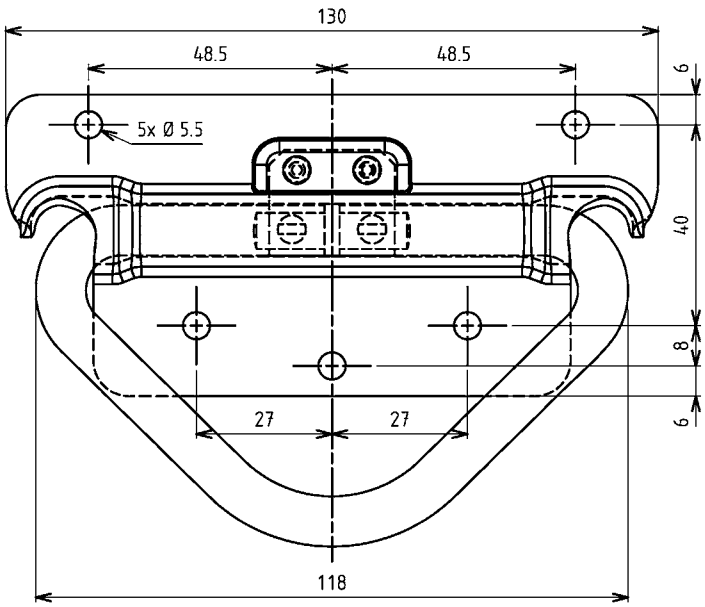
Chest handles

PROGRAM 6040





Chest handle	
	without piano wire torsion spring
Zinc plated steel DS plus Top Coat with mounting holes	6040-U94-JQ





Slinging ring	
	with leaf spring
Zinc plated steel DS plus Top Coat with mounting holes	6040-U80-JQ
AISI 304 with mounting holes	6040-U80-PC

Further parts see page
– Back plate 6B-320
6B-340

EMKA®

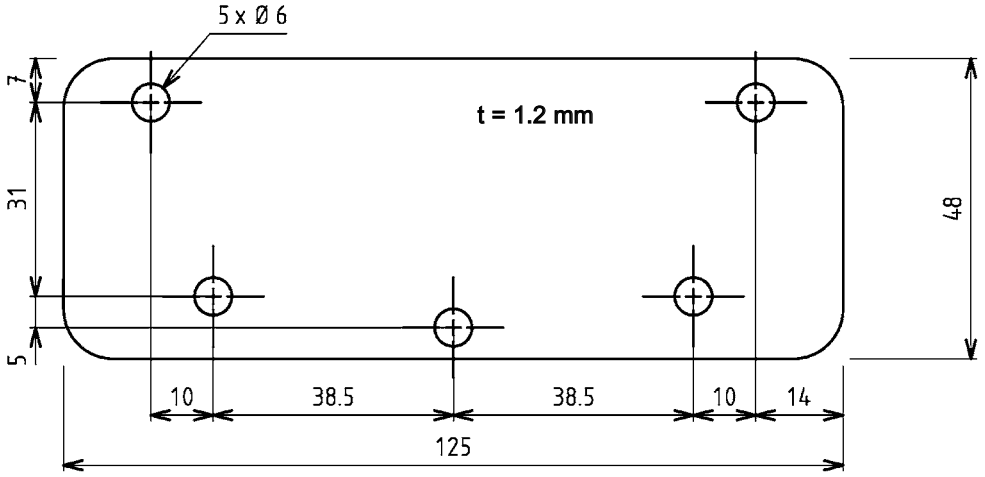
Beschlagteile

Counter plate

PROGRAM 6040

INOX AISI 3..



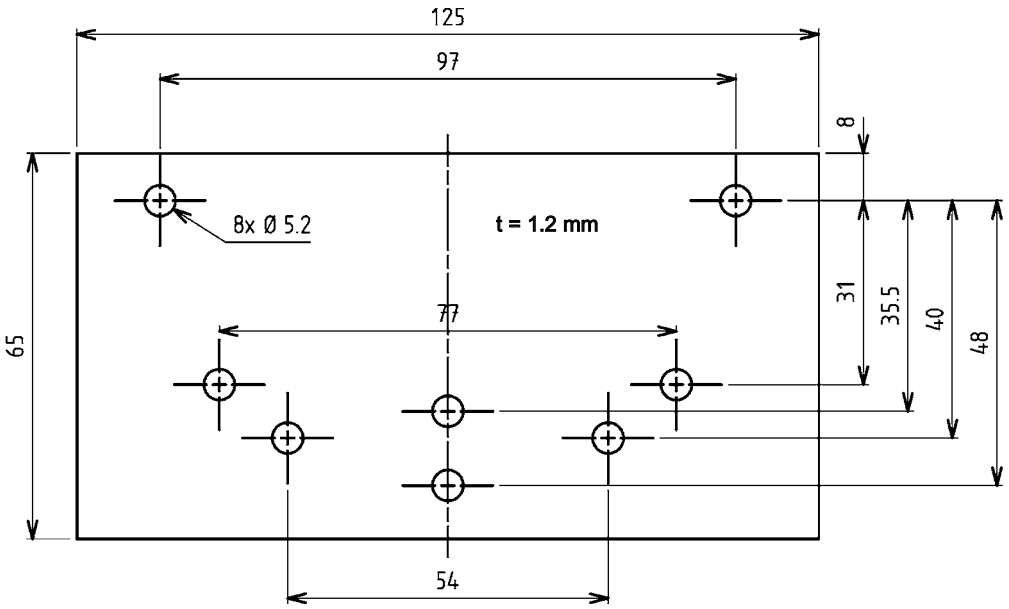


Further parts see page
– Chest handle 6B-120 6B-140

Counter plate for chest handle	
Zinc plated steel DS plus Top Coat	6042-63-JQ

EDELSTAHL Rost frei STAINLESS STEEL



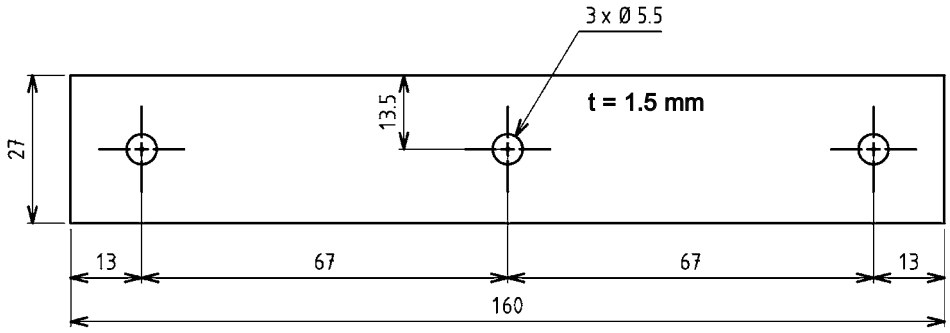


Further parts see page
– Chest handle 6B-120 6B-140

Counter plate for chest handle	
Zinc plated steel DS plus Top Coat	6042-69-JQ
AISI 304	6042-69-PC

Counter plate

PROGRAM 6040





Counter plate for handle	
Zinc plated steel DS plus Top Coat	6042-278-JQ

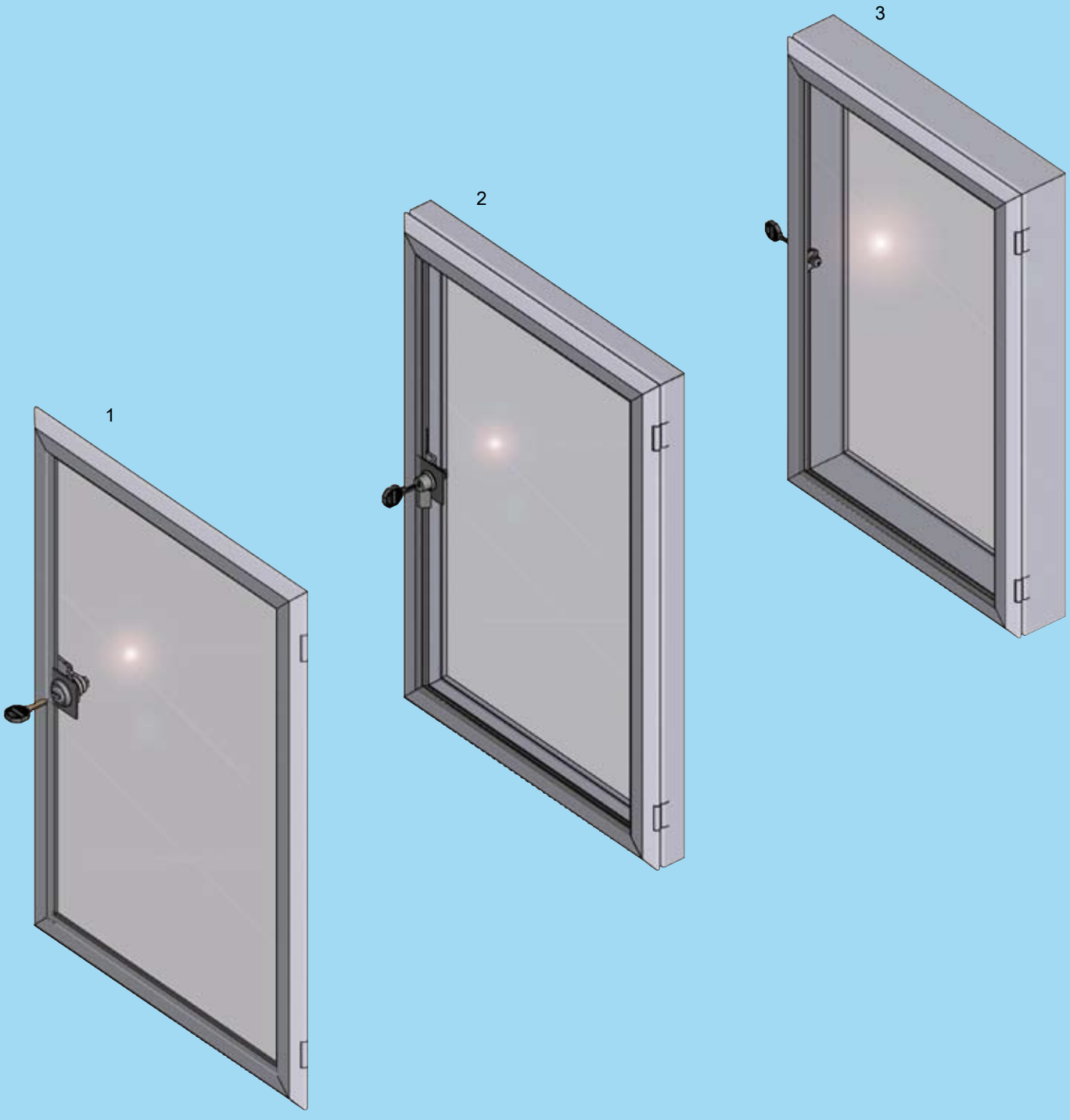
Further parts see page
– Chest handle 6B-240

EMKA®

Beschlagteile

Notes:

Aluminium window
Program 1200



1	Aluminium window without frame	7A-140, 7A-160
2	Aluminium window with 30 mm frame,	7A-220 to 7A-260
3	Aluminium window with 61 mm frame,	7A-320 to 7A-360

Can be assembled with gas spring upon request.

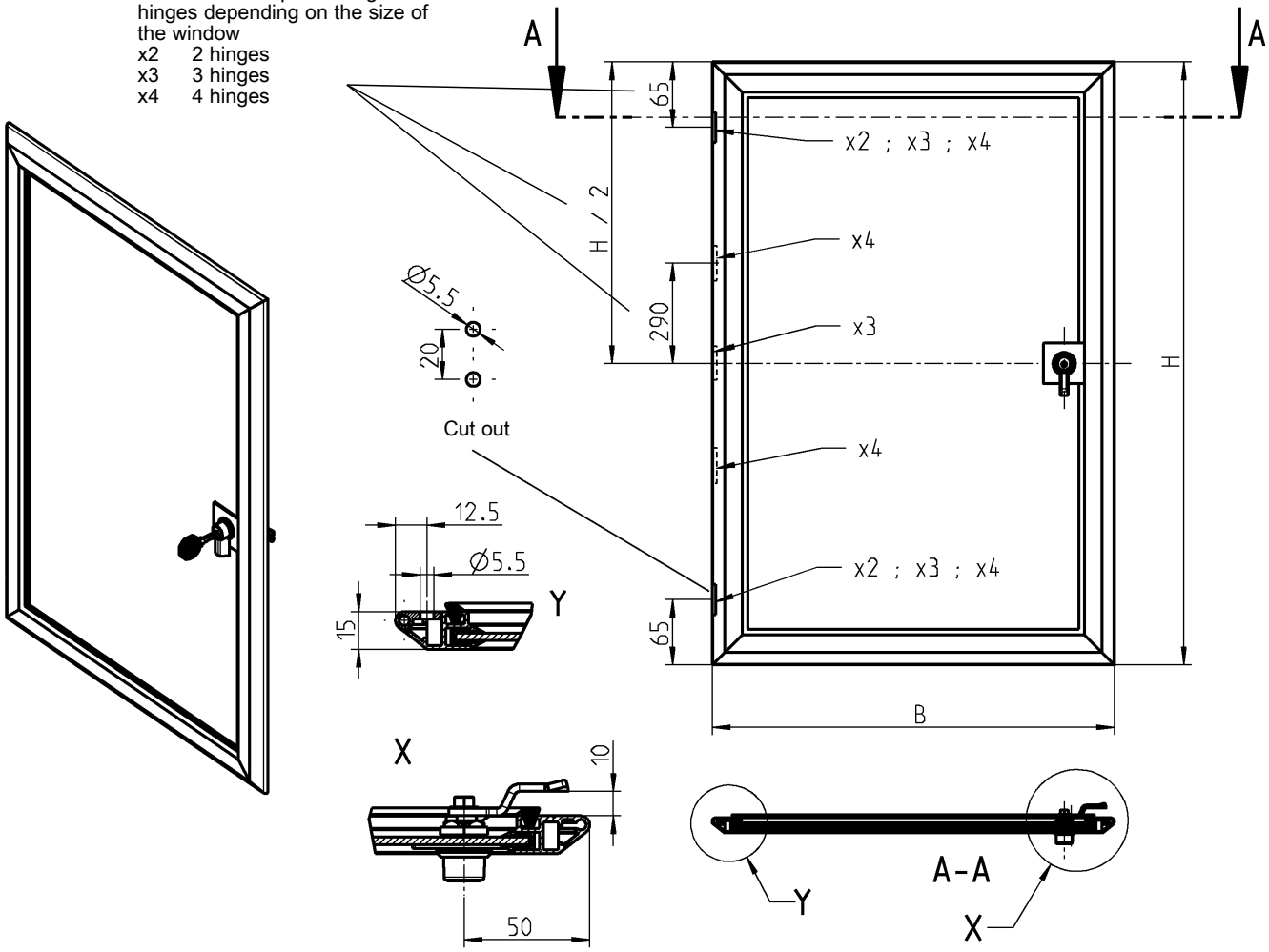
7A-100

Aluminium window

PROGRAM 1200

Aluminium window without frame, with front mounted wing knob

Dimensions for positioning the hinges depending on the size of the window
x2 2 hinges
x3 3 hinges
x4 4 hinges



Height in mm \ Width in mm	. . .	→700	→800	
. . .	..... . / .	..... . / .	..... . / .	
→900	..... . / .	1200-U55-07 3/3	1200-U56-07 3/3	
→1000	..... . / .	1200-U55-08 3/3	1200-U56-08 3/3	

Part number
B
H
Number of locks
Number of hinges

Order example:
The request is for a window with the dimensions:
W = 620 mm, H = 840 mm.
Part number 1200-U65-07 620x840

If more than one lock is necessary, only one will be keyed 2233X as standard. Keyed different on request.

For dimensions W and H, number of locks and hinges as well as part numbers, see opposite page.

Anodized aluminium window, polycarbonate glass 3 mm thick, lock zinc die black powder coated, with seal



Height in mm \ Width in mm	300←	→400	→500	→600	→700	→800	→900	→1000	
300←	1200-U61-01 1/2	1200-U62-01 1/2	1200-U63-01 1/2	1200-U64-01 1/2	1200-U65-01 1/2				
→400	1200-U61-02 1/2	1200-U62-02 1/2	1200-U63-02 1/2	1200-U64-02 1/2	1200-U65-02 1/2				
→500	1200-U61-03 1/2	1200-U62-03 1/2	1200-U63-03 1/2	1200-U64-03 1/2	1200-U65-03 1/2				
→600	1200-U61-04 1/2	1200-U62-04 1/2	1200-U63-04 1/2	1200-U64-04 1/2	1200-U65-04 2/2				
→700	1200-U61-05 1/2	1200-U62-05 1/2	1200-U63-05 2/2	1200-U64-05 2/2	1200-U65-05 2/2	1200-U66-05 2/2			
→800	1200-U61-06 1/2	1200-U62-06 1/2	1200-U63-06 2/2	1200-U64-06 2/2	1200-U65-06 2/2	1200-U66-06 2/2			
→900	1200-U61-07 2/3	1200-U62-07 2/3	1200-U63-07 2/3	1200-U64-07 2/3	1200-U65-07 3/3	1200-U66-07 3/3	1200-U67-07 3/3		
→1000	1200-U61-08 2/3	1200-U62-08 2/3	1200-U63-08 2/3	1200-U64-08 2/3	1200-U65-08 3/3	1200-U66-08 3/3	1200-U67-08 3/3	1200-U68-08 3/3	
→1100		1200-U62-09 2/3	1200-U63-09 2/3	1200-U64-09 2/3	1200-U65-09 3/3	1200-U66-09 3/3	1200-U67-09 3/3	1200-U68-09 3/3	
→1200		1200-U62-10 2/3	1200-U63-10 2/3	1200-U64-10 2/3	1200-U65-10 3/3	1200-U66-10 3/3	1200-U67-10 3/3	1200-U68-10 3/3	
→1300			1200-U63-11 3/3	1200-U64-11 3/3	1200-U65-11 3/3	1200-U66-11 3/3	1200-U67-11 3/3	1200-U68-11 3/3	
→1400			1200-U63-12 3/3	1200-U64-12 3/3	1200-U65-12 3/3	1200-U66-12 3/3	1200-U67-12 3/3	1200-U68-12 3/3	
→1500			1200-U63-13 3/3	1200-U64-13 3/3	1200-U65-13 3/3	1200-U66-13 3/3	1200-U67-13 3/3	1200-U68-13 3/3	
→1600			1200-U63-14 3/3	1200-U64-14 3/3	1200-U65-14 3/3	1200-U66-14 3/3	1200-U67-14 3/3	1200-U68-14 3/3	
→1700				1200-U64-15 3/4	1200-U65-15 3/4	1200-U66-15 3/4	1200-U67-15 3/4	1200-U68-15 3/4	
→1800				1200-U64-16 3/4	1200-U65-16 3/4	1200-U66-16 3/4	1200-U67-16 3/4	1200-U68-16 3/4	
→1900					1200-U65-17 3/4	1200-U66-17 3/4	1200-U67-17 3/4	1200-U68-17 3/4	
→2000					1200-U65-18 3/4	1200-U66-18 3/4	1200-U67-18 3/4	1200-U68-18 3/4	

Opening angle 140°

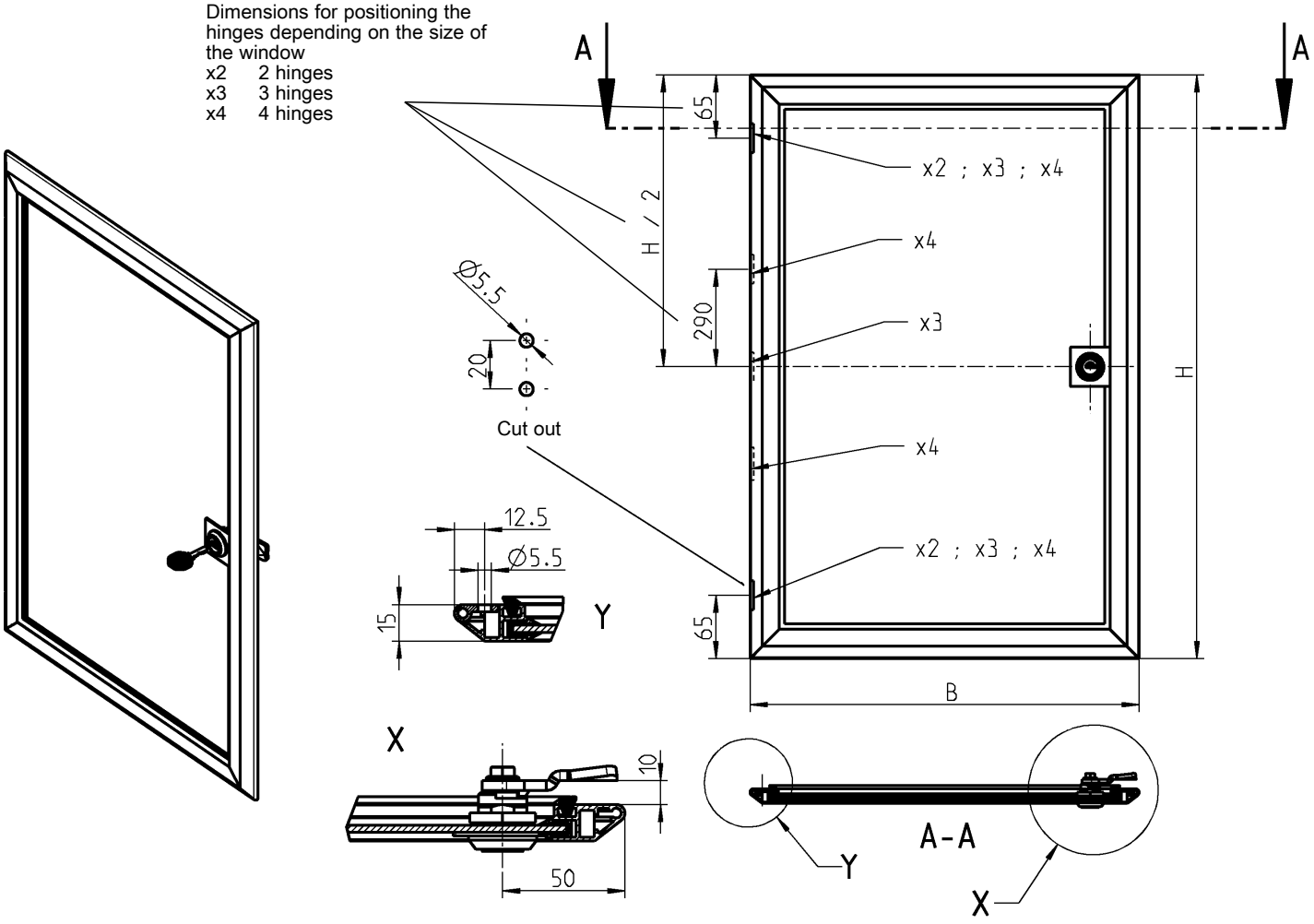
Note:
The framed articles are available on request with safety glass.

Aluminium window

PROGRAM 1200

Aluminium window without frame
with front mounted cylinder-lock

Dimensions for positioning the hinges depending on the size of the window
x2 2 hinges
x3 3 hinges
x4 4 hinges



Height in mm \ Width in mm	. . .	→700	→800	
. . .	..... . / .	..... . / .	..... . / .	
→900	..... . / .	1200-U55-07 3/3	1200-U56-07 3/3	
→1000	..... . / .	1200-U55-08 3/3	1200-U56-08 3/3	

Part number
B
H
Number of locks
Number of hinges

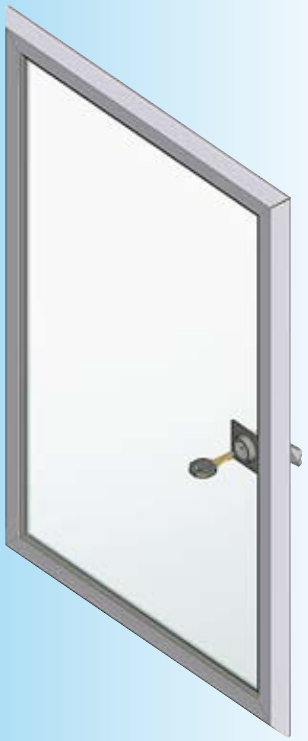
Order example:
The request is for a window with the dimensions:
W = 620 mm, H = 840 mm.
Part number 1200-U75-07 620x840

Keyed EK333.
Keyed different on request.

For dimensions W and H, number of locks and hinges as well as part numbers, see opposite page.

Anodized aluminium window, polycarbonate glass 3 mm thick, lock zinc die black powder coated, with seal

Height in mm \ Width in mm	300←	→400	→500	→600	→700	→800	→900	→1000	
300←	1200-U71-01 1/2	1200-U72-01 1/2	1200-U73-01 1/2	1200-U74-01 1/2	1200-U75-01 1/2				
→400	1200-U71-02 1/2	1200-U72-02 1/2	1200-U73-02 1/2	1200-U74-02 1/2	1200-U75-02 1/2				
→500	1200-U71-03 1/2	1200-U72-03 1/2	1200-U73-03 1/2	1200-U74-03 1/2	1200-U75-03 1/2				
→600	1200-U71-04 1/2	1200-U72-04 1/2	1200-U73-04 1/2	1200-U74-04 1/2	1200-U75-04 2/2				
→700	1200-U71-05 1/2	1200-U72-05 1/2	1200-U73-05 2/2	1200-U74-05 2/2	1200-U75-05 2/2	1200-U76-05 2/2			
→800	1200-U71-06 1/2	1200-U72-06 1/2	1200-U73-06 2/2	1200-U74-06 2/2	1200-U75-06 2/2	1200-U76-06 2/2			
→900	1200-U71-07 2/3	1200-U72-07 2/3	1200-U73-07 2/3	1200-U74-07 2/3	1200-U75-07 3/3	1200-U76-07 3/3	1200-U77-07 3/3		
→1000	1200-U71-08 2/3	1200-U72-08 2/3	1200-U73-08 2/3	1200-U74-08 2/3	1200-U75-08 3/3	1200-U76-08 3/3	1200-U77-08 3/3	1200-U78-08 3/3	
→1100		1200-U72-09 2/3	1200-U73-09 2/3	1200-U74-09 2/3	1200-U75-09 3/3	1200-U76-09 3/3	1200-U77-09 3/3	1200-U78-09 3/3	
→1200		1200-U72-10 2/3	1200-U73-10 2/3	1200-U74-10 2/3	1200-U75-10 3/3	1200-U76-10 3/3	1200-U77-10 3/3	1200-U78-10 3/3	
→1300			1200-U73-11 3/3	1200-U74-11 3/3	1200-U75-11 3/3	1200-U76-11 3/3	1200-U77-11 3/3	1200-U78-11 3/3	
→1400			1200-U73-12 3/3	1200-U74-12 3/3	1200-U75-12 3/3	1200-U76-12 3/3	1200-U77-12 3/3	1200-U78-12 3/3	
→1500			1200-U73-13 3/3	1200-U74-13 3/3	1200-U75-13 3/3	1200-U76-13 3/3	1200-U77-13 3/3	1200-U78-13 3/3	
→1600			1200-U73-14 3/3	1200-U74-14 3/3	1200-U75-14 3/3	1200-U76-14 3/3	1200-U77-14 3/3	1200-U78-14 3/3	
→1700				1200-U74-15 3/4	1200-U75-15 3/4	1200-U76-15 3/4	1200-U77-15 3/4	1200-U78-15 3/4	
→1800				1200-U74-16 3/4	1200-U75-16 3/4	1200-U76-16 3/4	1200-U77-16 3/4	1200-U78-16 3/4	
→1900					1200-U75-17 3/4	1200-U76-17 3/4	1200-U77-17 3/4	1200-U78-17 3/4	
→2000					1200-U75-18 3/4	1200-U76-18 3/4	1200-U77-18 3/4	1200-U78-18 3/4	



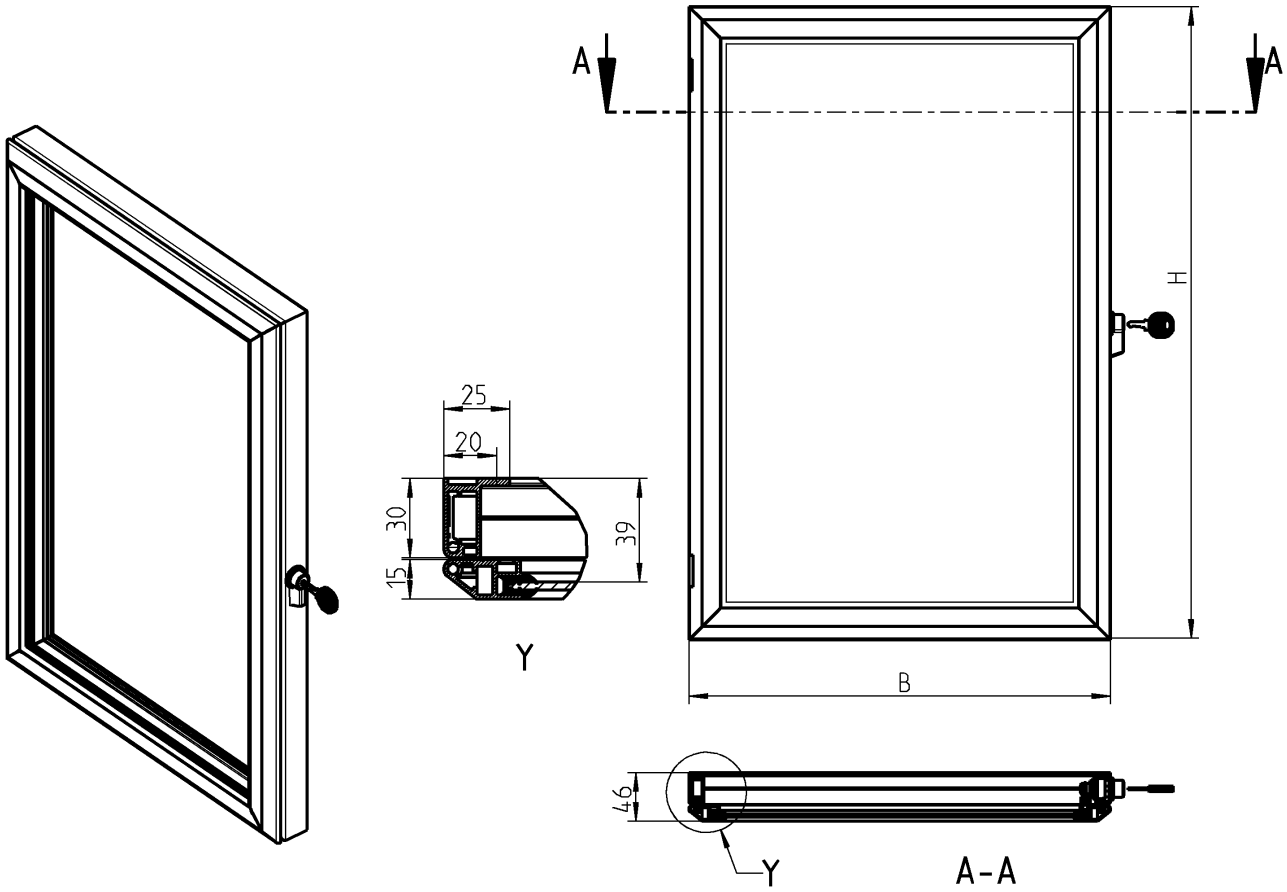
Opening angle 140°

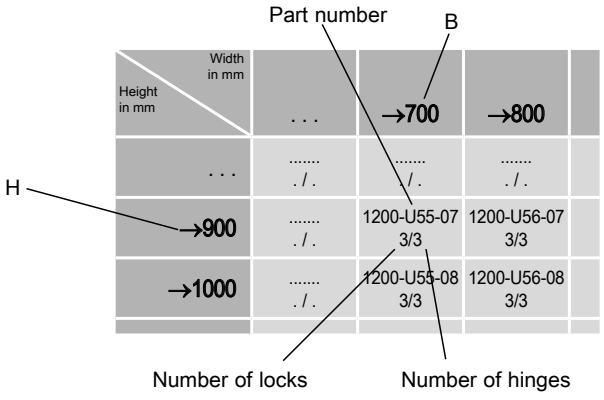
Note:
The framed articles are available on request with safety glass.

Aluminium window

PROGRAM 1200

**Aluminium window with 30 mm frame,
with side mounted wingknob**





Order example:
The request is for a window with the dimensions:
W = 620 mm, H = 840 mm.
Part number 1200-U5-07 620x840

If more than one lock necessary, only one will be keyed 2233X as standard. Keyed different on request.

For dimensions W and H, number of locks and hinges as well as part numbers, see opposite page.

Aluminium window anodized aluminium, acrylic glass 3 mm thick, locks zinc die black powder coated, with gasketing



Height in mm \ Width in mm	300←	→400	→500	→600	→700	→800	→900	→1000	
300←	1200-U1-01 1/2	1200-U2-01 1/2	1200-U3-01 1/2	1200-U4-01 1/2	1200-U5-01 1/2				
→400	1200-U1-02 1/2	1200-U2-02 1/2	1200-U3-02 1/2	1200-U4-02 1/2	1200-U5-02 1/2				
→500	1200-U1-03 1/2	1200-U2-03 1/2	1200-U3-03 1/2	1200-U4-03 1/2	1200-U5-03 1/2				
→600	1200-U1-04 1/2	1200-U2-04 1/2	1200-U3-04 1/2	1200-U4-04 1/2	1200-U5-04 2/2				
→700	1200-U1-05 1/2	1200-U2-05 1/2	1200-U3-05 2/2	1200-U4-05 2/2	1200-U5-05 2/2	1200-U6-05 2/2			
→800	1200-U1-06 1/2	1200-U2-06 1/2	1200-U3-06 2/2	1200-U4-06 2/2	1200-U5-06 2/2	1200-U6-06 2/2			
→900	1200-U1-07 2/3	1200-U2-07 2/3	1200-U3-07 2/3	1200-U4-07 2/3	1200-U5-07 3/3	1200-U6-07 3/3	1200-U7-07 3/3		
→1000	1200-U1-08 2/3	1200-U2-08 2/3	1200-U3-08 2/3	1200-U4-08 2/3	1200-U5-08 3/3	1200-U6-08 3/3	1200-U7-08 3/3	1200-U8-08 3/3	
→1100		1200-U2-09 2/3	1200-U3-09 2/3	1200-U4-09 2/3	1200-U5-09 3/3	1200-U6-09 3/3	1200-U7-09 3/3	1200-U8-09 3/3	
→1200		1200-U2-10 2/3	1200-U3-10 2/3	1200-U4-10 2/3	1200-U5-10 3/3	1200-U6-10 3/3	1200-U7-10 3/3	1200-U8-10 3/3	
→1300			1200-U3-11 3/3	1200-U4-11 3/3	1200-U5-11 3/3	1200-U6-11 3/3	1200-U7-11 3/3	1200-U8-11 3/3	
→1400			1200-U3-12 3/3	1200-U4-12 3/3	1200-U5-12 3/3	1200-U6-12 3/3	1200-U7-12 3/3	1200-U8-12 3/3	
→1500			1200-U3-13 3/3	1200-U4-13 3/3	1200-U5-13 3/3	1200-U6-13 3/3	1200-U7-13 3/3	1200-U8-13 3/3	
→1600			1200-U3-14 3/3	1200-U4-14 3/3	1200-U5-14 3/3	1200-U6-14 3/3	1200-U7-14 3/3	1200-U8-14 3/3	
→1700				1200-U4-15 3/4	1200-U5-15 3/4	1200-U6-15 3/4	1200-U7-15 3/4	1200-U8-15 3/4	
→1800				1200-U4-16 3/4	1200-U5-16 3/4	1200-U6-16 3/4	1200-U7-16 3/4	1200-U8-16 3/4	
→1900					1200-U5-17 3/4	1200-U6-17 3/4	1200-U7-17 3/4	1200-U8-17 3/4	
→2000					1200-U5-18 3/4	1200-U6-18 3/4	1200-U7-18 3/4	1200-U8-18 3/4	

Opening angle 180°

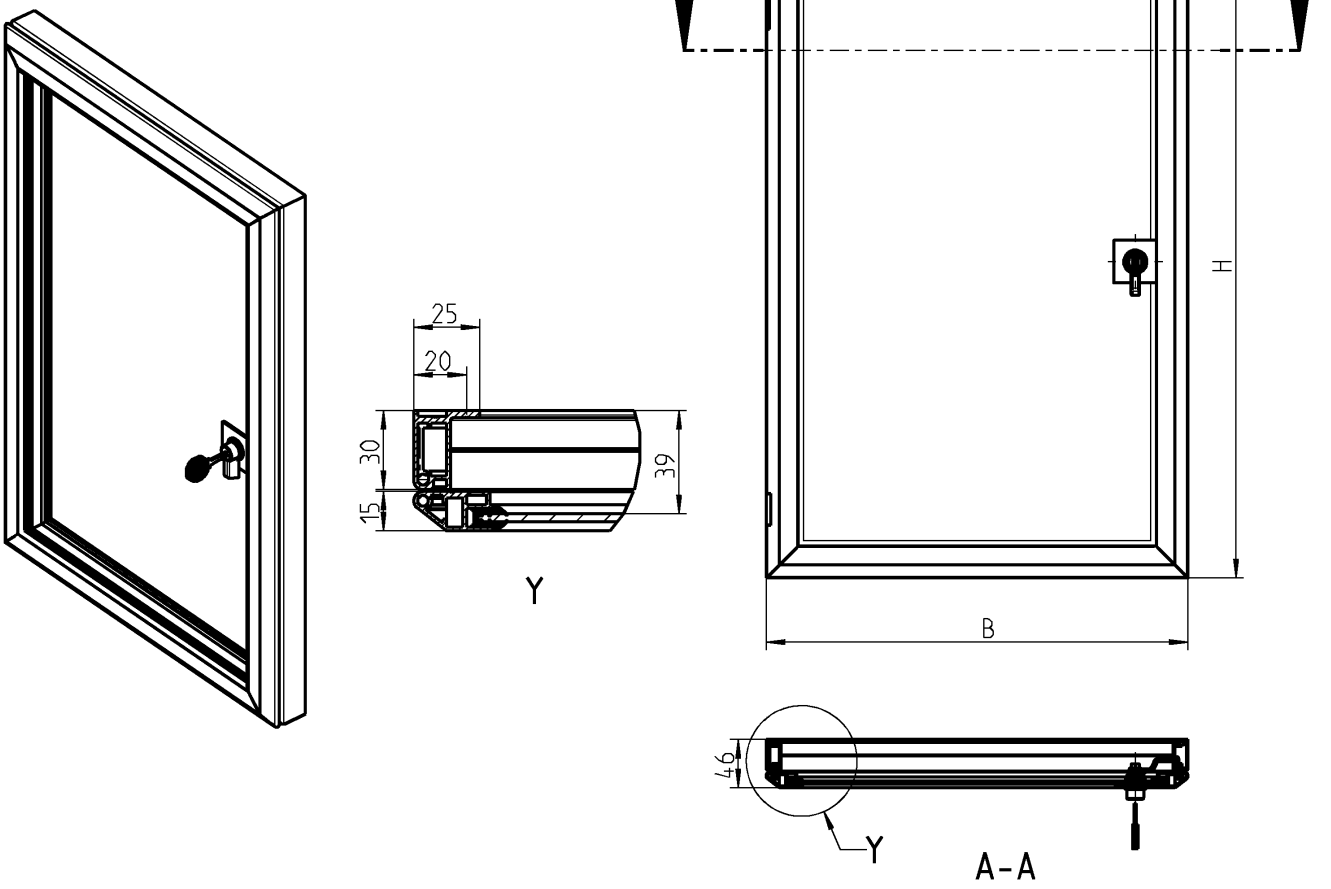
Information:
Polycarbonate glass (for outdoor application) or safety glass on request.
The framed articles are available with safety glass.

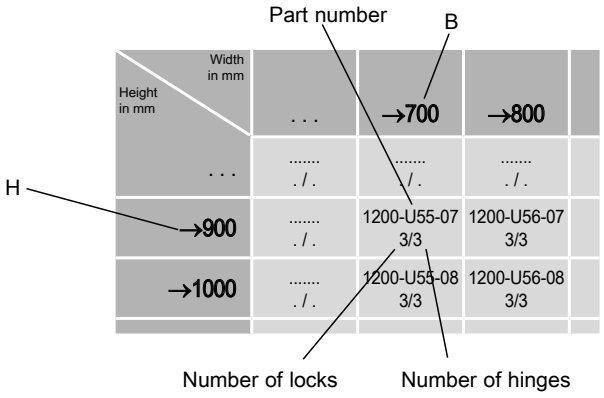
Can be assembled with gas springs on request

Aluminium window

PROGRAM 1200

**Aluminium window with 30 mm frame,
with front mounted wingknob**





Order example:
The request is for a window with the dimensions:
W = 620 mm, H = 840 mm.
Part number 1200-U15-07 620x840

If more than one lock necessary, only one will be keyed 2233X as standard. Keyed different on request.

For dimensions W and H, number of locks and hinges as well as part numbers, see opposite page.

Anodized aluminium window, polycarbonate glass 3 mm thick, lock zinc die black powder coated, with seal



Height in mm \ Width in mm	300←	→400	→500	→600	→700	→800	→900	→1000	
300←	1200-U11-01 1/2	1200-U12-01 1/2	1200-U13-01 1/2	1200-U14-01 1/2	1200-U15-01 1/2				
→400	1200-U11-02 1/2	1200-U12-02 1/2	1200-U13-02 1/2	1200-U14-02 1/2	1200-U15-02 1/2				
→500	1200-U11-03 1/2	1200-U12-03 1/2	1200-U13-03 1/2	1200-U14-03 1/2	1200-U15-03 1/2				
→600	1200-U11-04 1/2	1200-U12-04 1/2	1200-U13-04 1/2	1200-U14-04 1/2	1200-U15-04 2/2				
→700	1200-U11-05 1/2	1200-U12-05 1/2	1200-U13-05 2/2	1200-U14-05 2/2	1200-U15-05 2/2	1200-U16-05 2/2			
→800	1200-U11-06 1/2	1200-U12-06 1/2	1200-U13-06 2/2	1200-U14-06 2/2	1200-U15-06 2/2	1200-U16-06 2/2			
→900	1200-U11-07 2/3	1200-U12-07 2/3	1200-U13-07 2/3	1200-U14-07 2/3	1200-U15-07 3/3	1200-U16-07 3/3	1200-U17-07 3/3		
→1000	1200-U11-08 2/3	1200-U12-08 2/3	1200-U13-08 2/3	1200-U14-08 2/3	1200-U15-08 3/3	1200-U16-08 3/3	1200-U17-08 3/3	1200-U18-08 3/3	
→1100		1200-U12-09 2/3	1200-U13-09 2/3	1200-U14-09 2/3	1200-U15-09 3/3	1200-U16-09 3/3	1200-U17-09 3/3	1200-U18-09 3/3	
→1200		1200-U12-10 2/3	1200-U13-10 2/3	1200-U14-10 2/3	1200-U15-10 3/3	1200-U16-10 3/3	1200-U17-10 3/3	1200-U18-10 3/3	
→1300			1200-U13-11 3/3	1200-U14-11 3/3	1200-U15-11 3/3	1200-U16-11 3/3	1200-U17-11 3/3	1200-U18-11 3/3	
→1400			1200-U13-12 3/3	1200-U14-12 3/3	1200-U15-12 3/3	1200-U16-12 3/3	1200-U17-12 3/3	1200-U18-12 3/3	
→1500			1200-U13-13 3/3	1200-U14-13 3/3	1200-U15-13 3/3	1200-U16-13 3/3	1200-U17-13 3/3	1200-U18-13 3/3	
→1600			1200-U13-14 3/3	1200-U14-14 3/3	1200-U15-14 3/3	1200-U16-14 3/3	1200-U17-14 3/3	1200-U18-14 3/3	
→1700				1200-U14-15 3/4	1200-U15-15 3/4	1200-U16-15 3/4	1200-U17-15 3/4	1200-U18-15 3/4	
→1800				1200-U14-16 3/4	1200-U15-16 3/4	1200-U16-16 3/4	1200-U17-16 3/4	1200-U18-16 3/4	
→1900					1200-U15-17 3/4	1200-U16-17 3/4	1200-U17-17 3/4	1200-U18-17 3/4	
→2000					1200-U15-18 3/4	1200-U16-18 3/4	1200-U17-18 3/4	1200-U18-18 3/4	

Opening angle 140°

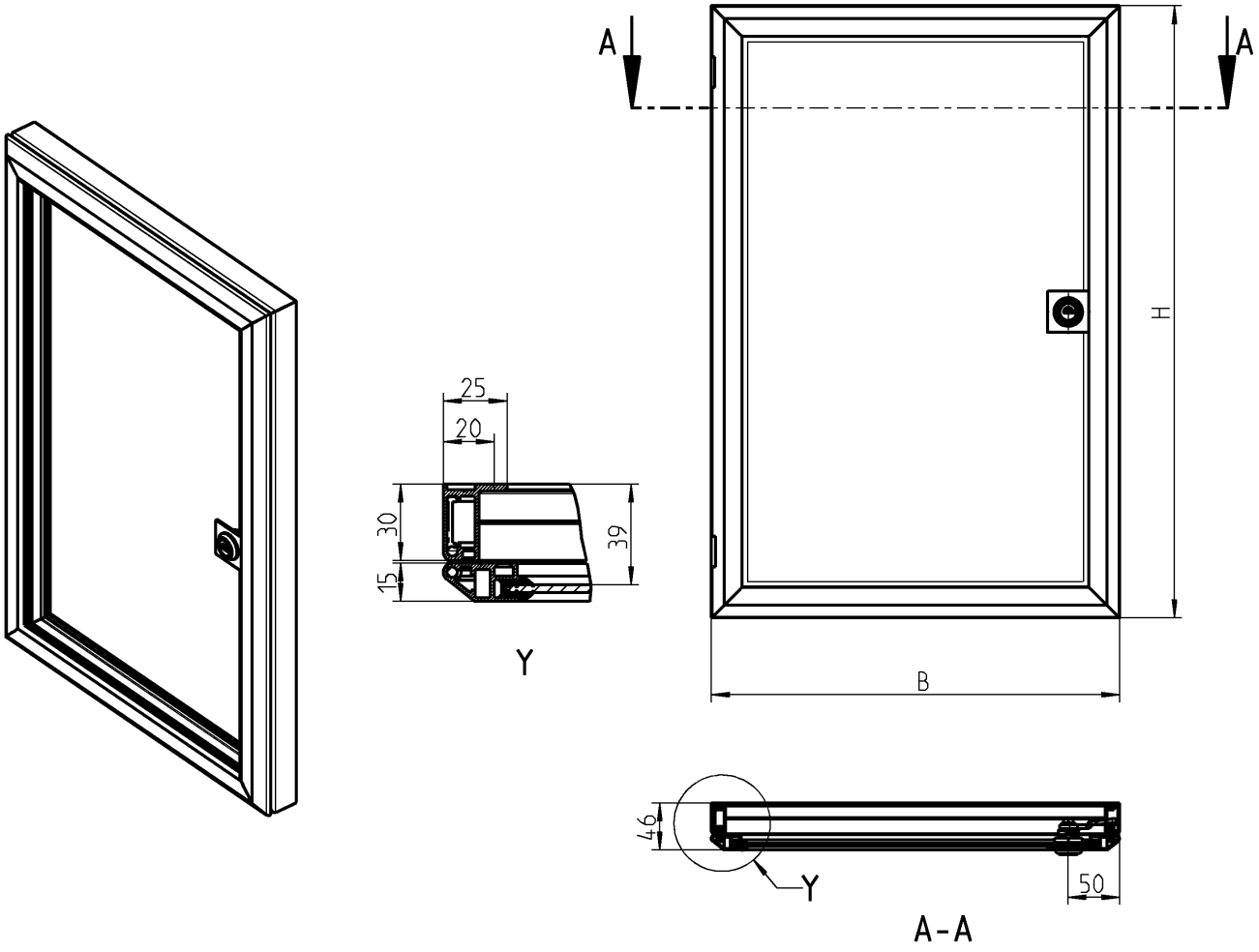
Information:
The framed articles are available on request with safety glass.

Can be assembled with gas springs on request

Aluminium window

PROGRAM 1200

**Aluminium window with 30 mm frame,
with front mounted cylinder lock**



Part number

B

H

Height in mm \ Width in mm	. . .	→700	→800	
. . .	..... . / .	..... / .	..... . / .	
→900	..... . / .	1200-U55-07 3/3	1200-U56-07 3/3	
→1000	..... . / .	1200-U55-08 3/3	1200-U56-08 3/3	

Number of locks

Number of hinges

Order example:
The request is for a window with the dimensions:
W = 620 mm, H = 840 mm.
Part number 1200-U25-07 620x840

Keyed EK333.
Keyed different on request.

For dimensions W and H, number of locks and hinges as well as part numbers, see opposite page.

Anodized aluminium window, polycarbonate glass 3 mm thick, lock zinc die black powder coated, with seal



Height in mm \ Width in mm	300←	→400	→500	→600	→700	→800	→900	→1000	
300←	1200-U21-01 1/2	1200-U22-01 1/2	1200-U23-01 1/2	1200-U24-01 1/2	1200-U25-01 1/2				
→400	1200-U21-02 1/2	1200-U22-02 1/2	1200-U23-02 1/2	1200-U24-02 1/2	1200-U25-02 1/2				
→500	1200-U21-03 1/2	1200-U22-03 1/2	1200-U23-03 1/2	1200-U24-03 1/2	1200-U25-03 1/2				
→600	1200-U21-04 1/2	1200-U22-04 1/2	1200-U23-04 1/2	1200-U24-04 1/2	1200-U25-04 2/2				
→700	1200-U21-05 1/2	1200-U22-05 1/2	1200-U23-05 2/2	1200-U24-05 2/2	1200-U25-05 2/2	1200-U26-05 2/2			
→800	1200-U21-06 1/2	1200-U22-06 1/2	1200-U23-06 2/2	1200-U24-06 2/2	1200-U25-06 2/2	1200-U26-06 2/2			
→900	1200-U21-07 2/3	1200-U22-07 2/3	1200-U23-07 2/3	1200-U24-07 2/3	1200-U25-07 3/3	1200-U26-07 3/3	1200-U27-07 3/3		
→1000	1200-U21-08 2/3	1200-U22-08 2/3	1200-U23-08 2/3	1200-U24-08 2/3	1200-U25-08 3/3	1200-U26-08 3/3	1200-U27-08 3/3	1200-U28-08 3/3	
→1100		1200-U22-09 2/3	1200-U23-09 2/3	1200-U24-09 2/3	1200-U25-09 3/3	1200-U26-09 3/3	1200-U27-09 3/3	1200-U28-09 3/3	
→1200		1200-U22-10 2/3	1200-U23-10 2/3	1200-U24-10 2/3	1200-U25-10 3/3	1200-U26-10 3/3	1200-U27-10 3/3	1200-U28-10 3/3	
→1300			1200-U23-11 3/3	1200-U24-11 3/3	1200-U25-11 3/3	1200-U26-11 3/3	1200-U27-11 3/3	1200-U28-11 3/3	
→1400			1200-U23-12 3/3	1200-U24-12 3/3	1200-U25-12 3/3	1200-U26-12 3/3	1200-U27-12 3/3	1200-U28-12 3/3	
→1500			1200-U23-13 3/3	1200-U24-13 3/3	1200-U25-13 3/3	1200-U26-13 3/3	1200-U27-13 3/3	1200-U28-13 3/3	
→1600			1200-U23-14 3/3	1200-U24-14 3/3	1200-U25-14 3/3	1200-U26-14 3/3	1200-U27-14 3/3	1200-U28-14 3/3	
→1700				1200-U24-15 3/4	1200-U25-15 3/4	1200-U26-15 3/4	1200-U27-15 3/4	1200-U28-15 3/4	
→1800				1200-U24-16 3/4	1200-U25-16 3/4	1200-U26-16 3/4	1200-U27-16 3/4	1200-U28-16 3/4	
→1900					1200-U25-17 3/4	1200-U26-17 3/4	1200-U27-17 3/4	1200-U28-17 3/4	
→2000					1200-U25-18 3/4	1200-U26-18 3/4	1200-U27-18 3/4	1200-U28-18 3/4	

Opening angle 180°

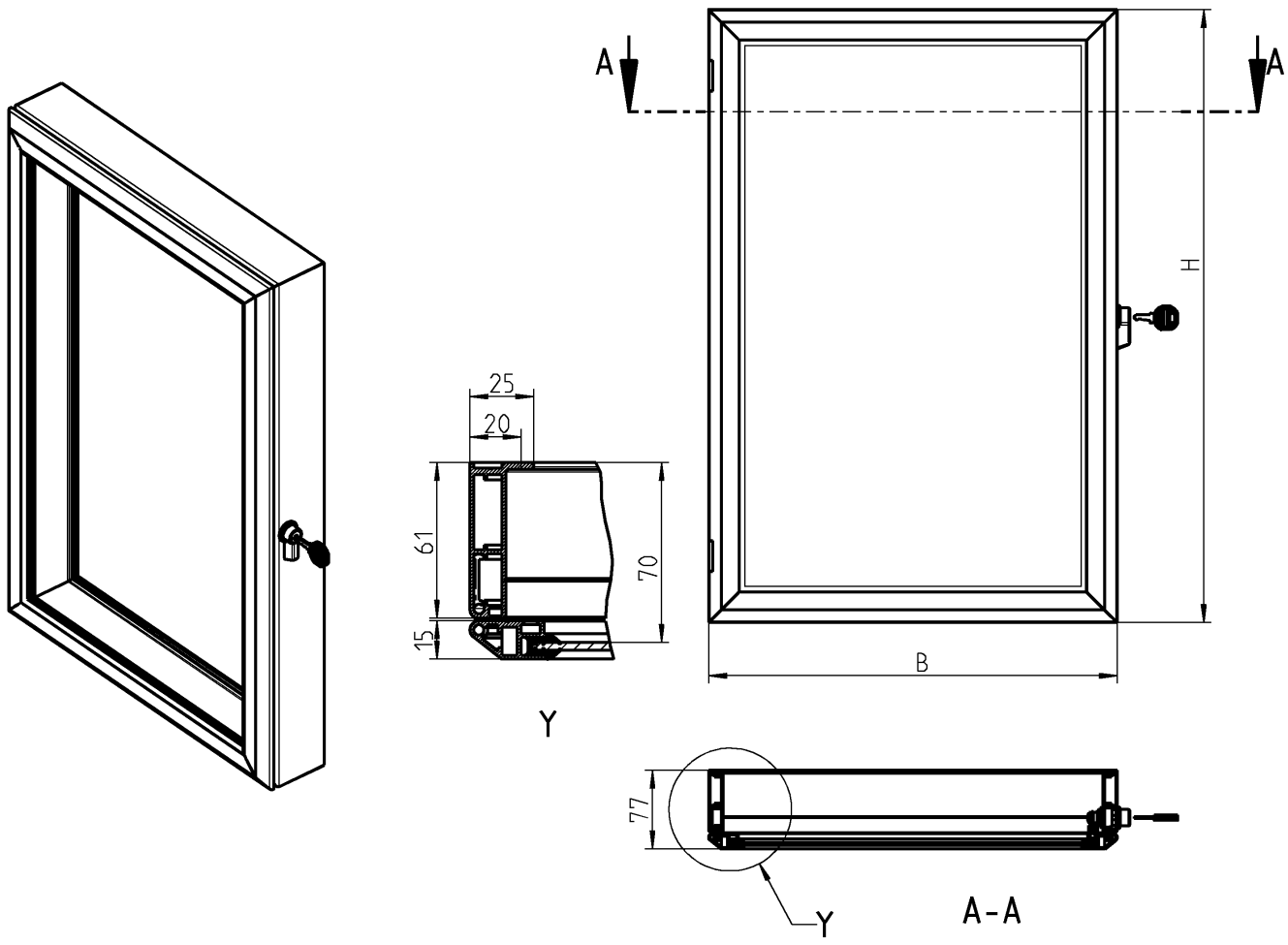
Information:
The framed articles are available on request with safety glass.

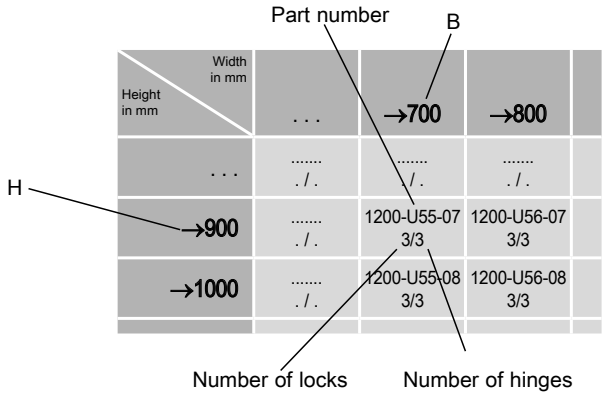
Can be assembled with gas springs on request

Aluminium window

PROGRAM 1200

**Aluminium window with 61 mm frame,
with side-mounted wing knob**





Order example:
The request is for a window with the dimensions:
W = 620 mm, H = 840 mm.
Part number 1200-U35-07 620x840

If more than one lock is necessary, only one will be keyed 2233X as standard. Keyed different on request.

For dimensions W and H, number of locks and hinges as well as part numbers, see opposite page.

Aluminium window anodized aluminium, acrylic glass 3 mm thick, locks zinc die black powder coated, with gasketing



Height in mm \ Width in mm	300←	→400	→500	→600	→700	→800	→900	→1000	
300←	1200-U31-01 1/2	1200-U32-01 1/2	1200-U33-01 1/2	1200-U34-01 1/2	1200-U35-01 1/2				
→400	1200-U31-02 1/2	1200-U32-02 1/2	1200-U33-02 1/2	1200-U34-02 1/2	1200-U35-02 1/2				
→500	1200-U31-03 1/2	1200-U32-03 1/2	1200-U33-03 1/2	1200-U34-03 1/2	1200-U35-03 1/2				
→600	1200-U31-04 1/2	1200-U32-04 1/2	1200-U33-04 1/2	1200-U34-04 1/2	1200-U35-04 2/2				
→700	1200-U31-05 1/2	1200-U32-05 1/2	1200-U33-05 2/2	1200-U34-05 2/2	1200-U35-05 2/2	1200-U36-05 2/2			
→800	1200-U31-06 1/2	1200-U32-06 1/2	1200-U33-06 2/2	1200-U34-06 2/2	1200-U35-06 2/2	1200-U36-06 2/2			
→900	1200-U31-07 2/3	1200-U32-07 2/3	1200-U33-07 2/3	1200-U34-07 2/3	1200-U35-07 3/3	1200-U36-07 3/3	1200-U37-07 3/3		
→1000	1200-U31-08 2/3	1200-U32-08 2/3	1200-U33-08 2/3	1200-U34-08 2/3	1200-U35-08 3/3	1200-U36-08 3/3	1200-U37-08 3/3	1200-U38-08 3/3	
→1100		1200-U32-09 2/3	1200-U33-09 2/3	1200-U34-09 2/3	1200-U35-09 3/3	1200-U36-09 3/3	1200-U37-09 3/3	1200-U38-09 3/3	
→1200		1200-U32-10 2/3	1200-U33-10 2/3	1200-U34-10 2/3	1200-U35-10 3/3	1200-U36-10 3/3	1200-U37-10 3/3	1200-U38-10 3/3	
→1300			1200-U33-11 3/3	1200-U34-11 3/3	1200-U35-11 3/3	1200-U36-11 3/3	1200-U37-11 3/3	1200-U38-11 3/3	
→1400			1200-U33-12 3/3	1200-U34-12 3/3	1200-U35-12 3/3	1200-U36-12 3/3	1200-U37-12 3/3	1200-U38-12 3/3	
→1500			1200-U33-13 3/3	1200-U34-13 3/3	1200-U35-13 3/3	1200-U36-13 3/3	1200-U37-13 3/3	1200-U38-13 3/3	
→1600			1200-U33-14 3/3	1200-U34-14 3/3	1200-U35-14 3/3	1200-U36-14 3/3	1200-U37-14 3/3	1200-U38-14 3/3	
→1700				1200-U34-15 3/4	1200-U35-15 3/4	1200-U36-15 3/4	1200-U37-15 3/4	1200-U38-15 3/4	
→1800				1200-U34-16 3/4	1200-U35-16 3/4	1200-U36-16 3/4	1200-U37-16 3/4	1200-U38-16 3/4	
→1900					1200-U35-17 3/4	1200-U36-17 3/4	1200-U37-17 3/4	1200-U38-17 3/4	
→2000					1200-U35-18 3/4	1200-U36-18 3/4	1200-U37-18 3/4	1200-U38-18 3/4	

Opening angle 180°

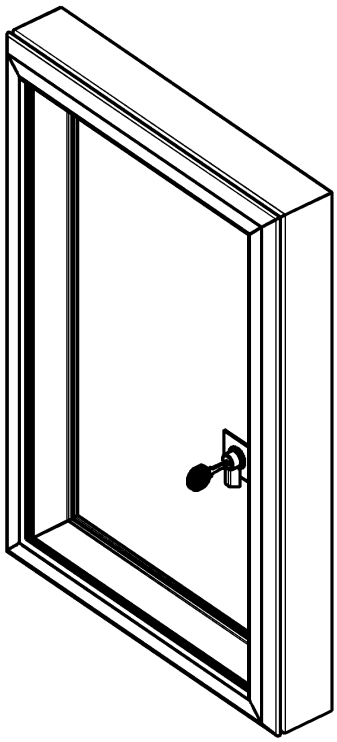
Information:
Polycarbonate glass (for outdoor application) or safety glass on request.
The framed articles are available with safety glass.

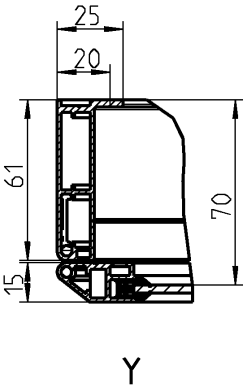
Can be assembled with gas springs on request

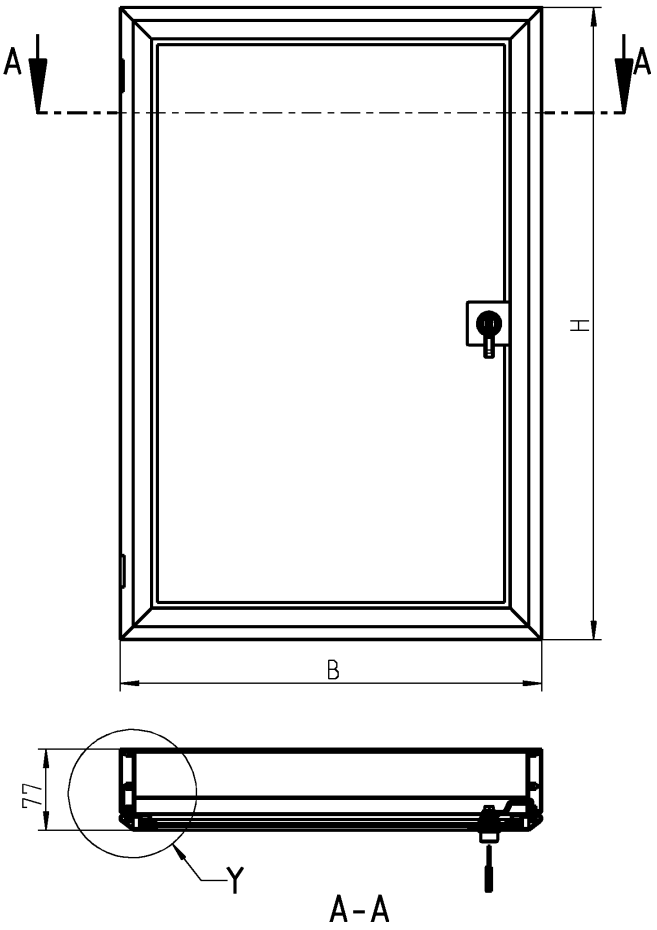
Aluminium window

PROGRAM 1200

Aluminium window with 61 mm frame, with front-mounted wingknob







Part number

B

Height in mm \ Width in mm	. . .	→700	→800	
. . .	..... . / .	..... . / .	..... . / .	
→900	..... . / .	1200-U55-07 3/3	1200-U56-07 3/3	
→1000	..... . / .	1200-U55-08 3/3	1200-U56-08 3/3	

H

Number of locks

Number of hinges

Order example:
The request is for a window with the dimensions:
W = 620 mm, H = 840 mm.
Part number 1200-U45-07 620x840

If more than one lock necessary, only one will be keyed 2233X as standard. Keyed different on request.

For dimensions W and H, number of locks and hinges as well as part numbers, see opposite page.

Anodized aluminium window, polycarbonate glass 3 mm thick, lock zinc die black powder coated, with seal



Height in mm \ Width in mm	300←	→400	→500	→600	→700	→800	→900	→1000	
300←	1200-U41-01 1/2	1200-U42-01 1/2	1200-U43-01 1/2	1200-U44-01 1/2	1200-U45-01 1/2				
→400	1200-U41-02 1/2	1200-U42-02 1/2	1200-U43-02 1/2	1200-U44-02 1/2	1200-U45-02 1/2				
→500	1200-U41-03 1/2	1200-U42-03 1/2	1200-U43-03 1/2	1200-U44-03 1/2	1200-U45-03 1/2				
→600	1200-U41-04 1/2	1200-U42-04 1/2	1200-U43-04 1/2	1200-U44-04 1/2	1200-U45-04 2/2				
→700	1200-U41-05 1/2	1200-U42-05 1/2	1200-U43-05 2/2	1200-U44-05 2/2	1200-U45-05 2/2	1200-U46-05 2/2			
→800	1200-U41-06 1/2	1200-U42-06 1/2	1200-U43-06 2/2	1200-U44-06 2/2	1200-U45-06 2/2	1200-U46-06 2/2			
→900	1200-U41-07 2/3	1200-U42-07 2/3	1200-U43-07 2/3	1200-U44-07 2/3	1200-U45-07 3/3	1200-U46-07 3/3	1200-U47-07 3/3		
→1000	1200-U41-08 2/3	1200-U42-08 2/3	1200-U43-08 2/3	1200-U44-08 2/3	1200-U45-08 3/3	1200-U46-08 3/3	1200-U47-08 3/3	1200-U48-08 3/3	
→1100		1200-U42-09 2/3	1200-U43-09 2/3	1200-U44-09 2/3	1200-U45-09 3/3	1200-U46-09 3/3	1200-U47-09 3/3	1200-U48-09 3/3	
→1200		1200-U42-10 2/3	1200-U43-10 2/3	1200-U44-10 2/3	1200-U45-10 3/3	1200-U46-10 3/3	1200-U47-10 3/3	1200-U48-10 3/3	
→1300			1200-U43-11 3/3	1200-U44-11 3/3	1200-U45-11 3/3	1200-U46-11 3/3	1200-U47-11 3/3	1200-U48-11 3/3	
→1400			1200-U43-12 3/3	1200-U44-12 3/3	1200-U45-12 3/3	1200-U46-12 3/3	1200-U47-12 3/3	1200-U48-12 3/3	
→1500			1200-U43-13 3/3	1200-U44-13 3/3	1200-U45-13 3/3	1200-U46-13 3/3	1200-U47-13 3/3	1200-U48-13 3/3	
→1600			1200-U43-14 3/3	1200-U44-14 3/3	1200-U45-14 3/3	1200-U46-14 3/3	1200-U47-14 3/3	1200-U48-14 3/3	
→1700				1200-U44-15 3/4	1200-U45-15 3/4	1200-U46-15 3/4	1200-U47-15 3/4	1200-U48-15 3/4	
→1800				1200-U44-16 3/4	1200-U45-16 3/4	1200-U46-16 3/4	1200-U47-16 3/4	1200-U48-16 3/4	
→1900					1200-U45-17 3/4	1200-U46-17 3/4	1200-U47-17 3/4	1200-U48-17 3/4	
→2000					1200-U45-18 3/4	1200-U46-18 3/4	1200-U47-18 3/4	1200-U48-18 3/4	

Opening angle 180°

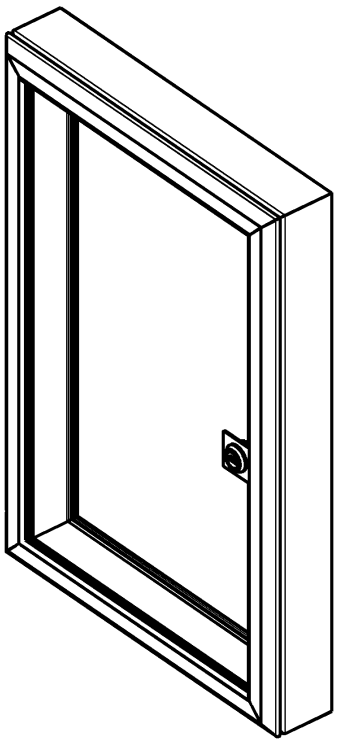
Information:
The framed articles are available on request with safety glass.

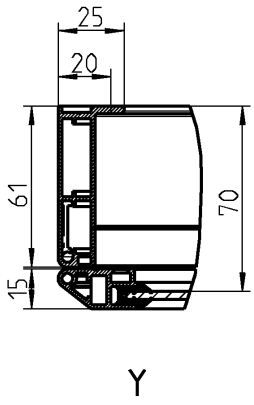
Can be assembled with gas springs on request

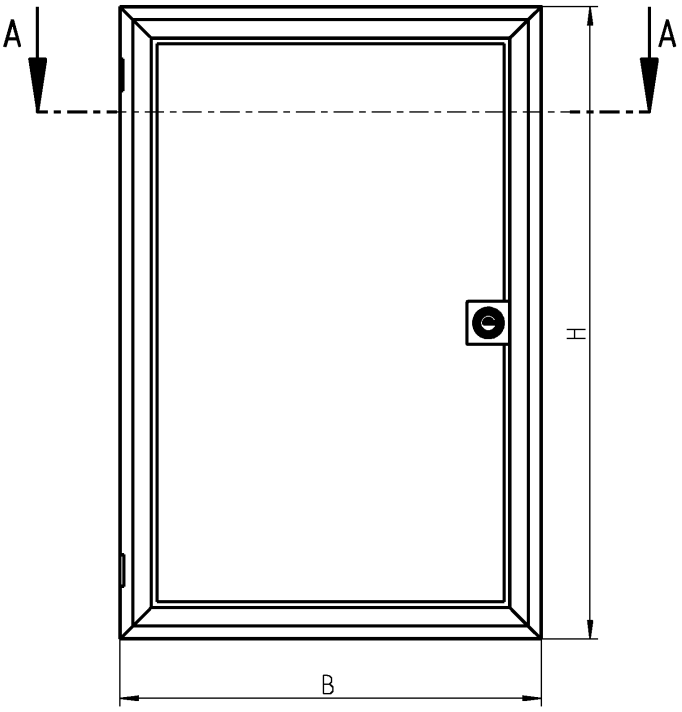
Aluminium window

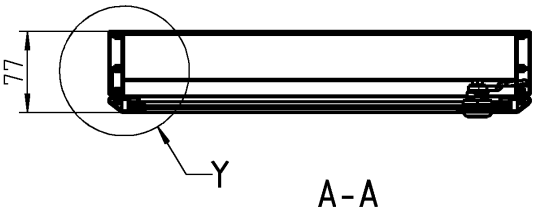
PROGRAM 1200

**Aluminium window with 61 mm frame,
with front-mounted cylinder lock**









A-A

Part number
B
H

Height in mm \ Width in mm	. . .	→700	→800	
. . .	..... . / .	..... / .	..... . / .	
→900	..... . / .	1200-U55-07 3/3	1200-U56-07 3/3	
→1000	..... . / .	1200-U55-08 3/3	1200-U56-08 3/3	

Number of locks
Number of hinges

Order example:
The request is for a window with the dimensions:
W = 620 mm, H = 840 mm.
Part number 1200-U55-07 620x840

Keyed EK333.
Keyed different on request.

For dimensions W and H, number of locks and hinges as well as part numbers, see opposite page.

Anodized aluminium window, polycarbonate glass 3 mm thick, lock zinc die black powder coated, with seal



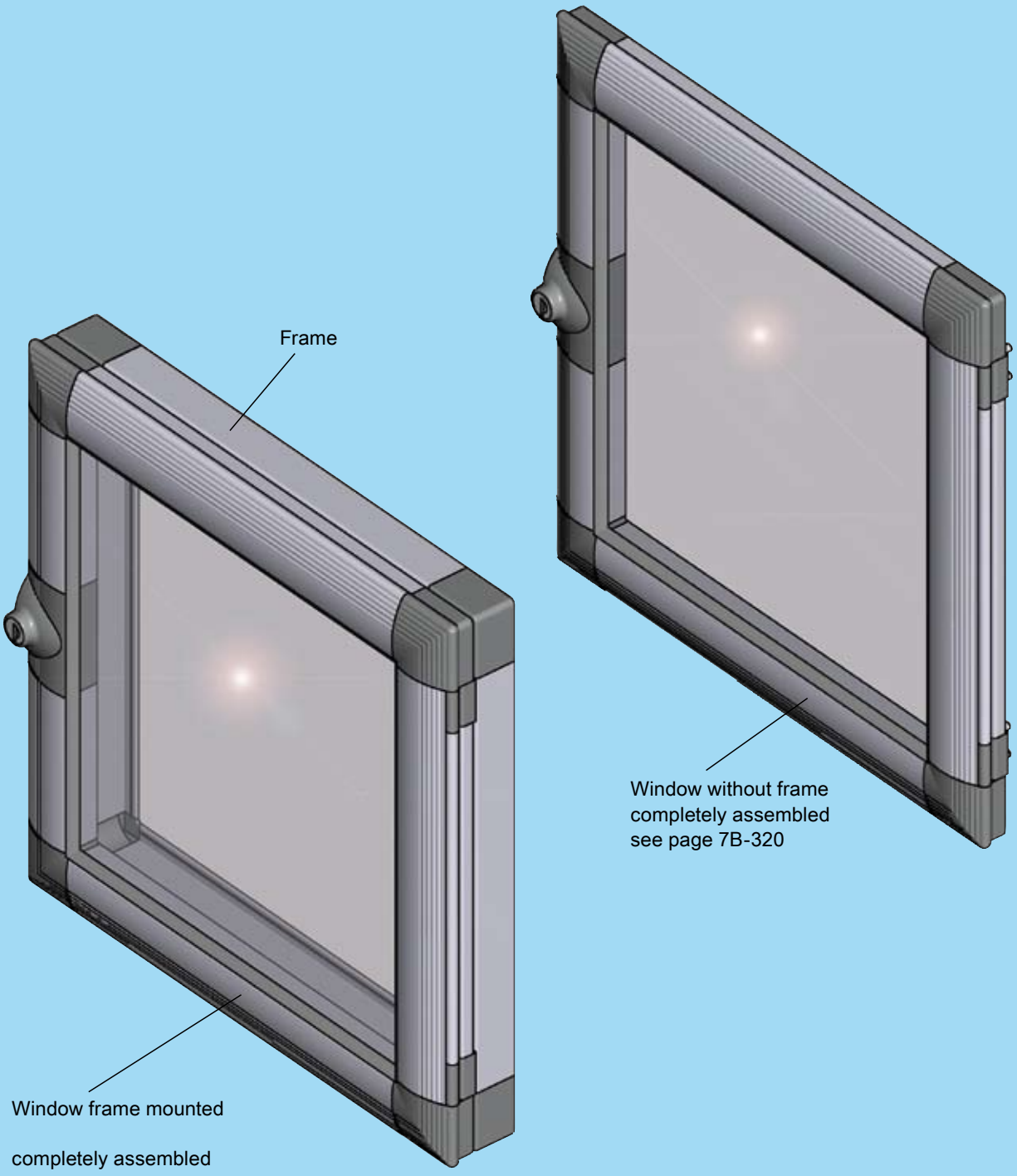
Height in mm \ Width in mm	300←	→400	→500	→600	→700	→800	→900	→1000	
300←	1200-U51-01 1/2	1200-U52-01 1/2	1200-U53-01 1/2	1200-U54-01 1/2	1200-U55-01 1/2				
→400	1200-U51-02 1/2	1200-U52-02 1/2	1200-U53-02 1/2	1200-U54-02 1/2	1200-U55-02 1/2				
→500	1200-U51-03 1/2	1200-U52-03 1/2	1200-U53-03 1/2	1200-U54-03 1/2	1200-U55-03 1/2				
→600	1200-U51-04 1/2	1200-U52-04 1/2	1200-U53-04 1/2	1200-U54-04 1/2	1200-U55-04 2/2				
→700	1200-U51-05 1/2	1200-U52-05 1/2	1200-U53-05 2/2	1200-U54-05 2/2	1200-U55-05 2/2	1200-U56-05 2/2			
→800	1200-U51-06 1/2	1200-U52-06 1/2	1200-U53-06 2/2	1200-U54-06 2/2	1200-U55-06 2/2	1200-U56-06 2/2			
→900	1200-U51-07 2/3	1200-U52-07 2/3	1200-U53-07 2/3	1200-U54-07 2/3	1200-U55-07 3/3	1200-U56-07 3/3	1200-U57-07 3/3		
→1000	1200-U51-08 2/3	1200-U52-08 2/3	1200-U53-08 2/3	1200-U54-08 2/3	1200-U55-08 3/3	1200-U56-08 3/3	1200-U57-08 3/3	1200-U58-08 3/3	
→1100		1200-U52-09 2/3	1200-U53-09 2/3	1200-U54-09 2/3	1200-U55-09 3/3	1200-U56-09 3/3	1200-U57-09 3/3	1200-U58-09 3/3	
→1200		1200-U52-10 2/3	1200-U53-10 2/3	1200-U54-10 2/3	1200-U55-10 3/3	1200-U56-10 3/3	1200-U57-10 3/3	1200-U58-10 3/3	
→1300			1200-U53-11 3/3	1200-U54-11 3/3	1200-U55-11 3/3	1200-U56-11 3/3	1200-U57-11 3/3	1200-U58-11 3/3	
→1400			1200-U53-12 3/3	1200-U54-12 3/3	1200-U55-12 3/3	1200-U56-12 3/3	1200-U57-12 3/3	1200-U58-12 3/3	
→1500			1200-U53-13 3/3	1200-U54-13 3/3	1200-U55-13 3/3	1200-U56-13 3/3	1200-U57-13 3/3	1200-U58-13 3/3	
→1600			1200-U53-14 3/3	1200-U54-14 3/3	1200-U55-14 3/3	1200-U56-14 3/3	1200-U57-14 3/3	1200-U58-14 3/3	
→1700				1200-U54-15 3/4	1200-U55-15 3/4	1200-U56-15 3/4	1200-U57-15 3/4	1200-U58-15 3/4	
→1800				1200-U54-16 3/4	1200-U55-16 3/4	1200-U56-16 3/4	1200-U57-16 3/4	1200-U58-16 3/4	
→1900					1200-U55-17 3/4	1200-U56-17 3/4	1200-U57-17 3/4	1200-U58-17 3/4	
→2000					1200-U55-18 3/4	1200-U56-18 3/4	1200-U57-18 3/4	1200-U58-18 3/4	

Opening angle 180°

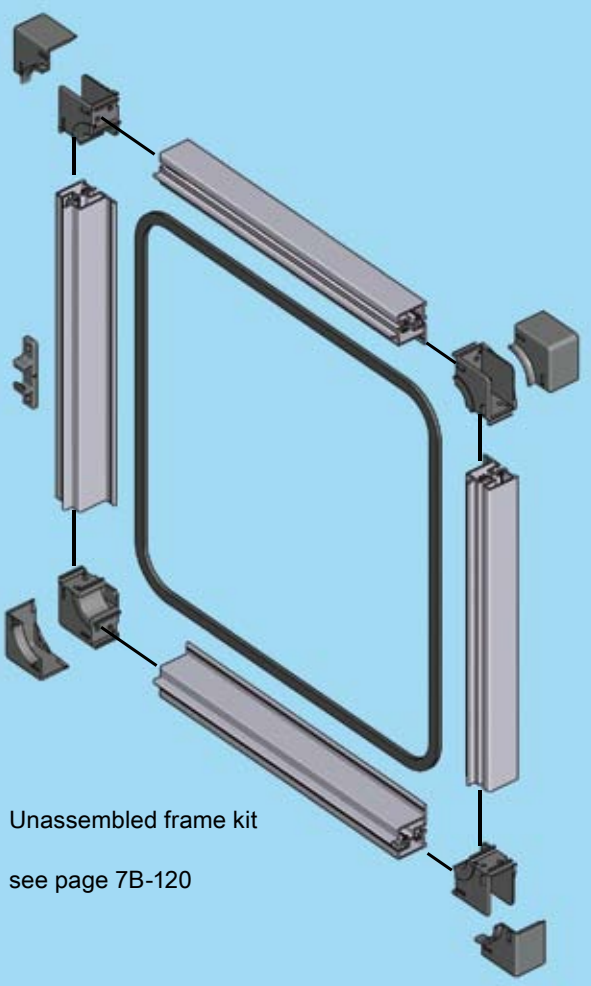
Information:
The framed articles are available on request with safety glass.

Can be assembled with gas springs on request

EMKA PRO*flex*
Aluminium window - with or without a frame
Program 1210

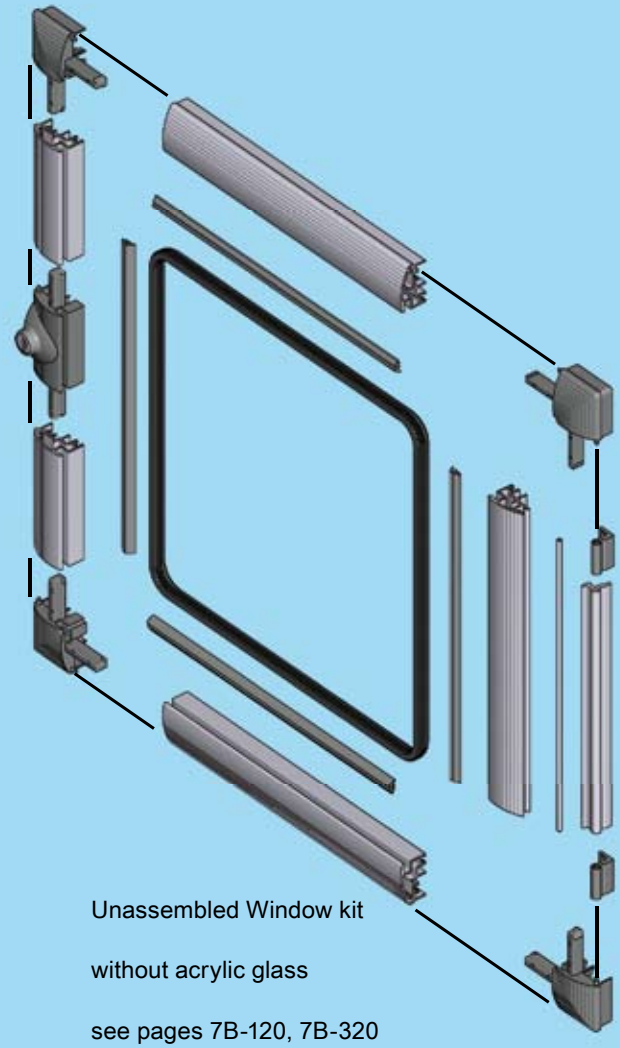


Aluminium window kit for self assembly



Unassembled frame kit

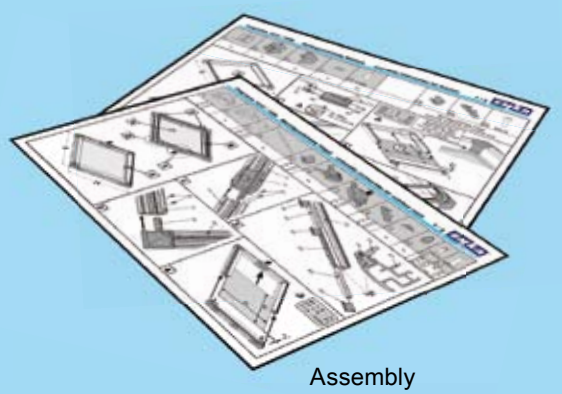
see page 7B-120



Unassembled Window kit

without acrylic glass

see pages 7B-120, 7B-320



Assembly instruction

EMKA®

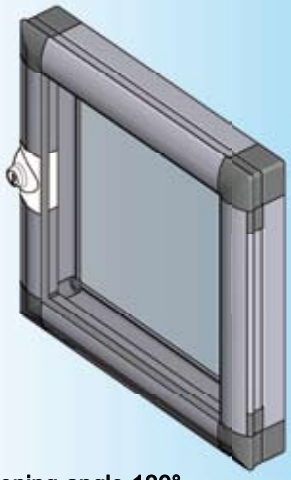
Beschlagteile

Aluminium window frame mounted 1210

PROGRAM 1210 EMKA PROflex

RL IP 54

Available fully assembled or as a kit



Opening angle 180°

IP 54 on request

Attention:
Please specify locking option separately!
(see page 7B-220)

Information:

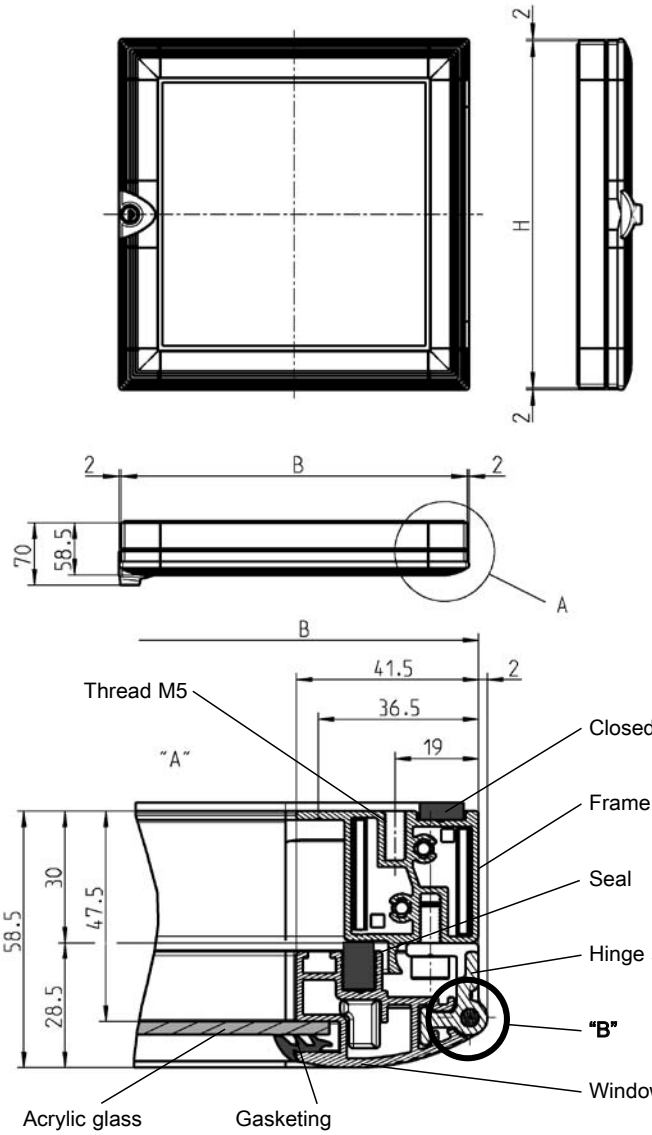
Thread M5 on rear side for mounting. Alternative mounting possible on front side.
(see page 7B-420)

Polycarbonate glass (for outdoor application) or safety glass on request.

Window sizes for applications with safety glass please see table on page 7B-520.

Window outer dimensions
Height from 300 to 2000 mm
Width from 200 to 1000 mm
Height - Side with hinge respectively lock.

Rear panels of 3.5 to 4 mm are possible!
Easy assembly.
Rear panel size
H minus 62 mm and
W minus 62 mm.



Order example:

Anodized aluminium window, corners and hinges zinc alloy black powder coated, caps polyamide black, hinge pin stainless steel, screws m. s. zinc plated, acrylic glass 3 mm, incl. gasketing and lock (please specify lock separately)

Please order:

Version 1: **Aluminium window assembled**
1210-U (Height) - (Width) = 1210-U 750-520

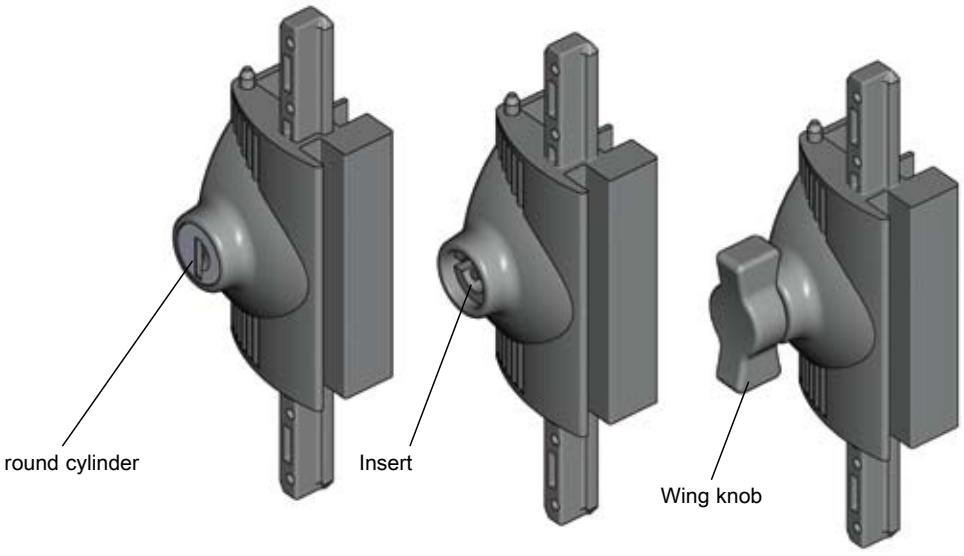
Version 2: **Aluminium window kit for self assembly**
1210-X (Height) - (Width) = 1210-X 750-520

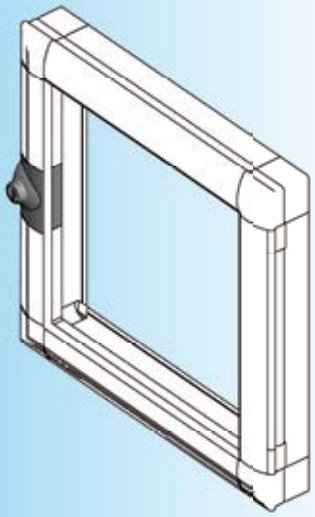
Anodized aluminium window, corners and hinges zinc alloy black powder coated, caps polyamide black, hinge pin stainless steel, screws m. s. zinc plated, acrylic glass 3 mm, incl. gasketing and lock (please specify lock separately)	
Aluminium window assembled, incl. acrylic glass	1210-U ..... - ..... (see order example)
Aluminium window kit for self assembly, without acrylic glass including assembly instructions (Size calculation for 3 mm acrylic glass: H minus 65 mm and W minus 65 mm)	1210-X ..... - ..... (see order example)

Further parts see page
– Latch 7B-220
Mounting dimensions see page 7B-420
Further ordering details see page 7B-520

Aluminium window: Lock 1215

PROGRAM 1210 EMKA PROflex





Standard assembly of locks is for right-hand aluminium windows.

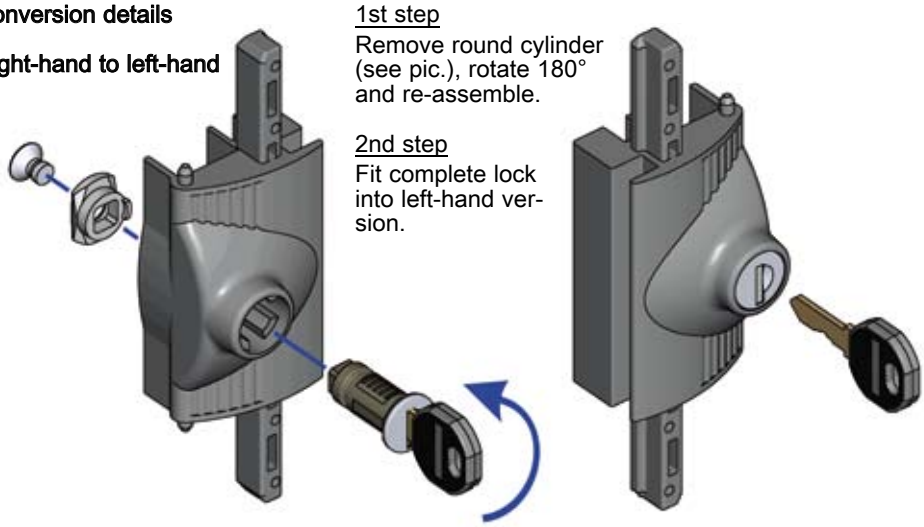
See conversion detail to change to left-hand version with round cylinder!

Conversion details

Right-hand to left-hand

1st step
Remove round cylinder (see pic.), rotate 180° and re-assemble.

2nd step
Fit complete lock into left-hand version.



Righ-hand version | Left-hand version

Ordering instructions:

Please only order one kind of lock:
the number of locks (1-3) depends on the size of the window!

Lock for aluminium window zinc alloy black powder coated, round cylinder with stainless steel cap and dust cap or insert zinc alloy black powder coated, cam zinc alloy raw, catch zinc alloy black powder coated, screws m. s. zinc plated. Each cylinder has one silver steel key with polyamide GF grip black.	
keyed EK 333	1215-U1
keyed different	1215-U1-V
Inserts	
Square 6	1215-U2-U322
Square 7	1215-U2-U323
Square 8	1215-U2-U324
Triangular 7	1215-U2-U325
Triangular 8	1215-U2-U326
Double bit 3	1215-U2-U327
Double bit 5	1215-U2-U328
Slot 2 x 4	1215-U2-U329
Slot 2 x 4 coinproof	1215-U2-U739
Wing knob	1215-U2-U78

Note:
Please order aluminium window separately!

Further parts see page
– Aluminium windows 7B-120
– Aluminium window without frame 7B-320

Further ordering details

see page 7B-520

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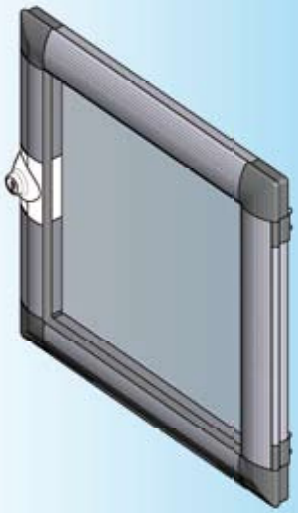
Beschlagteile

Aluminium window without frame 1220

PROGRAM 1210 EMKA PROflex

RL IP 54

Available fully assembled or as a kit



Opening angle 180°

IP 54 on request

Attention:
Please specify locking option separately!
(see page 7B-220)

Information:

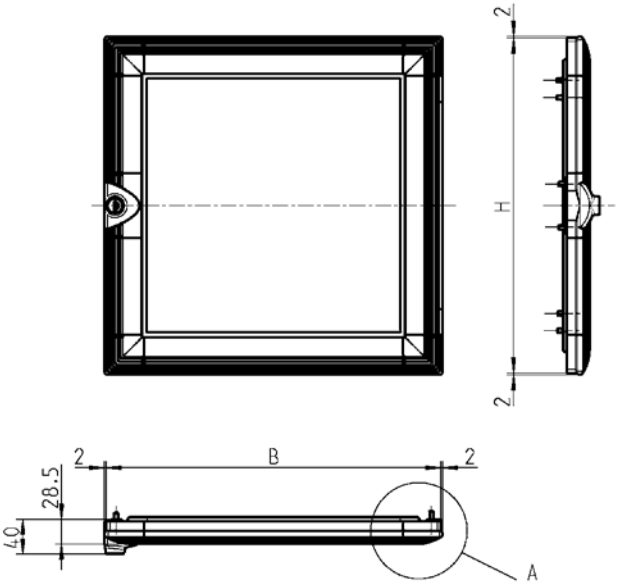
Mounting alternatives see page 7B-420

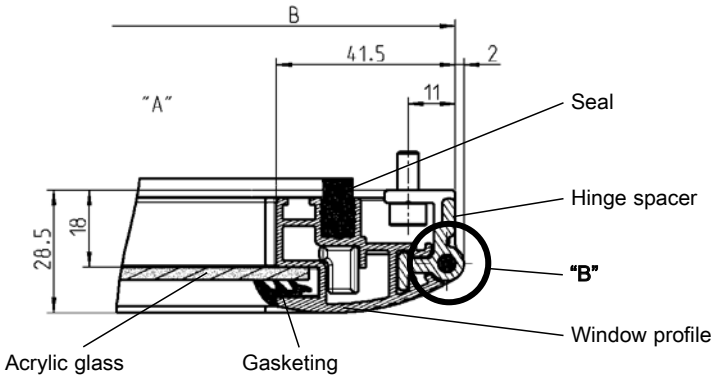
Polycarbonate glass (for outdoor application) or safety glass on request.

Window sizes for applications with safety glass please see table on page 7B-520.

Window outer dimensions
Height from 300 to 2000 mm
Width from 200 to 1000 mm
Height - Side with hinge respectively lock.

A frame as shown on page 7B-120 can be retrofitted any time!





Order example:

The request is for a window without frame with dimensions H = 750 mm and W = 520 mm.
Attention: Please note 2 mm projection of window on all sides (see detail "B")!

Please order:

Version 1: **Aluminium window assembled**
1220-U (Height) - (Weidth) = 1220-U 750-520

Version 2: **Aluminium window kit for self assembly**
1220-X (Height) - (Weidth) = 1220-X 750-520

Further parts see page
– Latch 7B-220
Mounting dimensions
see page 7B-420
Further ordering details
see page 7B-520

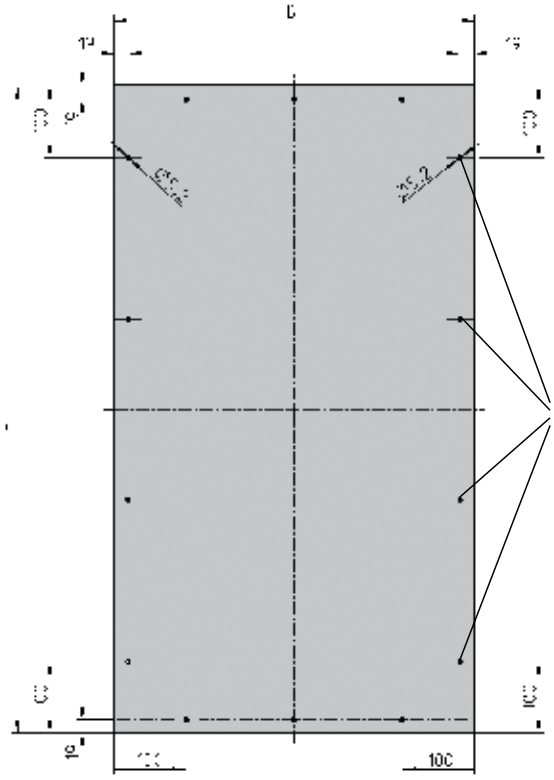
Anodized aluminium window, corners and hinges zinc alloy black powder coated, hinge pin stainless steel, screws m. s. zinc plated, acrylic glass 3 mm, incl. gasketing and lock (please specify lock separately)	
Aluminium window assembled, incl. acrylic glass	1220-U ..... - ..... (see order example)
Aluminium window kit for self assembly without acrylic glass including assembly instructions (see order example) (Size calculation for 3 mm acrylic glass: H minus 65 mm and W minus 65 mm)	1220-X ..... - ..... (see order example)

Mounting specification for 1210 and 1220

PROGRAM 1210 EMKA PROflex

Mounting specification for aluminium window with frame 1210:
Rear mounting.

More mounting points depending on size of window and according to client requests.



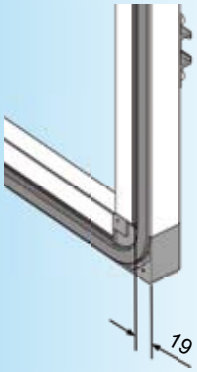
Distance between mounting points approx.

250 mm in to M5 thread gutter

Attention:
max. torque for screw = 3Nm

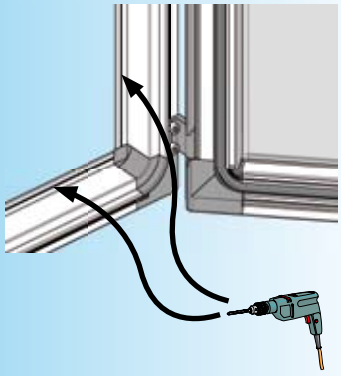
Fixing dimensions for window with frame

Rear mounting.



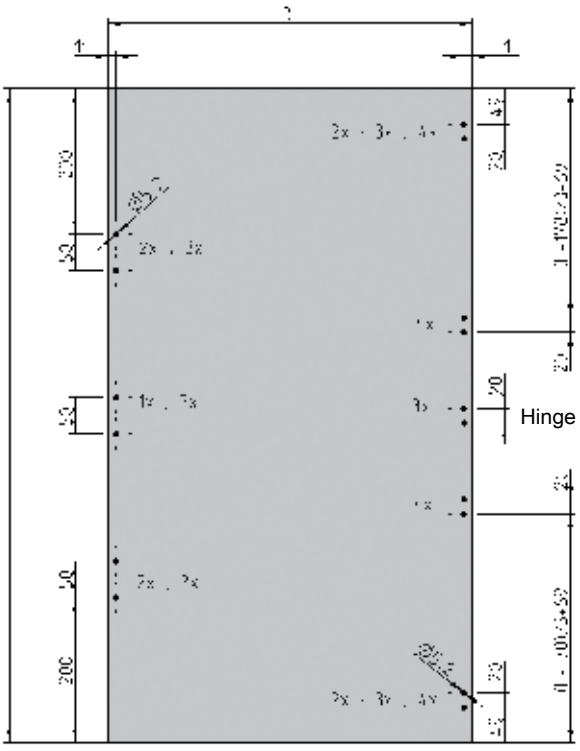
see mounting specification

Front mounting



Mounting according to customer requests.

Mounting specification for aluminium window without frame 1210:
Front mounting



Lock side

Hinge side

Mounting dimensions for window without frame

Note:

Mounting point references 2x, 3x, 4x relate to the number of hinges and locks.

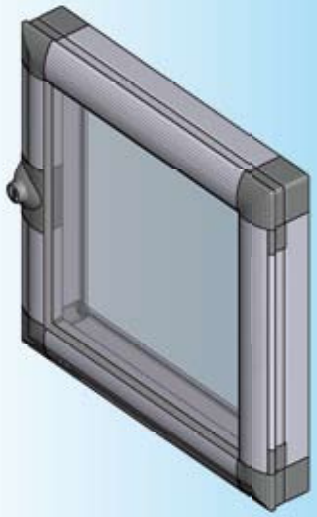
Further parts see page
– Aluminium window 7B-120
– Aluminium window without frame 7B-320

EMKA

Beschlagteile

®Aluminium window - with frame, aluminium window 1220

PROGRAM 1210 EMKA PROflex



Order example:

The request is for an aluminium window, frame mounted and assembles with the dimensions H = 750 mm and W = 520 mm with lock "3mm double-bit insert".

Please order:

One aluminium window 1210-U(height) - (width) = 1210-U 750-520 + 1215-U2-U327

Number of locks and hinges:
The number of locks and hinges depends on the window dimensions. To find the exact number please round the dimensions up to the next hundred mm section. Necessary quantity see table below.
Use the same principle with the price list.

Explanation for locks and hinges specification:

Aluminium window frame mounted example:
Part number 1210-U 750-520 => 800-600 => 1 lock and 2 hinges

Aluminium window without frame example:
Part number 1220-U 750-520 => 800-600 => 1 lock and 2 hinges

IP 54 on request

Information:

Window with frame 1210
Can be assembled with gas springs on request.

The framed articles are available with safety glass.

Width in mm / Height in mm	→300	→400	→500	→600	....
→400	1/2	1/2	1/2	1/2	....
→500	1/2	1/2	1/2	1/2	....
→600	1/2	1/2	1/2	1/2	....
→700	1/2	1/2	1/2	1/2	....
→800	1/2	1/2	1/2	1/2	....
....	....	....	....	....	....

Number of locks — Number of hinges

Width in mm / Height in mm	→300	→400	→500	→600	→700	→800	→900	→1000	
→400	1/2	1/2	1/2	1/2	1/2	req.	req.	req.	
→500	1/2	1/2	1/2	1/2	1/2	req.	req.	req.	
→600	1/2	1/2	1/2	1/2	1/2	req.	req.	req.	
→700	1/2	1/2	1/2	1/2	1/2	1/2	req.	req.	
→800	1/2	1/2	1/2	1/2	1/2	1/2	req.	req.	
→900	2/3	2/3	2/3	2/3	2/3	2/3	2/3	req.	
→1000	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1100	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1200	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1300	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1400	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	
→1500	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→1600	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→1700	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→1800	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→1900	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
→2000	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	

Further parts see page

– Aluminium window 7B-120
– Latches 7B-220
– Aluminium window 7B-320

req. = on request

Aluminium doors
Program 1300



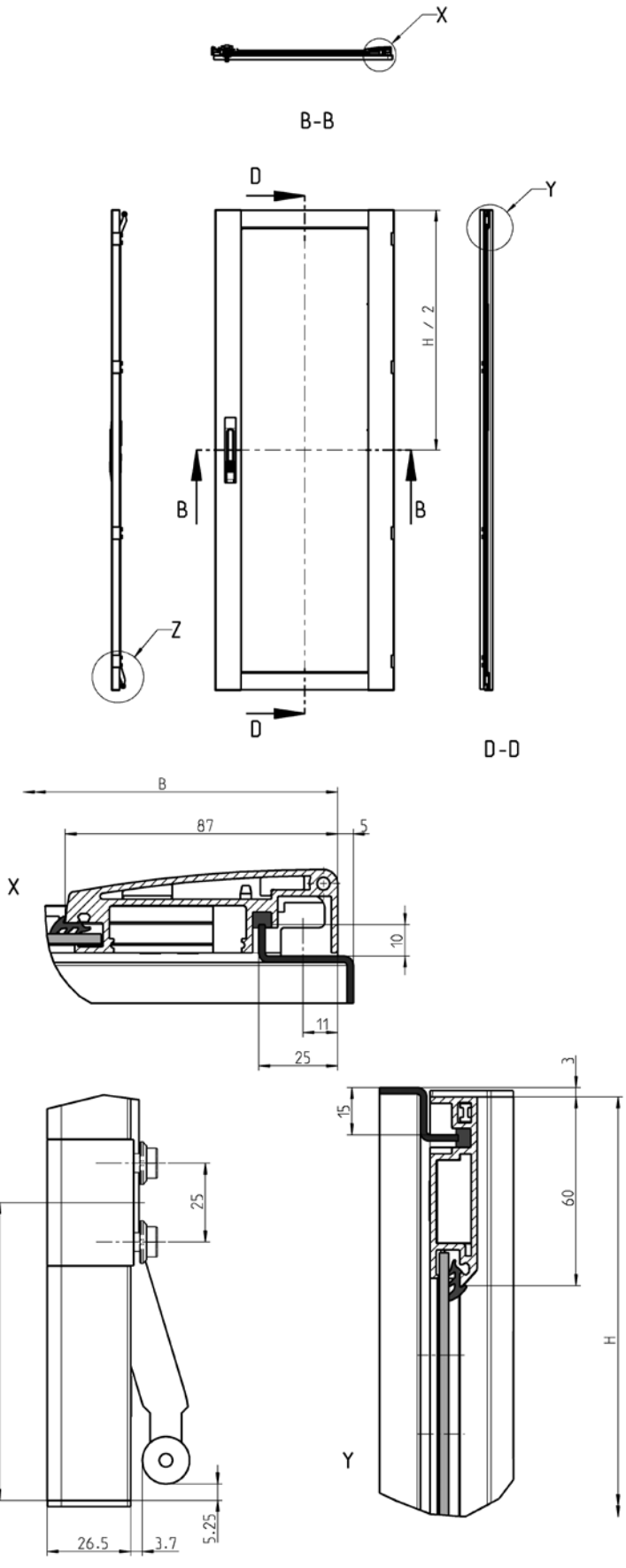
EMKA®

Aluminium doors

Beschlagteile

PROGRAM 1300





Manufacturing sizes (H x W):
Height from 400 to 2000
Width from 400 to 1000

Opening angle 180°
for single cabinets.

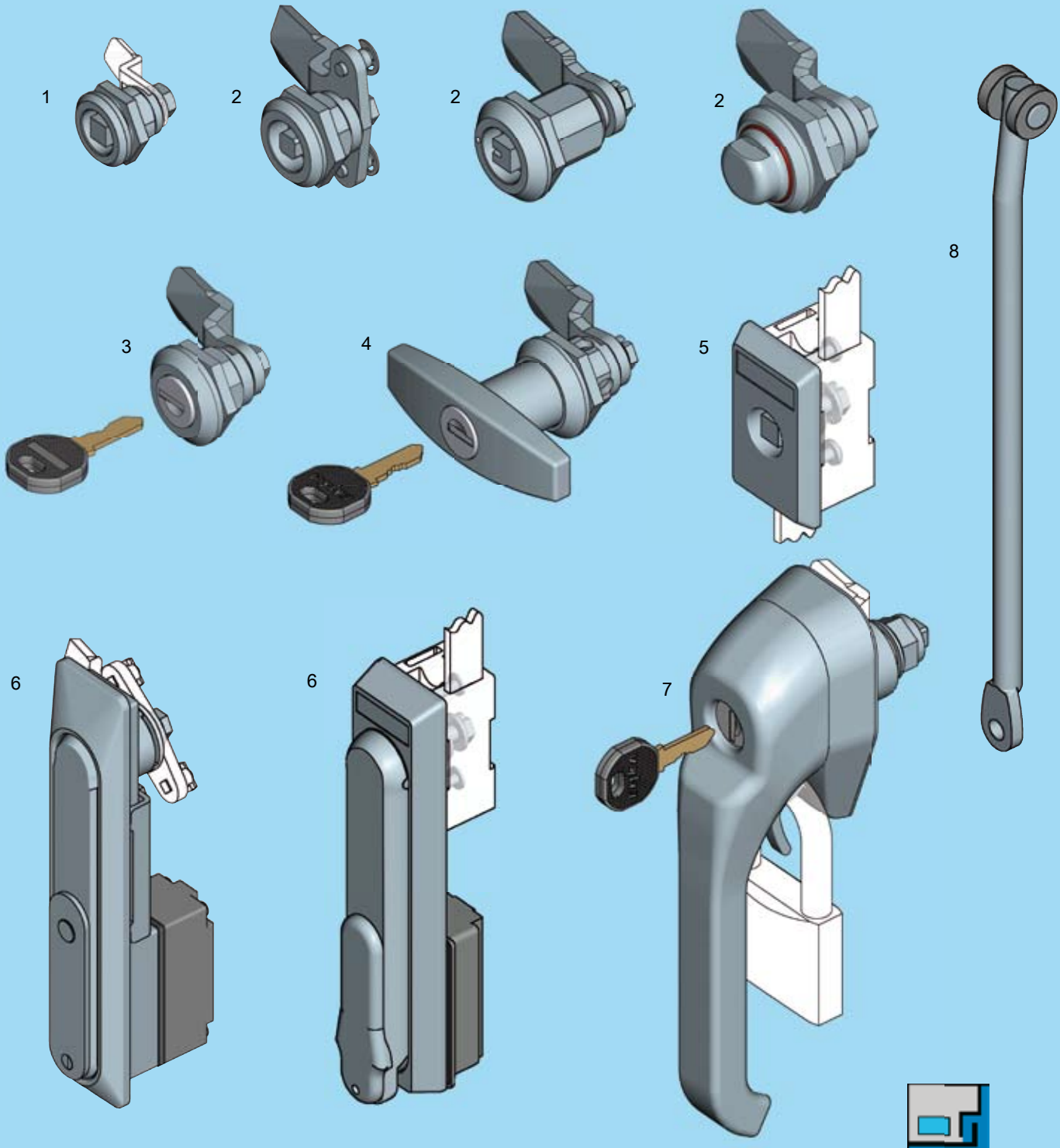
Opening angle < 120°
for in-line cabinets.

Further parts see page
– Locking set 3XA-120
3XA-240

Complete door anodized aluminium, acrylic glass, swinghandle 1180 polyamide black, hinges and edge connectors zinc alloy black p.c., cam (three-point-latch) and rod locking m.s. zinc plated, with seal.

1300-U1-BxH

Stainless steel locks



1	Quarter turn small	Program 1022	8A-120
2	Quarter turns	Program 1000	8A-220 to 8A-244, 8A-290
3	Quarter turn with cylinder	Program 1000	8A-250
4	Handle	Program 1000	8A-260, 8A-280
5	Escutcheon	Program 1000	8A-510, 8A-520
6	Swinghandle	Program 1125, 1150	8A-620 to 8A-680
7	Heavy duty latch	Program 1091	8A-840
8	Rod	Program 1000	8A-360

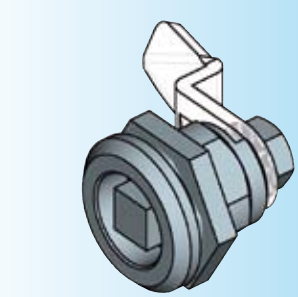
further articles such as cam, bearing bush, rod control, rod guide

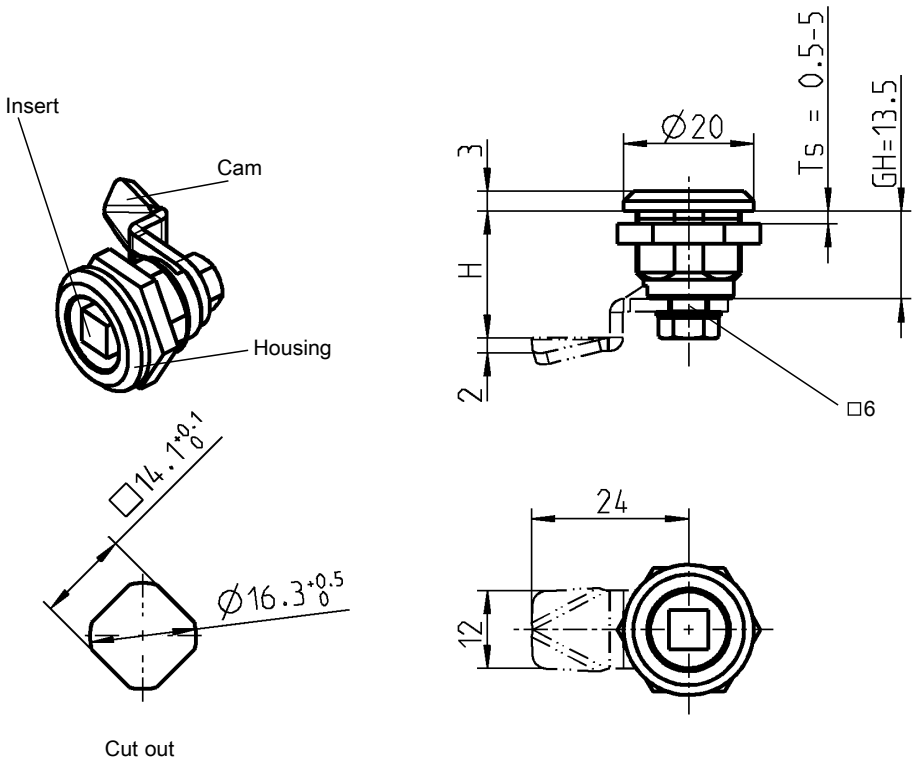
EMKA®

Beschlagteile

Quarter turn stainless steel

PROGRAM 1022





Cut out

Housing with nut AISI 303	
	1022-U60
Insert with screw and wave washer 303	
Square 6	1022-U61
Triangular 6,5	1022-U62
Slot 1,5	1022-U63
Blank	1022-U64
IP 65 with:	
O-ring	1022-09
Flat seal	1022-10
Assembly on request	
without O-ring	1022-990
with O-ring	1022-991

Application:
Small doors and covers

Further parts see page

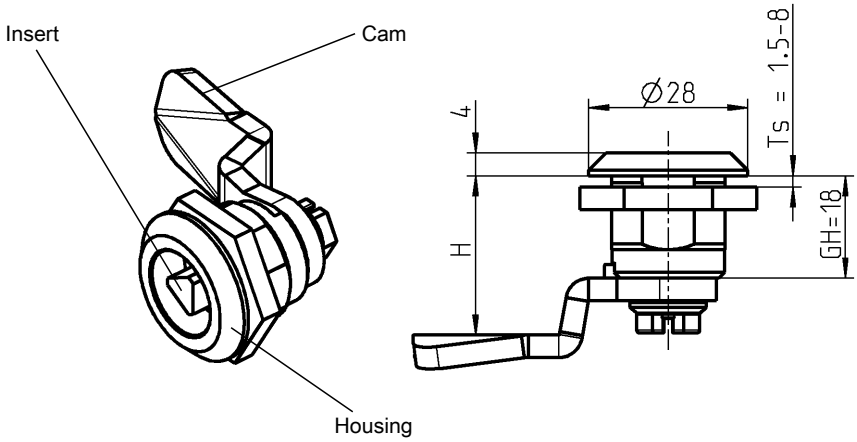
– Cam	1A-120
– Key	12B-120
– Dust cap	1A-120

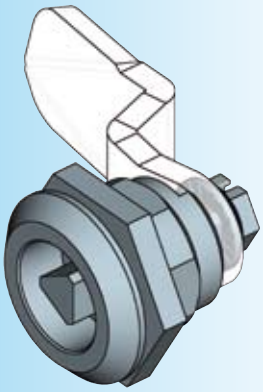
Quarter turn stainless steel

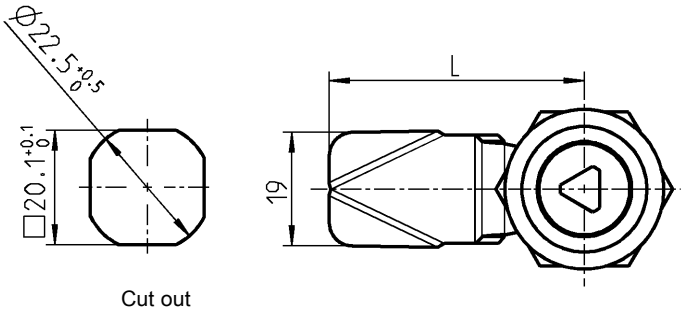
PROGRAM 1000











Cut out

Housing material on choice: stainless steel with foamed seal or polyamide with O-ring, stainless steel nut		
AISI 303	AISI 316	polyamide black
1000-U134	1000-U530	1000-U156

Insert with screw and wave washer stainless steel, with O-ring					
	AISI 303	AISI 316		AISI 303	AISI 316
Square 6	1000-U351	–	Double bit 5	1000-U137	1000-U534
Square 7	1000-U135	1000-U531	Slot 2 x 4	1000-U630	1000-U631
Square 8	1000-U136	1000-U532	Eastern Europe Ø 13	1000-U729	–
Square 8 slotted	1000-U352	–			
Triangular 7	1000-U334	1000-U536	Star handle	1000-U138	–
Triangular 8	1000-U335	1000-U537	Wing knob	1000-U510	–
Double bit 3	1000-U183	1000-U533			

Assembly on request:	
with O-ring	1000-991

Note:
Quarter turn assembly 1B-105

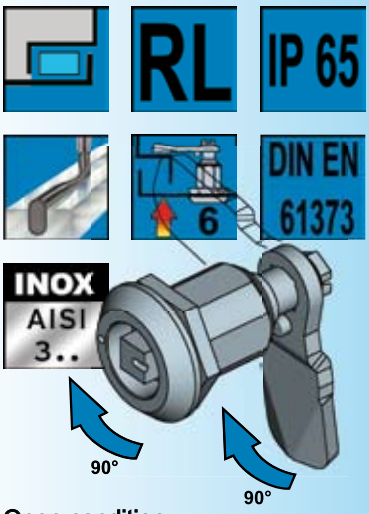
Further parts see page
– Cam 8A-320, 8A-340
– Key 12B-120
– Dust cap 1C-320

EMKA®

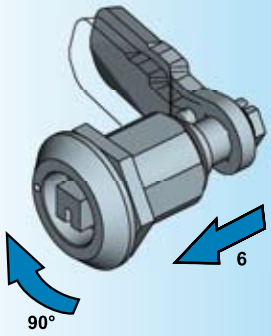
Beschlagteile

Compression latch stainless steel

PROGRAM 1000



Open condition
The first 90° of rotation of the insert also turns the cam 90°.



Closed position
The second 90° of rotation of the insert draws the cam toward the door 6 mm axially.



Compressed condition

Unlock:
Reversed rotation

Note:
Further inserts on request

Further parts see page

– Accessories	1C-320
– Escutcheon	3B-140
– Key	12B-120

EDELSTAHL Rostfrei STAINLESS STEEL

Vibration proof

The compression latch is of vibration-proof design.
Depending on the installation location and operational conditions specific checks are necessary and/or supplementary measures of fastening required.

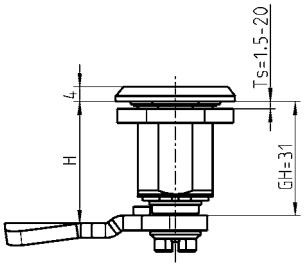


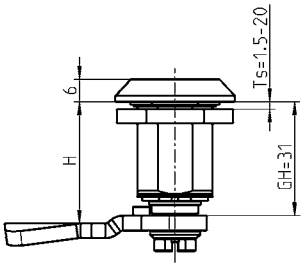
with arrow and red - green mark

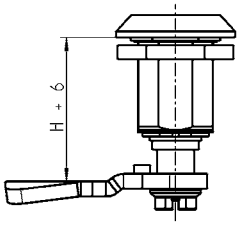


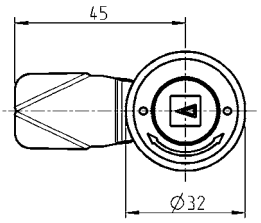
with mark

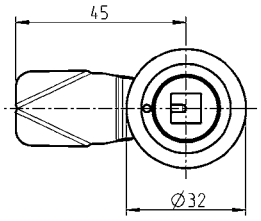
Note:
The H-dimension will be reduced by 2 mm when used with finger pull
(see page 1C-320)

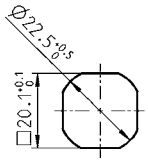










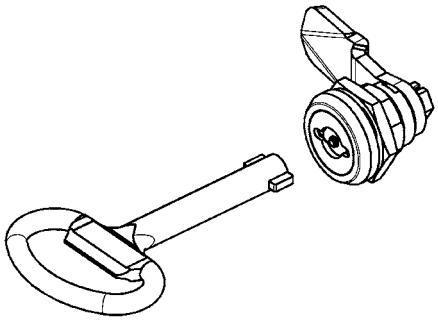


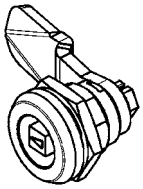
Cut out

Compression latch with arrow and red - green mark AISI 316, with spring and flat seal	
Square 8 right-hand version	1000-U834-REPH
Square 8 left-hand version	1000-U834-LIPH
Compression latch AISI 316, with spring and gasket	
Square 8 with mark	1000-U755-01
Double bit 3	1000-U749-01
Double bit 5	1000-U748-01
Slot 2 x 4	1000-U777-01
Cam AISI 304	
H	**GH = 31**
19	1000-221
23	1000-223
27	1000-225
31	1000-227
33	1000-228
35	1000-179
37	1000-229
39	1000-230
41	1000-180

Safety quarter turn

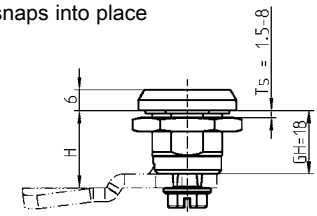
PROGRAM 1000

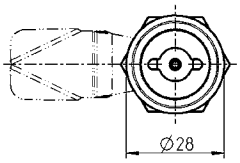


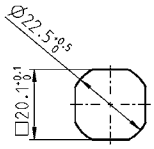


By pressing down the insert, the cam can be turned

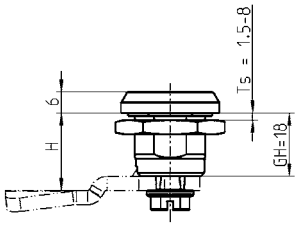
Cam snaps into place

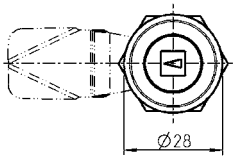


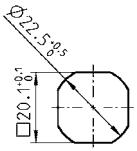




Cut out







Cut out



Safety quarter turn

This lock is of vibration proof design. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

With the double bit version the key is captive in the unlocked position.

Hole for double bit acc. to DIN 43668.

The whole range is IP 65 (DIN 40050).

Only available with pre-assembled cam.

Housing with insert, screw and nut AISI 303, with seal

	without	with
	Dust cap	
Double bit 3 mm RH version	1000-U714-01	1000-U725
Double bit 3 mm LH version	1000-U715-01	1000-U726
Double bit 5 mm RH version	1000-U716-01	1000-U727
Double bit 5 mm LH version	1000-U717-01	1000-U728
Square 6 mm RH/LH version	1000-U718-01	–
Square 7 mm RH/LH version	1000-U719-01	–
Square 8 mm RH/LH version	1000-U720-01	–
Triangular 7 mm RH/LH version	1000-U721-01	–
Triangular 8 mm RH/LH version	1000-U722-01	–
Slot 2x4 mm RH/LH version	1000-U723-01	–
Eastern Europe Ø half round 90° and 180° RH/LH	1000-U724-01	–
Railroad RH/LH	1000-U710-01	–
Ø 8,6 with slot RH/LH	1000-U712-01	–

Further parts see page

– Cam 8A-320
8A-340
(not suited for stainless steel slam cam)
– Key 12B-120
– Dust cap 1C-320
– Escutcheon polyamide (1072-U15) 12D-120

EMKA

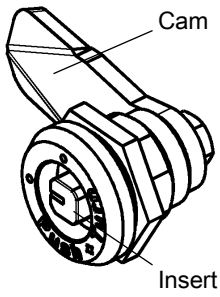
Beschlagteile

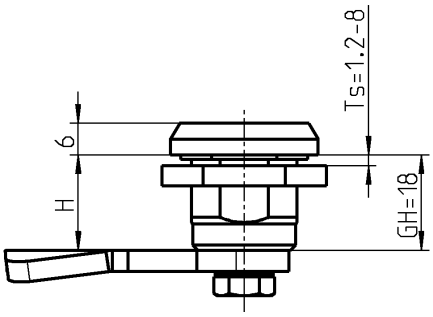
®Stainless steel safety quarter turn without mask

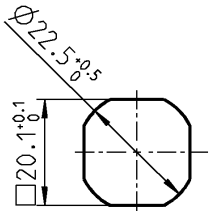
PROGRAM 1000



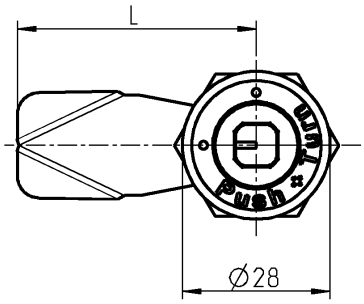








Cut out





Push and turn insert

Housing and insert AISI 316, nut and screw stainless steel, with spring and seal	
Square 6	1000-U817-01PH
Square 7	on request
Square 8	1000-U817-03PH
Square 8 slotted	on request
Triangular 6,5 CNOMO	on request
Triangular 7	on request
Triangular 8	1000-U817-05PH
Triangular 9	on request
Triangular 10	1000-U817-07PH
Double bit 3	on request
Double bit 5	on request
Hexagon female 8mm	1000-U817-24PH
Hexagon female 10mm	on request
Square female 6mm	on request
Square female 7	on request
Square female 8	on request
Daimler Benz	on request
Slot 1,2 x 3	on request
Slot 2 x 4	on request
Slot 2 x 4 coinproof	on request
Crown type	on request
Eastern Europe Ø 13	on request
Hexagon female 8mm with pin	on request
Railway version	on request
Cam AISI 304 (without stop)	
	on request

Safety quarter turn:
This lock is of vibration proof design. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

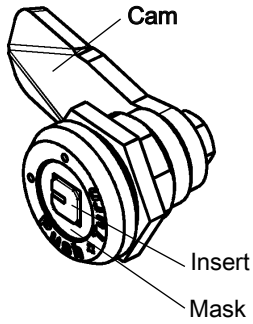
Note:
Only cams without a stop can be used!
The H-dimension will be reduced by 2 mm when with finger pull installed (see catalogue page 1C-320).

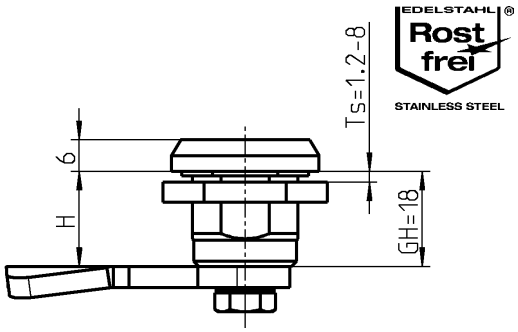
Further parts see page

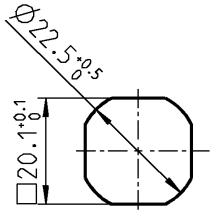
– Accessories 1C-320 up to 1C-380
– Key 12B-120

Stainless steel safety quarter turn with mask

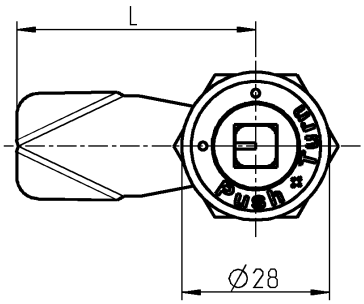
PROGRAM 1000

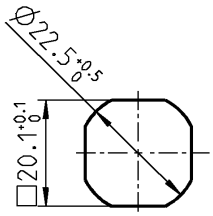




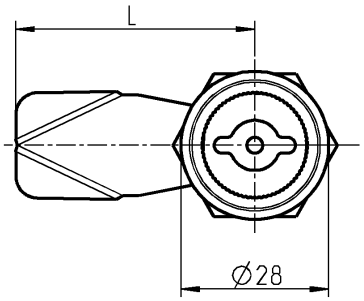


Cut out





Cut out







Insert square or triangular



Insert double bit

Push and turn insert

Housing and insert AISI 316, nut and screw stainless steel, with spring and seal	
Square 6	on request
Square 7	on request
Square 8	on request
Square 8 slotted	on request
Triangular 6,5 CNOMO	on request
Triangular 7	on request
Triangular 8	on request
Triangular 9	on request
Triangular 10	on request
Housing and insert AISI 316, mask stainless steel, nut and screw stainless steel, with spring and seal	
Double bit 3 mm RH version	on request
Double bit 3 mm LH version	on request
Double bit 5 mm RH version	on request
Double bit 5 mm LH version	on request
Cam AISI 304 (without stop)	
	on request

Safety quarter turn:
This lock is of vibration proof design. Depending on the installation location and operational conditions, specific checks are necessary and/or supplementary measures of fastening required.

Version double bit: Key only removable in locked position.

Keyhole for double bit according to DIN 43668.

Note:
Only cams without a stop can be used!
The H-dimension will be reduced by 2 mm when a finger pull is installed (see catalogue page 1C-320).

Further parts see page
– Accessories 1C-320 up to 1C-380
– Key 12B-120

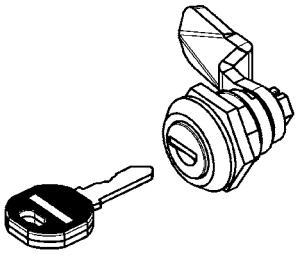
EMKA®

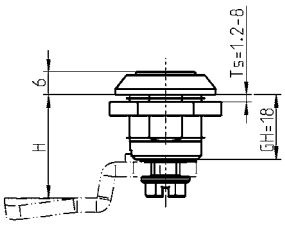
Beschlagteile

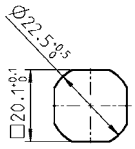
Stainless steel quarter turn with cylinder

PROGRAM 1000

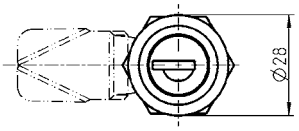








Cut out



Key removable in both positions.

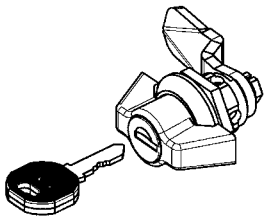
Further parts see page

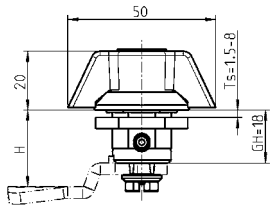
– Cam	8A-320
– Key	12B-140

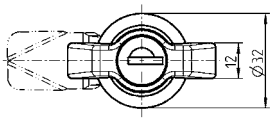
Quarter turn with cylinder AISI 316, round cylinder, screw and washer stainless steel. Each cylinder has one silver steel key with polyamide GF grip black.	
keyed EK 333	1048-U6-PH
keyed different	on request

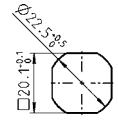
Handle stainless steel

PROGRAM 1000









Cut out

EDELSTAHL Rostfrei STAINLESS STEEL

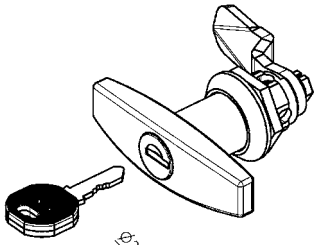
RL IP 65

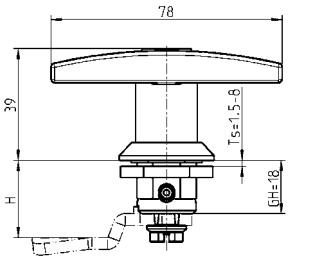
INOX AISI 3..

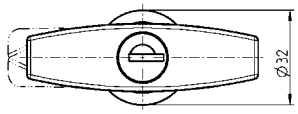


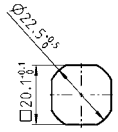
Wingknob quarter turn AISI 316, with seal

	non locking	keyed EK 333	keyed different
	1000-U665	1000-U150-PH	1000-U151-PH



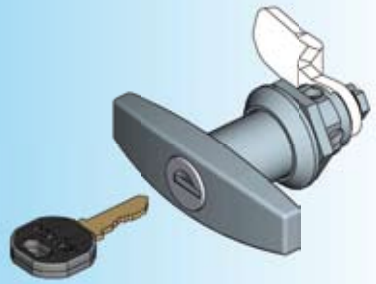






Cut out

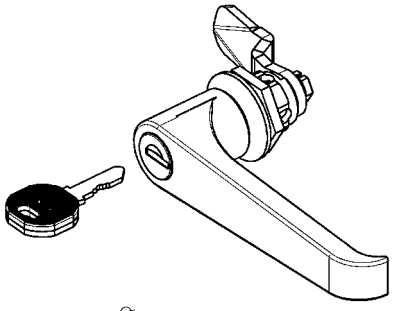
EDELSTAHL Rostfrei STAINLESS STEEL

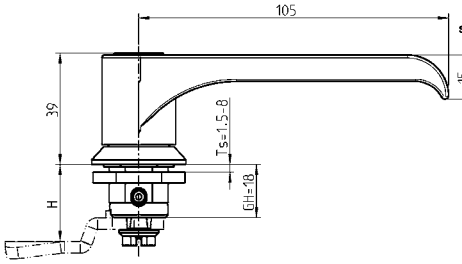


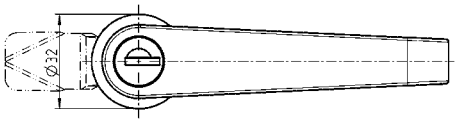
T-handle quarter turn AISI 316, with seal

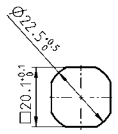
	non locking	keyed EK 333	keyed different
	1000-U664	1000-U10-PH	1000-U11-PH

Each cylinder with one key silver steel with polyamide grip black. Key removable in both positions.



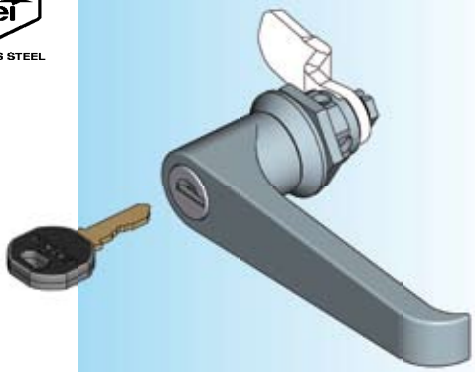






Cut out

EDELSTAHL Rostfrei STAINLESS STEEL



L-handle quarter turn AISI 316, with seal

	non locking	keyed EK 333	keyed different
	1000-U658	1000-U15-PH	1000-U16-PH

Further parts see page

– Cam	8A-320
– Dust cap for T-handle	1C-340
– Spare key	12B-140

EMKA

Beschlagteile

®Stainless quarter turn for padlock; Stainless D - Ring quarter turn

PROGRAM 1000, 1098

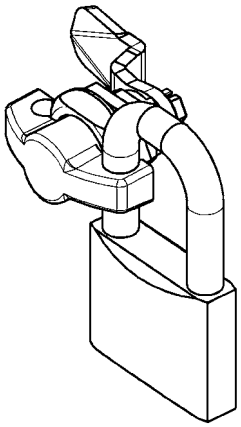


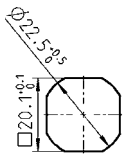


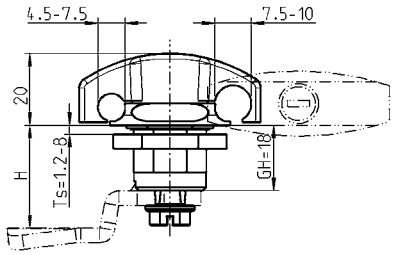


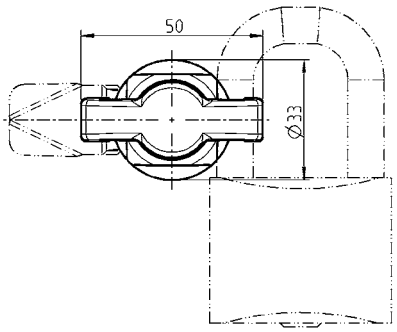








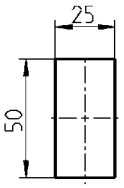


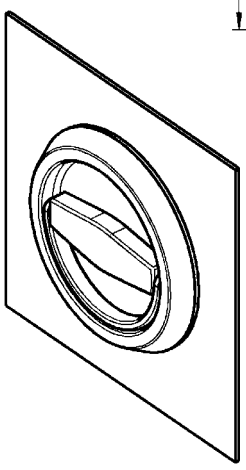


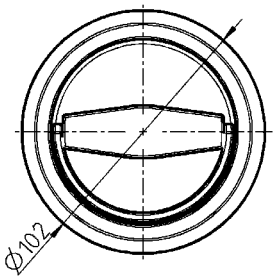
Wing knob quarter turn AISI 316

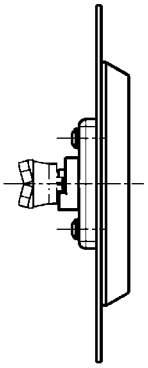
	1000-U429-01PH

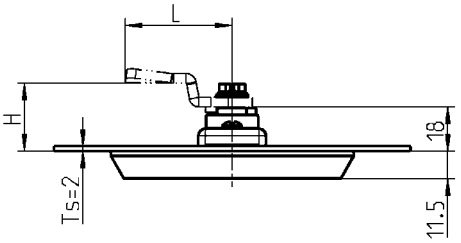












D - Ring quarter turn AISI 316 Ti

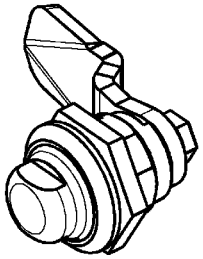
	1098-U2

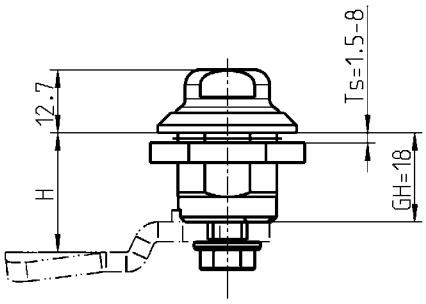
Further parts see page
– Cam 8A-320

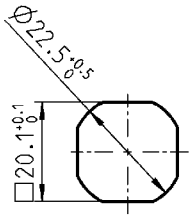
Quarter turn for hygienic areas

PROGRAM 1000

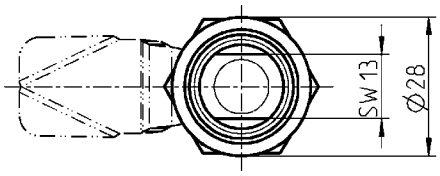
EDELSTAHL Rostfrei STAINLESS STEEL







Cut out







Note:
The quarter turn for hygienic applications fulfills the hygiene demands acc. to DIN EN 1672-2 and DIN EN 14159

Quarter turn AISI 316 Ti, with seal	
	1000-U838
Key zinc die raw	
	1004-53

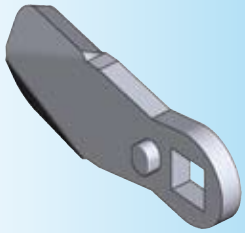
Further parts see page
– Cam 8A-320

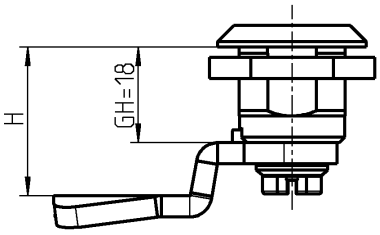
EMKA®

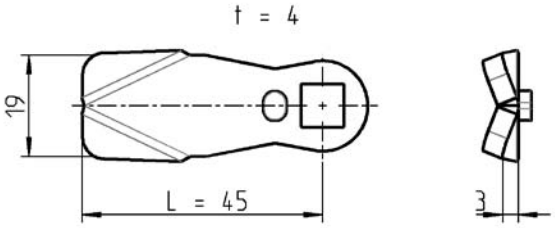
Beschlagteile

Cam stainless steel

PROGRAM 1000

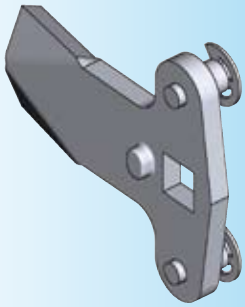


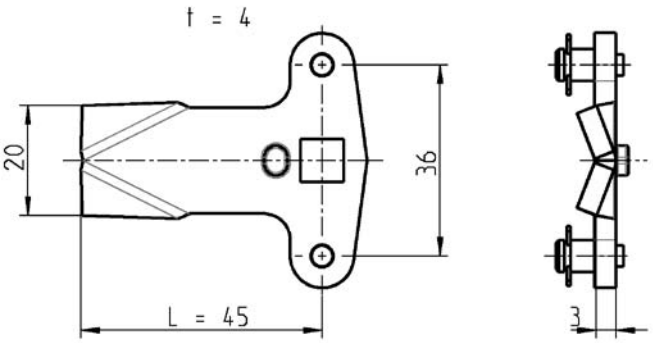




Cam AISI 304			
H in mm		H in mm	
6	1000-221	22	1000-179
10	1000-223	24	1000-229
14	1000-225	26	1000-230
18	1000-227	28	1000-180
20	1000-228		

for GH=18





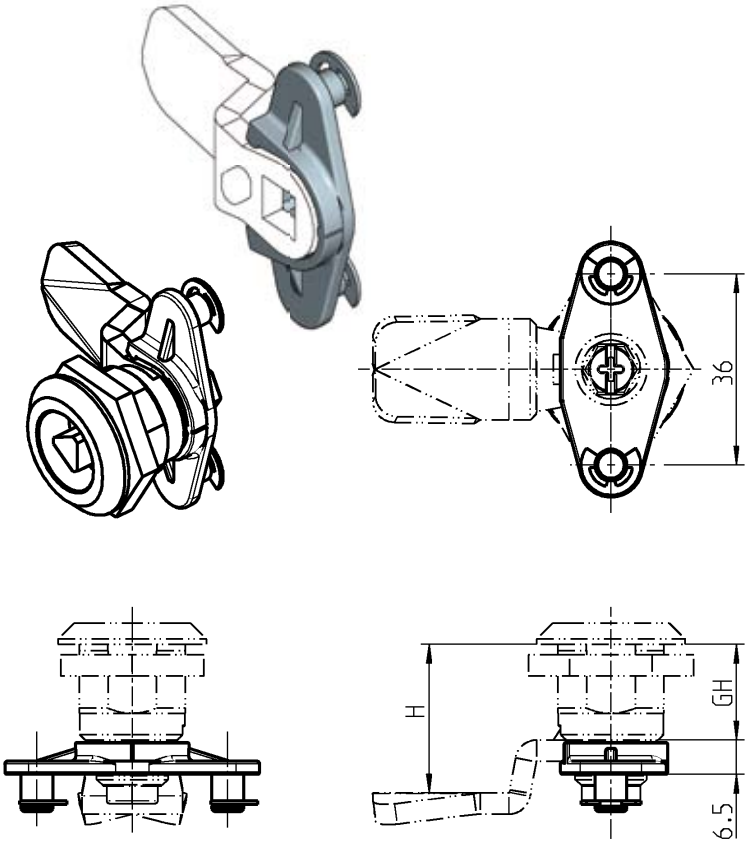
3-point cam AISI 304	
H in mm	
22	1000-U139
28	1000-U140

Further parts see page
– Rod 8A-360
– Quarter turns 8A-220
8A-240
8A-250
up to 8A-290

Stainless steel rod control
Stainless steel slam cam

PROGRAM 1000

Stainless steel rod control

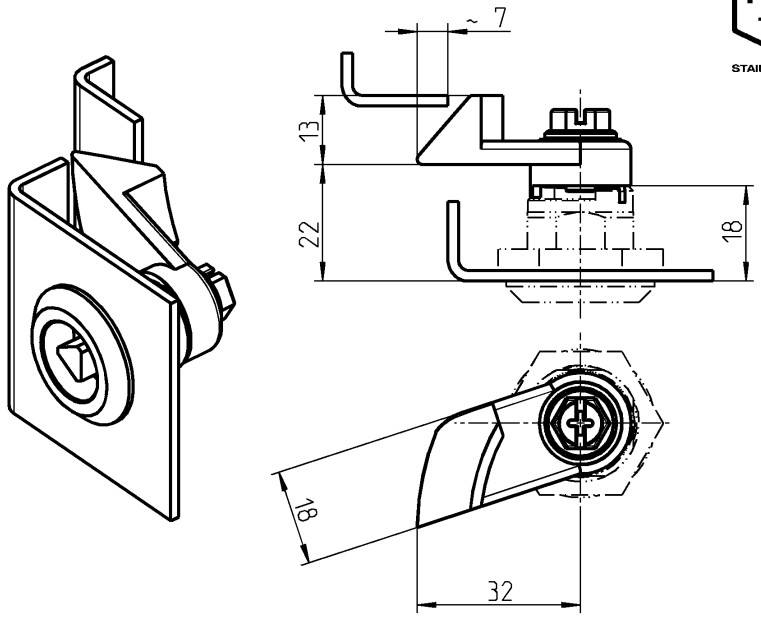


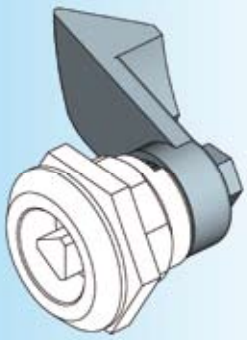


Further parts see page
– Cam 8A-320
– Rod 8A-360

3-point rod control for cams program 1000 AISI 316	
	1000-U776-PH

Stainless steel slam cam





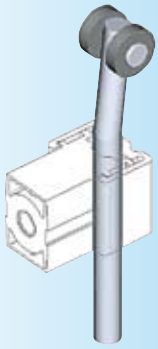
Slam cam AISI 316, spacer, screw stainless steel		
for quarter turn see catalogue page	RH	LH
8A-220	1000-U235-NPH	1000-U236-NPH

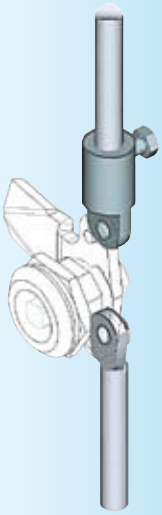
EMKA®

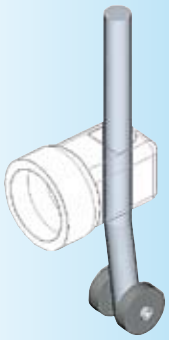
Beschlagteile

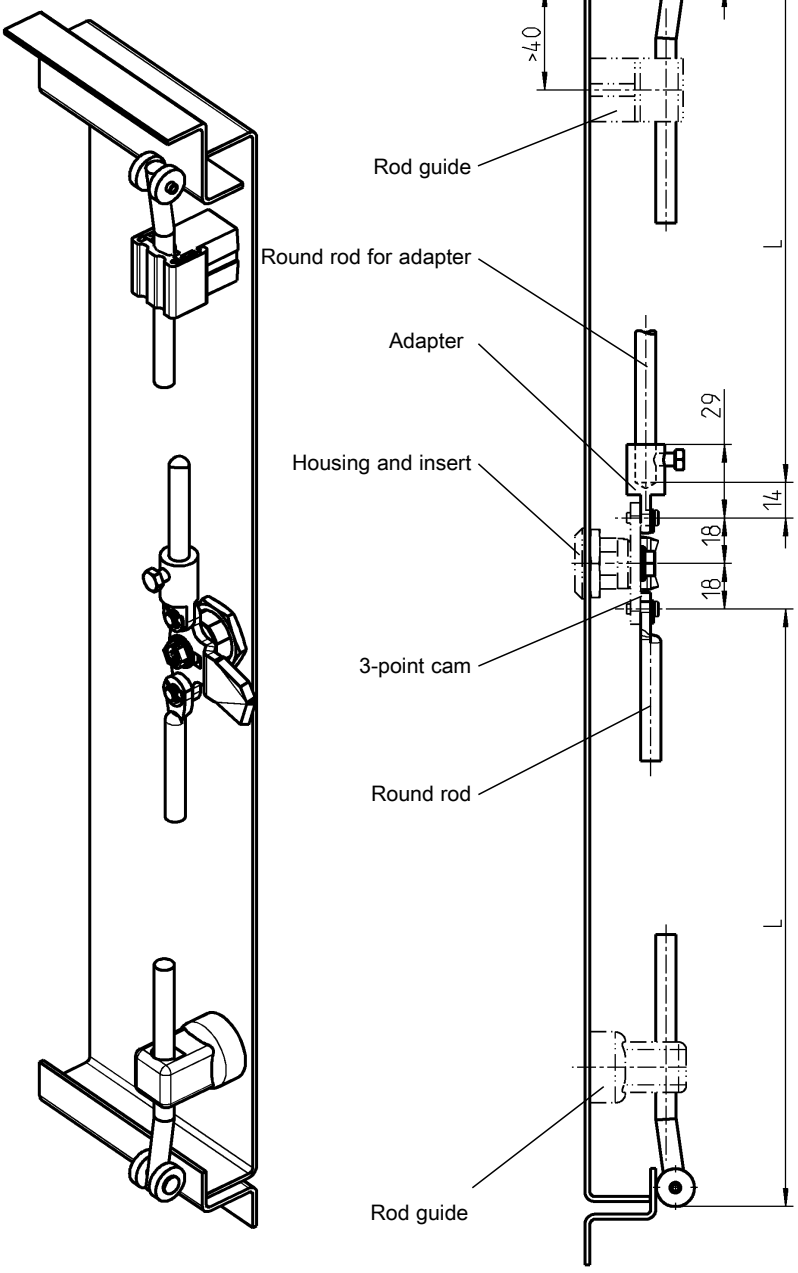
3 point locking system stainless steel

PROGRAM 1000









Rod Ø 8 AISI 304 with rollers polyamide black			
L		L	
600	1049-U12	900	1049-U15
700	1049-U13	1000	1049-U16
800	1049-U14	1100	1049-U17
Adapter AISI 303			
			1000-U141
Rod Ø 8 with eye AISI 304 and rollers polyamide black			
Expl.: Length 938 mm	1000-U538-L 938	1000-U538-L in mm	
		(1000-U538-01 to -09)	
		see price list	

Further parts see page

– 3-point cam 8A-320
8A-340

– Rod guide (see dimension A) 1C-640

Stainless steel escutcheon with insert

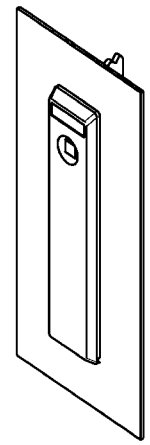
PROGRAM 1125

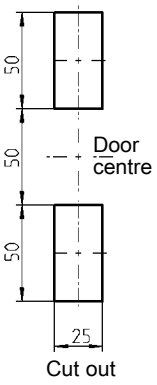
EDELSTAHL Rost frei STAINLESS STEEL

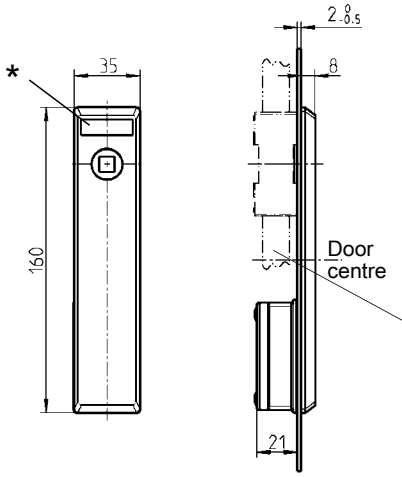
IP 65

INOX AISI 3..

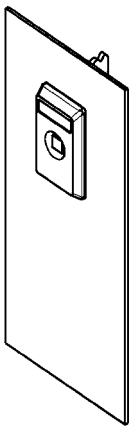
Escutcheon long

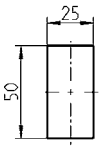


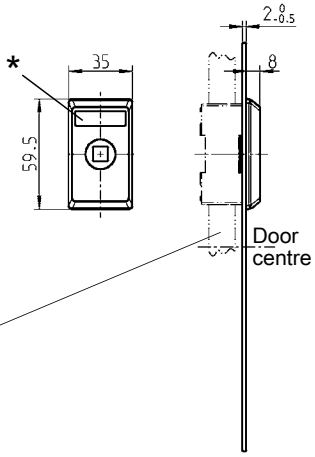


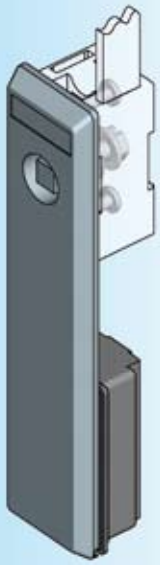


Escutcheon short











Escutcheon AISI 316, cap polyamide GF black (only for escutcheon long version), fixing material stainless steel, with seal			
	Escutcheon long	Escutcheon short	
for square, triangular, double bit, Daimler-Benz, slot	1121-U133-6PH	1121-U22-6PH	
Insert AISI 316, fastening material stainless steel			
Square 6	on request	Double bit 3	1121-U16-PH
Square 7	1121-U12-PH	Double bit 5	1121-U17-PH
Square 8	on request	Square female 8	on request
Triangular 6,5 CNOMO	on request	Daimler Benz	on request
Triangular 7	1121-U14-PH	Slot 2 x 4	on request
Triangular 8	on request		

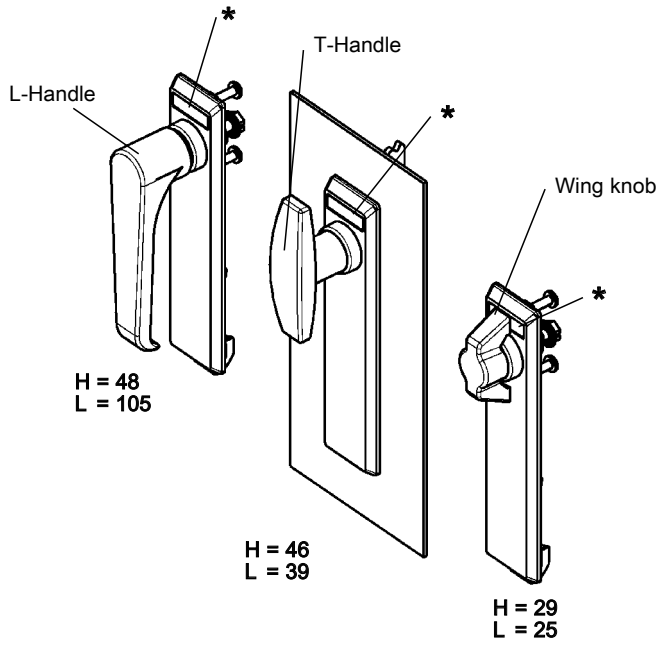
* Logo recessed: 27 x 8 x 0,5
Multicolour print possible

Further parts see page

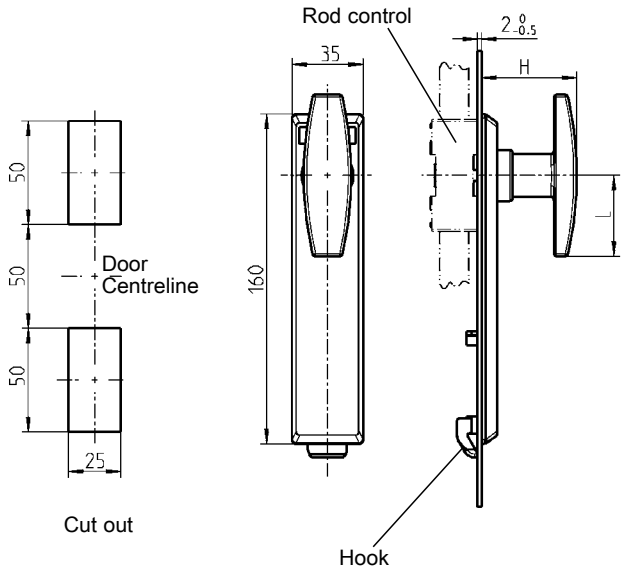
– Key	12B-120
– Rod control for long version	8A-720
Short version	8A-740
– Bearing bush	8A-780

Escutcheon with stainless steel handle

PROGRAM 1125



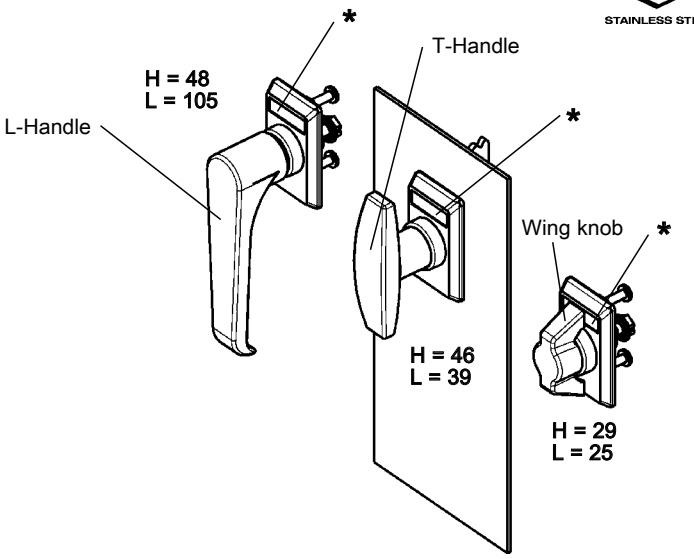
Escutcheon long



Escutcheon long polyamide GF black, fastening material stainless steel, with seal			
	Hook IP 40	snap on cap IP 40	screw on cap IP 65
L-Handle AISI 304			
without cylinder	1123-U34-6	1123-U34-N6	1123-U35-6
T-Handle AISI 304			
without cylinder	1123-U38-6	1123-U38-N6	1123-U39-6
Wing knob AISI 304			
without cylinder	1123-U41-6	1123-U41-N6	1123-U42-6



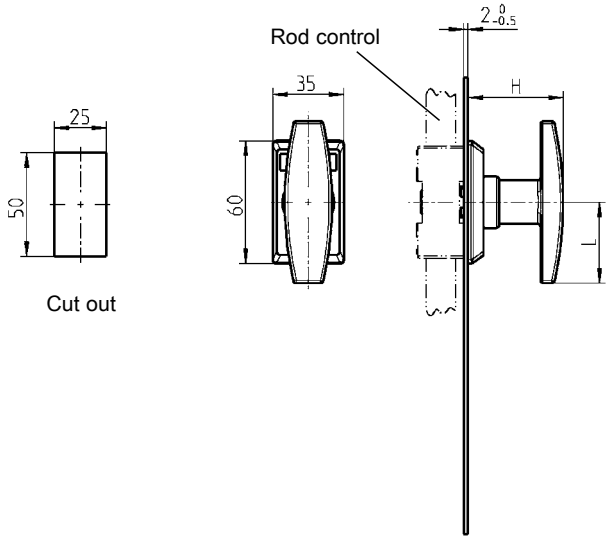


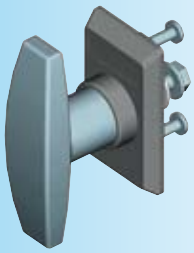


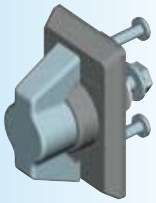




Escutcheon short







Escutcheon short polyamide GF black, fastening material stainless steel, with seal IP 65	
L-Handle AISI 304	
without cylinder	1123-U36-6
T-Handle AISI 304	
without cylinder	1123-U37-6
Wing knob AISI 304	
without cylinder	1123-U40-6

* Logo recessed 27 x 8 x 0,5
Multicolour print possible

Further parts see page

– Rod control	
long version	8A-740
Short version	8A-720
– Bearing bush	8A-780
	3YB-120

EMKA®

Beschlagteile

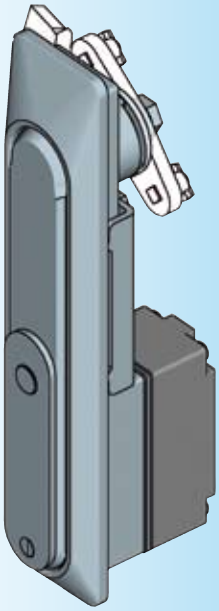
Stainless steel swinghandle 1154

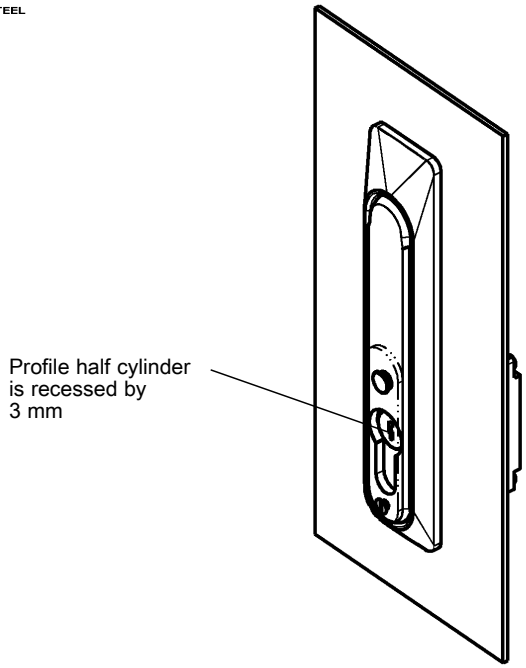
PROGRAM 1150

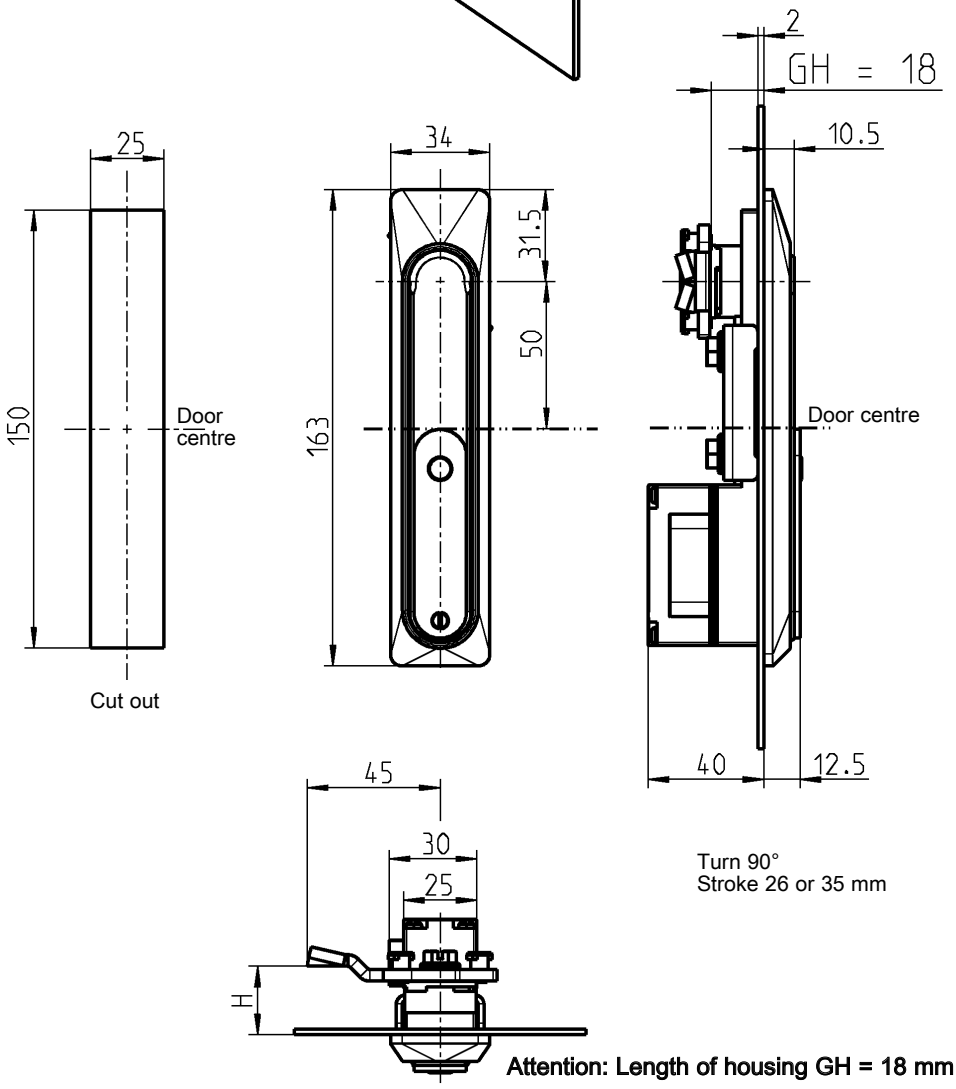
RL IP 65 INOX AISI 3..

EDELSTAHL Rost frei STAINLESS STEEL

Vandalism resistant







Suitable for profile half cylinder (length A = 30) DIN 18252 (EN 1303)

Attention: Length of housing GH = 18 mm

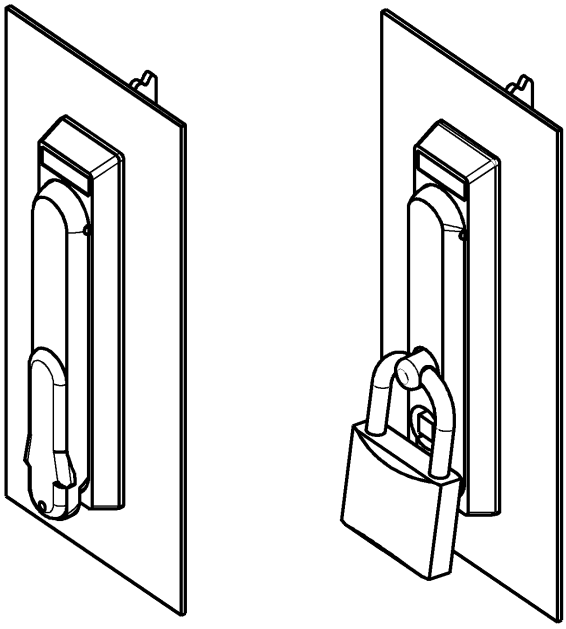
Further parts see page

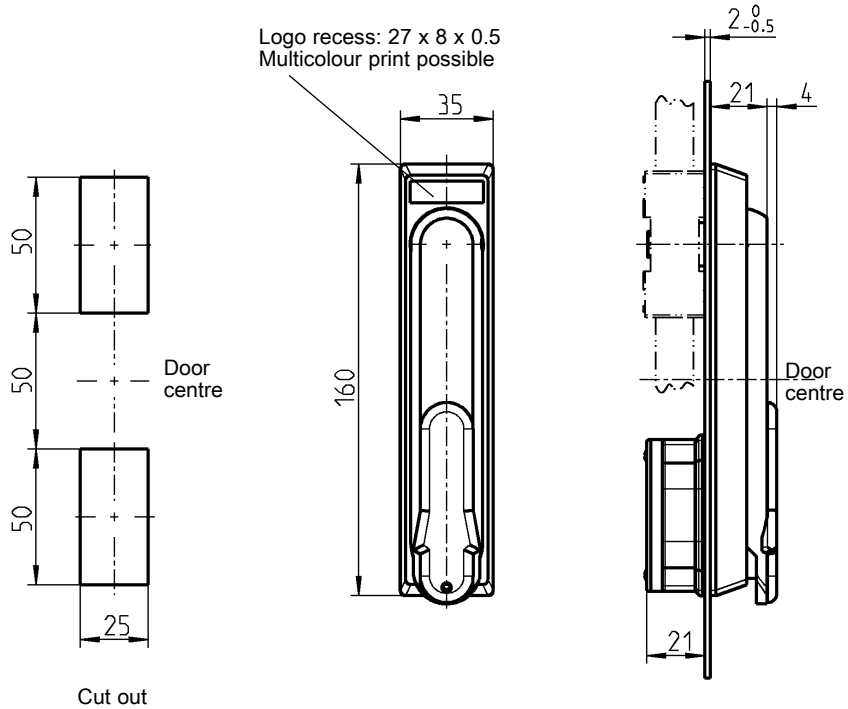
– 3-point cam	8A-790
– Cam	3YC-120
– Rod (Version A)	3ZB-540
– Profile half cylinder	3XB-120

Swinghandle AISI 316, shaft AISI 303, cap polyamide black, fixing material stainless steel, with seal	
For profile half cylinder 40	1154-U2

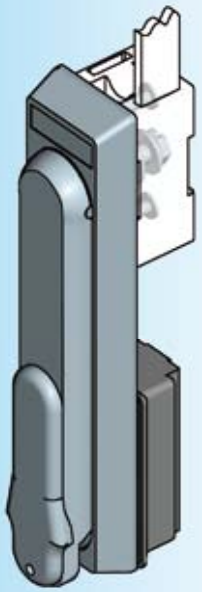
Stainless steel swinghandle

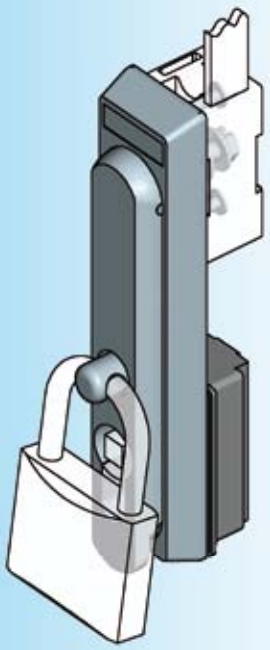
PROGRAM 1125





Cut out





Swinghandle AISI 316 for 40 mm profile half cylinder, shaft AISI 303, cap polyamide black, with seal	
with dust cap	1125-U191-APH
For padlock < Ø 7,5	1125-U184-APH

Further parts see page

– Rod control	8A-740
– Bearing bush	8A-780
	3YB-120
– Profile half cylinder	3XB-120

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Beschlagteile

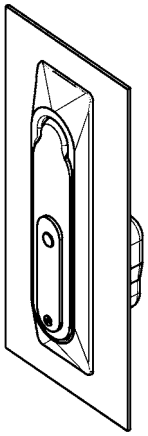
Notes:

Stainless steel swinghandle 1154 with WK2

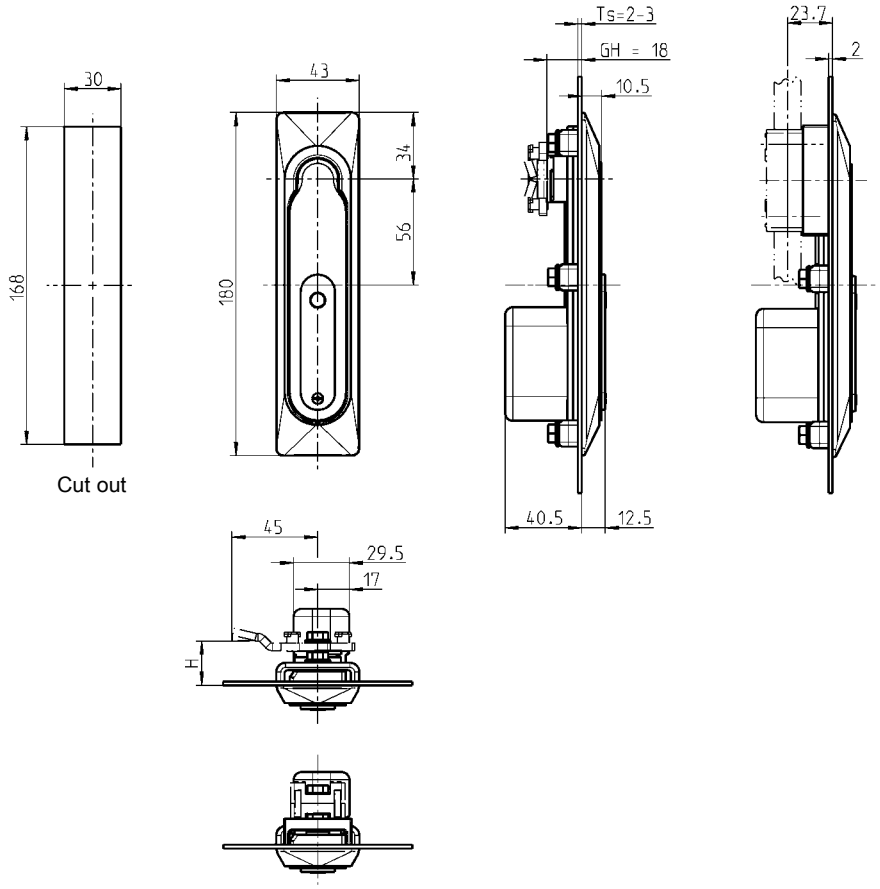
PROGRAM 1150

Suitable for profile half cylinder
(Length A=30) DIN 18252 (EN 1303)

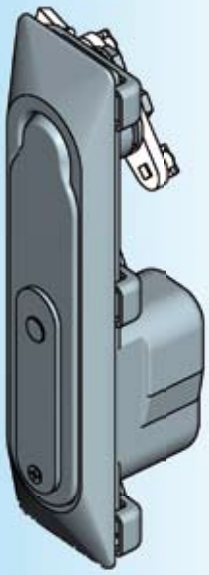
EDELSTAHL Rost frei STAINLESS STEEL



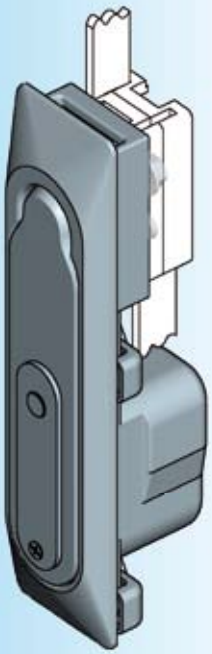
PIV Test certificate 20-15/07
The swinghandle has successfully passed the test according to WK 2 DIN V ENV 1630. The test was approved by the Test Institute for Locks and Fittings Velbert.



Cut out



Turn 90° with cam



Swinghandle AISI 316, shaft AISI 303, fastening material stainless steel, with seal	
for cam	1154-U4
for rod control	1154-U5

Further parts see page

– 3-point cam	8A-790
– Cam (GH=18)	3YC-120
– Rod control	8A-760
– Profile half cylinder	3XB-120

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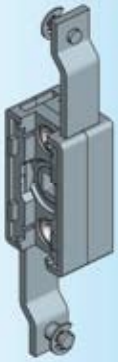
Beschlagteile

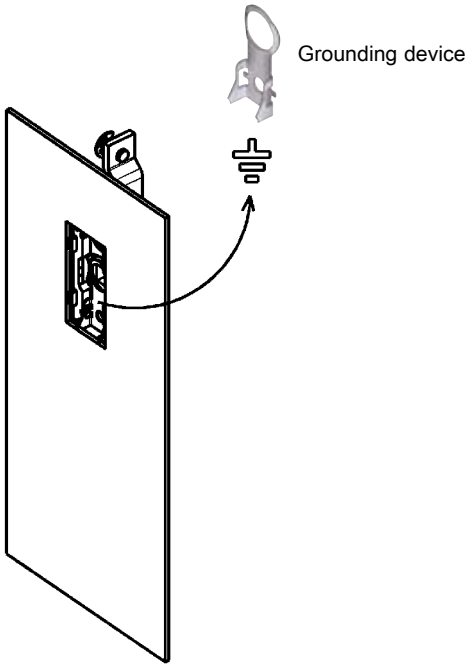
Stainless steel rod control

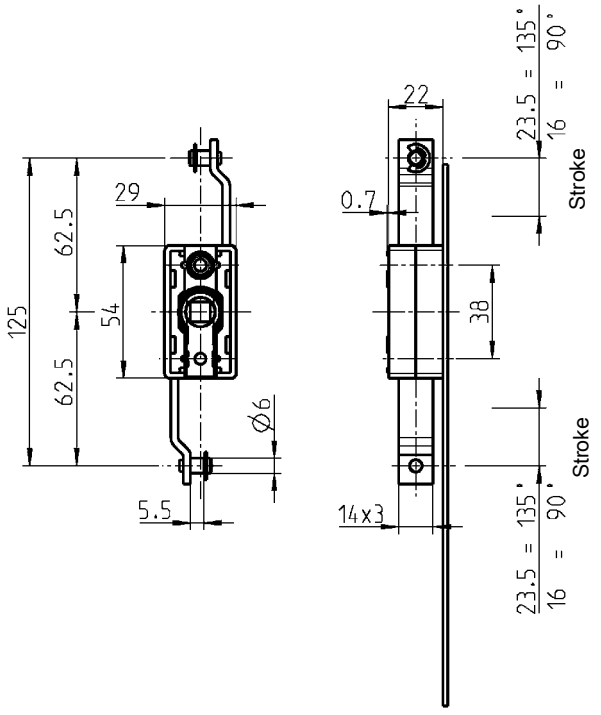
PROGRAM 1125

EDELSTAHL Rostfrei STAINLESS STEEL

INOX AISI 3..







Further parts see page
– Rods
inside 3ZB-120
3ZB-220
– Grounding device 3YA-720

Program 1125
– Escutcheon short 8A-510
8A-520

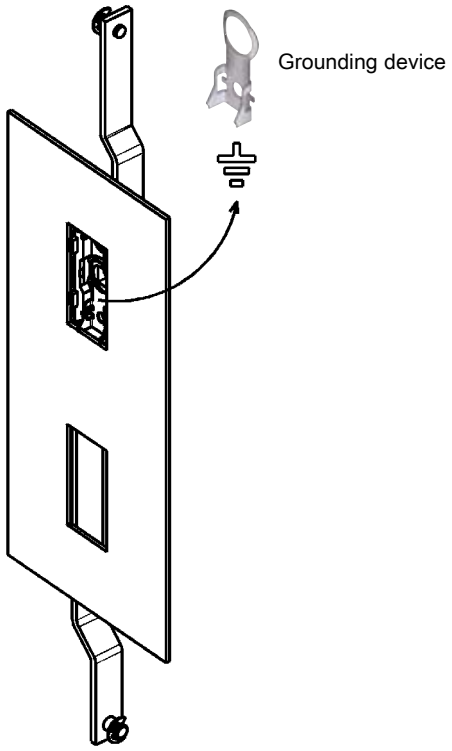
Rod control housing AISI 316, rods AISI 304

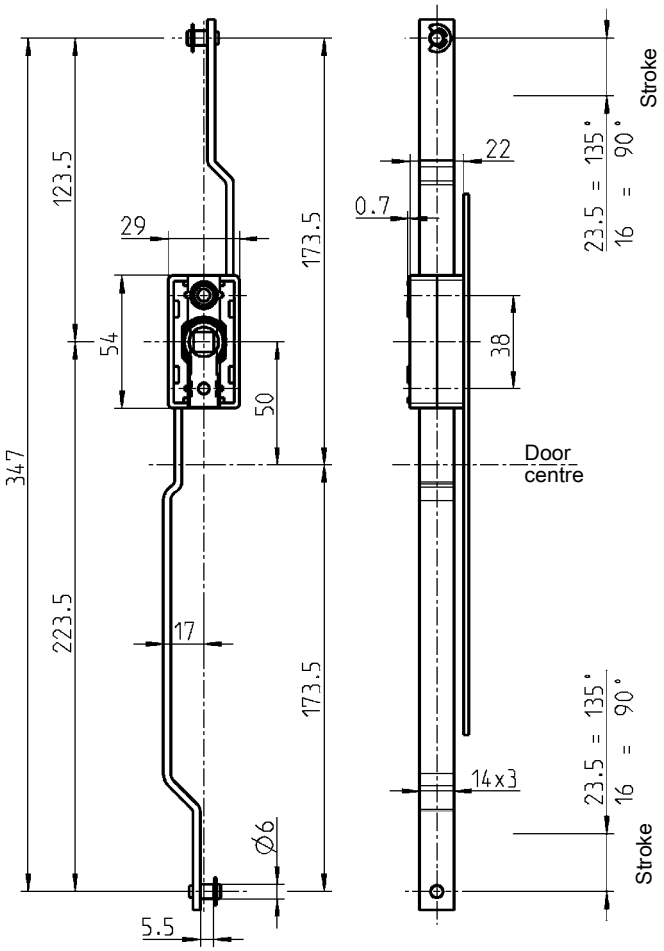
1121-U138

Stainless steel rod control

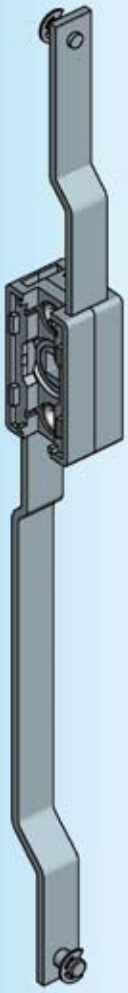
PROGRAM 1125











Further parts see page

– Rods

outside	3ZA-120 3ZA-320
inside	3ZB-120 3ZB-220
– Grounding device	3YA-720

Program 1125

– Escutcheon long	8A-510 8A-520
– Swinghandle	8A-660

Rod control housing AISI 316, rods AISI 304

1121-U139

EMKA

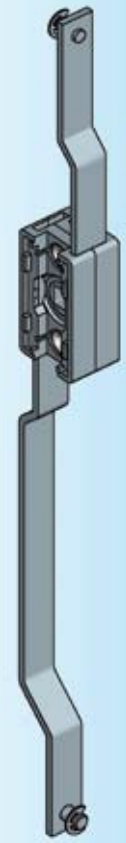
Beschlagteile

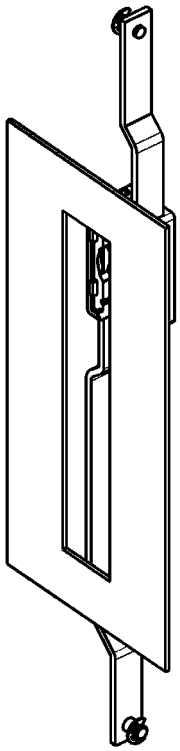
®Stainless steel rod control for swinghandle 1154-U5

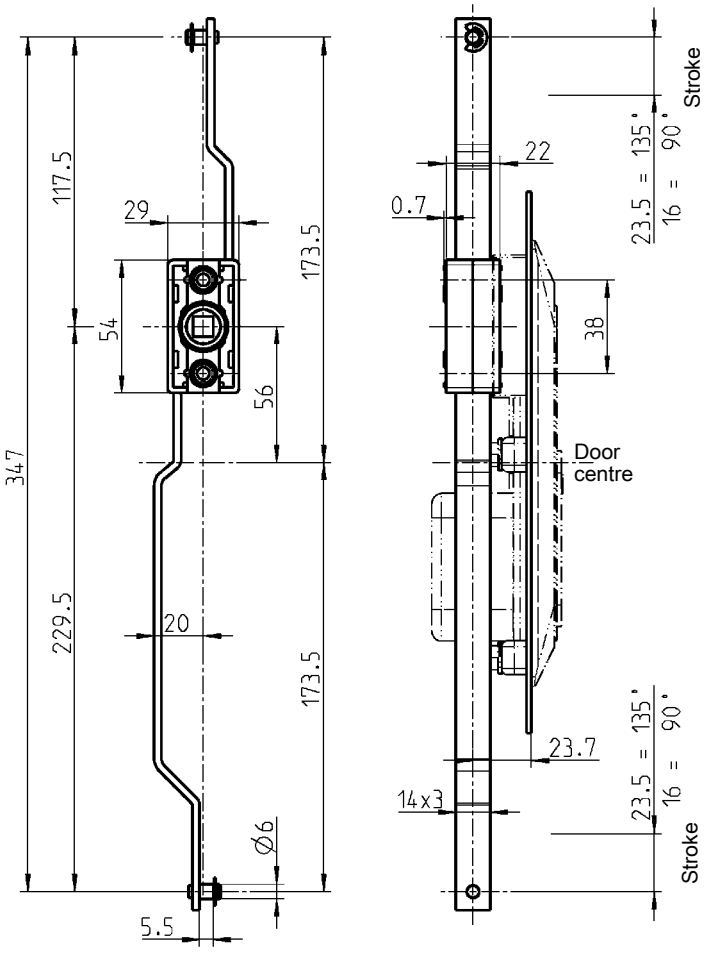
PROGRAM 1150

EDELSTAHL Rostfrei STAINLESS STEEL

INOX AISI 3..







Further parts see page
– Rods on request

Program 1150
– Swinghandle 1154 with WK2 8A-680

Rod control housing AISI 316, rods AISI 304

1121-U140

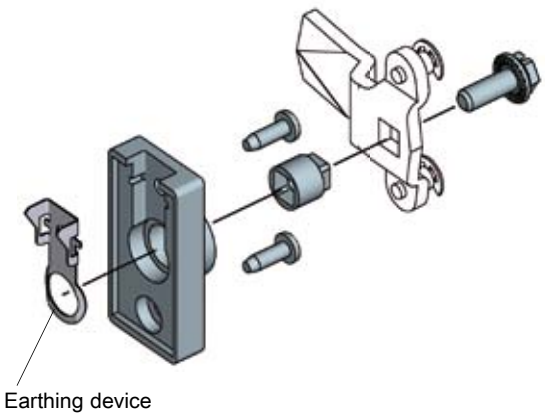
Stainless steel bearing bush, stainless steel rod guide

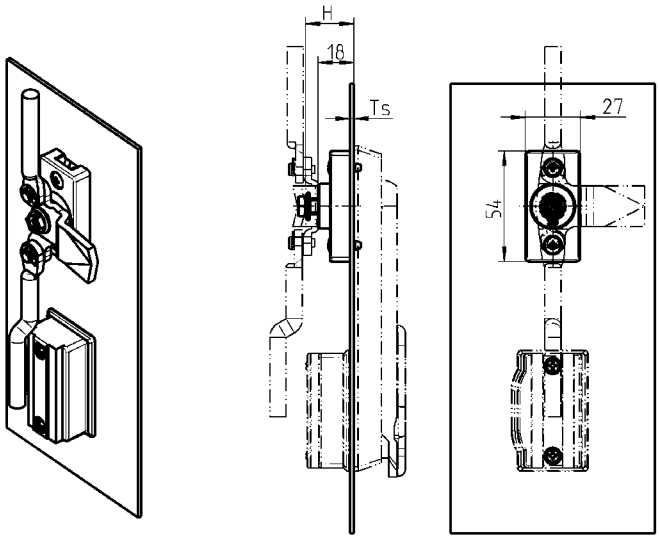
PROGRAM 1121, 1125

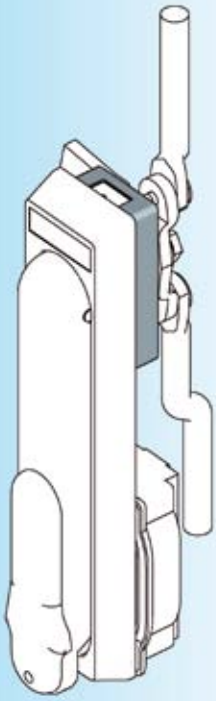
EDELSTAHL Rostfrei STAINLESS STEEL

RL

INOX AISI 3..





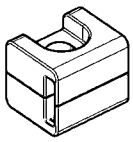


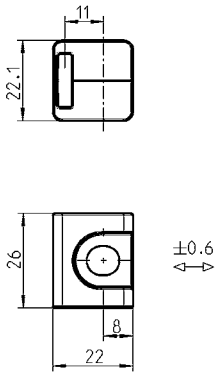
Bearing bush AISI 316	
for Ts 2,0	1125-81-020PH
Order separately: **Adapter AISI 316, fixing material stainless steel**	
for swinghandle	1125-U284-PH
for escutcheon	1125-U286-PH

Further parts see page
– 3-point cam 8A-790
– Rods 8A-360

Program 1125
– Escutcheon 8A-510
8A-520
– Swinghandle 8A-660

EDELSTAHL Rostfrei STAINLESS STEEL







Rod guide AISI 316 for weld studs or countersunk screw	
	1121-U71-PH

Further parts see page
– Rods 3ZA-120

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Beschlagteile

Stainless steel rod control

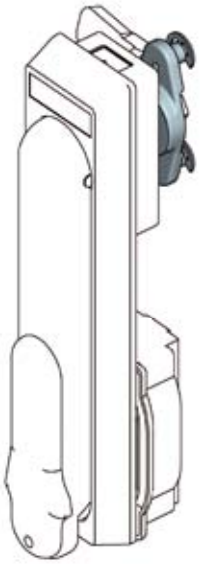
PROGRAM 1125, 1150

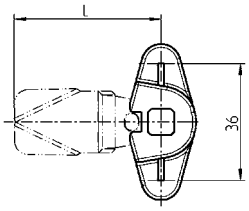
EDELSTAHL Rostfrei STAINLESS STEEL

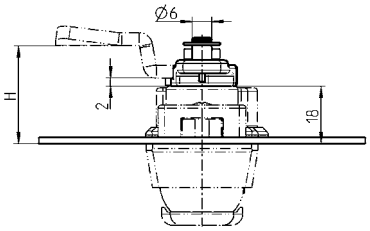


Attention:
By using the rod control the H-dimension of the cam increases by 2 mm

Stroke 18 mm

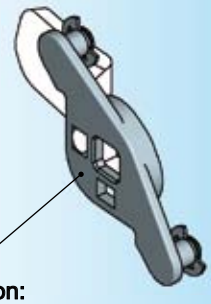






Note:
Rod for rod control combinded with swinghandle 1154 with WK 2 on request only!

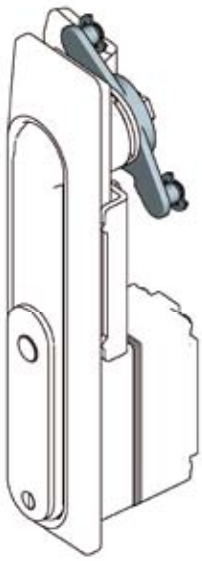
Rod control AISI 316	
	1107-U246-PH

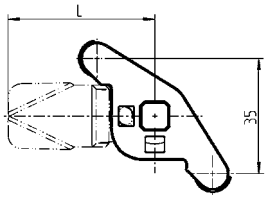


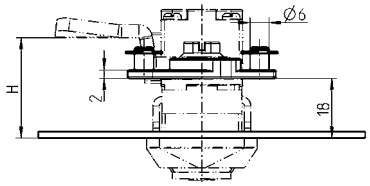
Attention:
Use only rod with eye!

EDELSTAHL Rostfrei STAINLESS STEEL

Stroke 35 mm







Note:
Rod for rod control combinded with swinghandle 1154 with WK 2 on request only!

Rod control AISI 316	
	1150-U57

Further parts see page

– Cam	8A-320
– Rod inside (not for swinghandle 1154 with WK2)	8A-360
Program 1091	
– Heavy duty latch	8A-840
Program 1125	
– Bearing bush	8A-780
Program 1150	
– Swinghandle 1154	8A-620
– Swinghandle 1154 with WK2	8A-680

Stainless steel heavy duty latch

PROGRAM 1091

EMKA

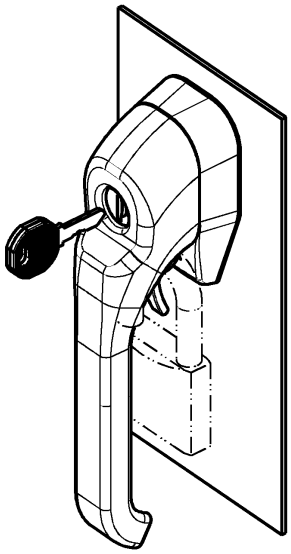
Beschlagteile

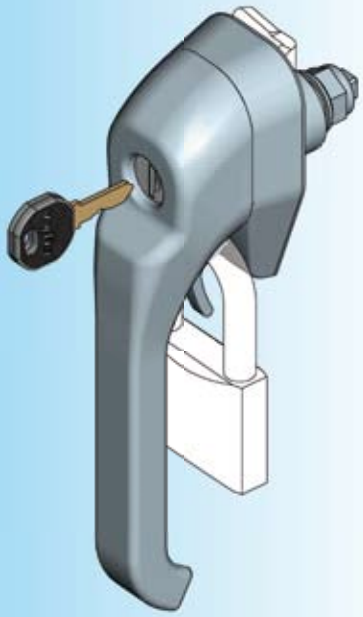
EDELSTAHL Rostfrei STAINLESS STEEL

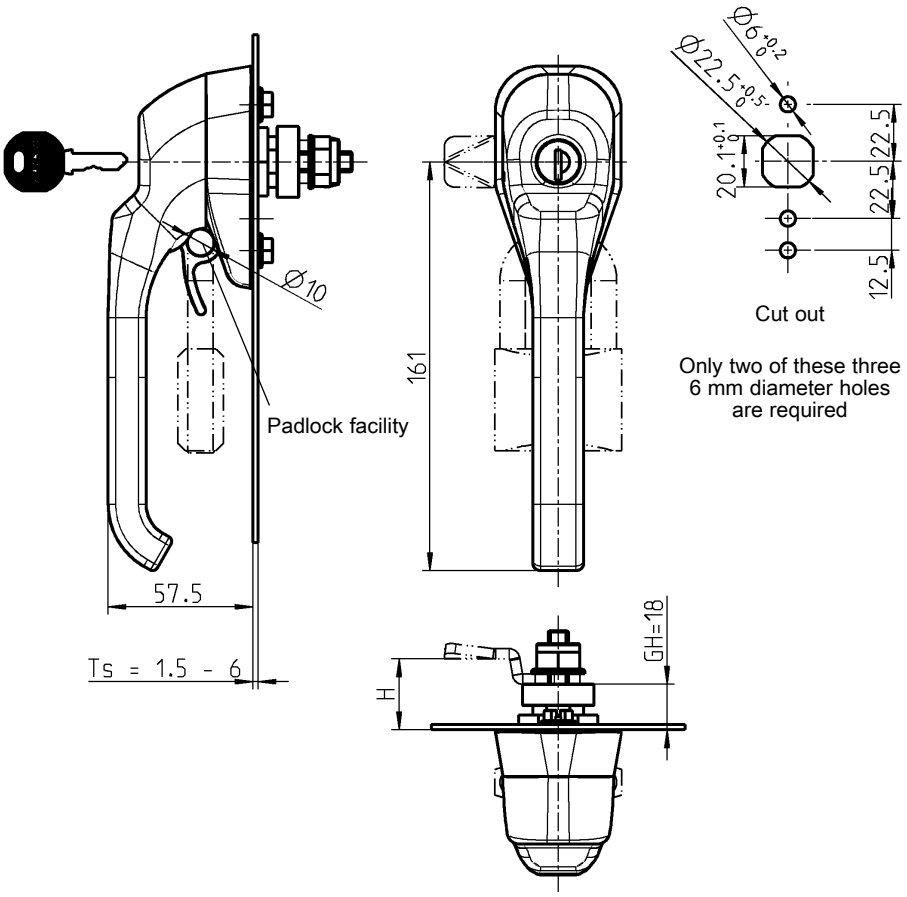
RL

IP 65

INOX AISI 3..







Heavy duty latch AISI 316, round cylinder with stainless steel cap and dust cap zinc die chrome plated Each cylinder has one silver steel key with polyamide GF grip black.	
spring loaded	
without insert	1091-U142
keyed EK 333	1091-U142-02
keyed different	1091-U142-03
Slot 2 x 4	1091-U142-01

Further parts see page

– Cam	8A-320
– 3-point cam	8A-790
– Spare key	12B-140

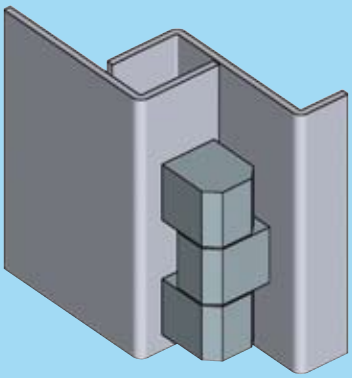
EMKA®

Beschlagteile

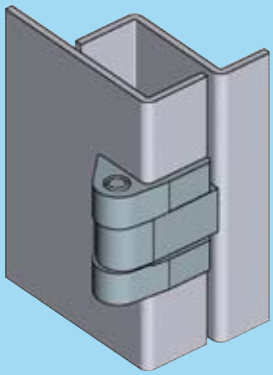
Notes:

Stainless steel hinges

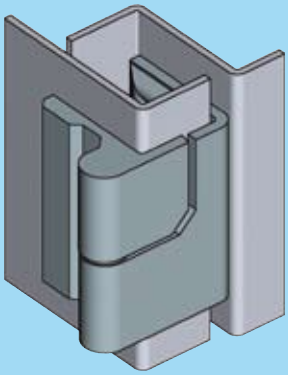
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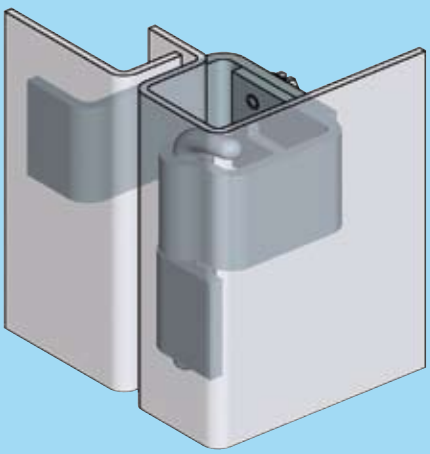
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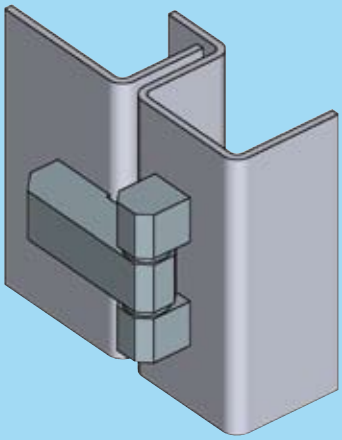
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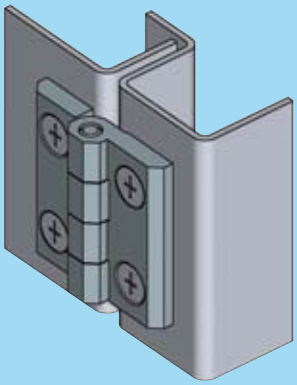
2



2



2

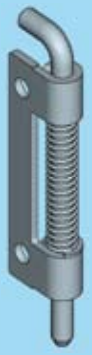


Door and housing/frame pictured transparent

3



3







1 Hinge for prominent door 8B-120 to 8B-180, 8B-400

2 Hinge for flush door 8B-320 to 8B-400

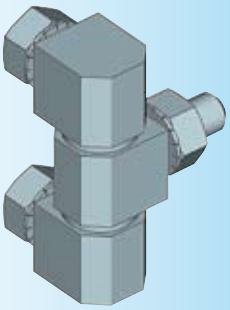
3 Pin hinge 8B-520

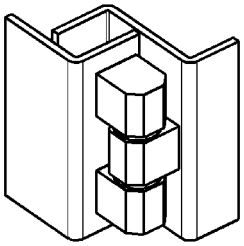
Screw-on hinge stainless steel

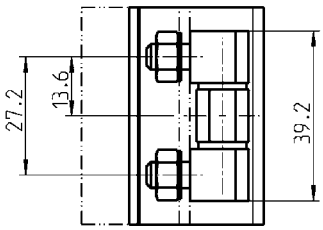
PROGRAM 1039, 1055

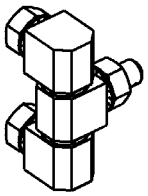
EDELSTAHL Rostfrei STAINLESS STEEL

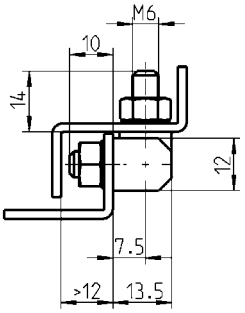
INOX AISI 3..





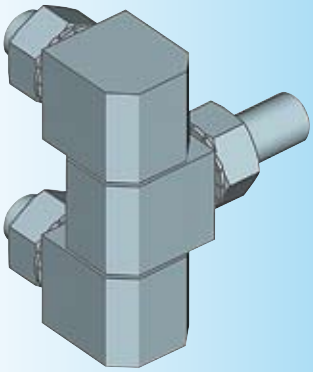


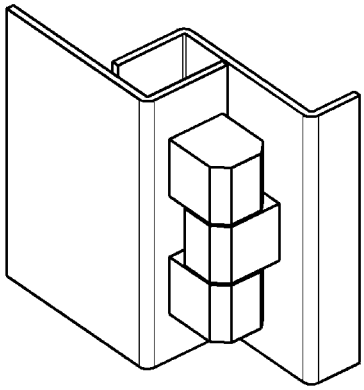


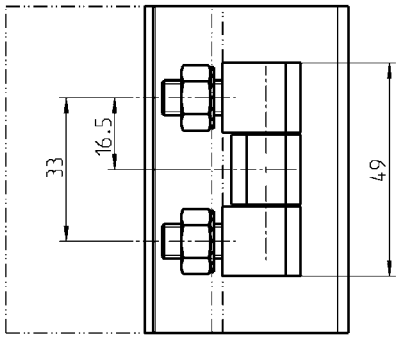


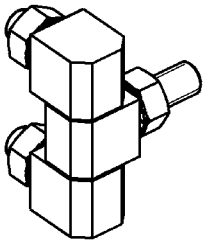
Screw-on hinge	
AISI 303	1055-U6
AISI 316	1055-U8

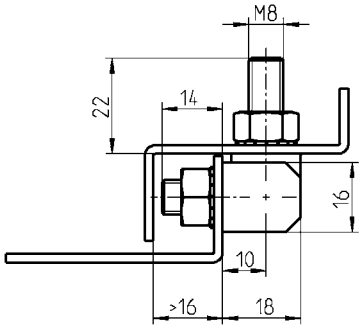
EDELSTAHL Rostfrei STAINLESS STEEL









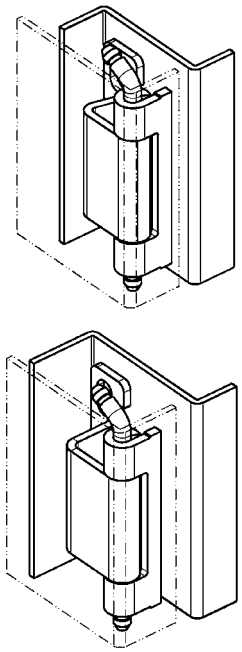


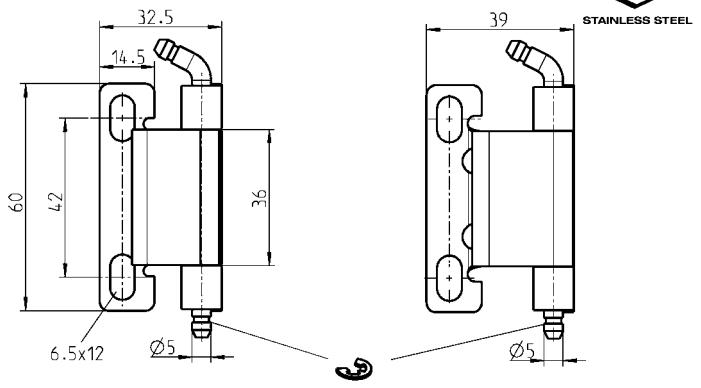
Screw-on hinge	
AISI 303	1039-U19
AISI 316	1039-U26

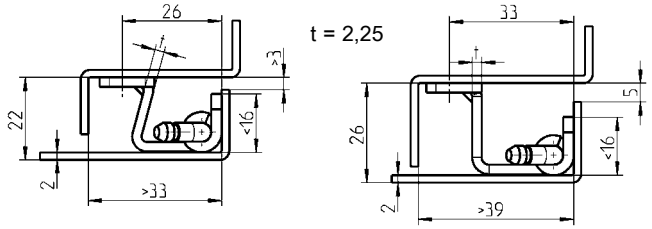
Hinge stainless steel

PROGRAM 1032, 1069

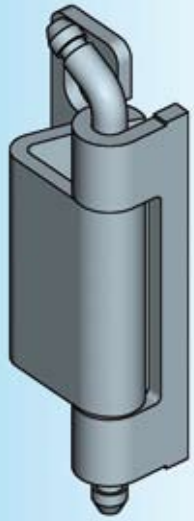
120° hinge for 22 or 26 mm door return



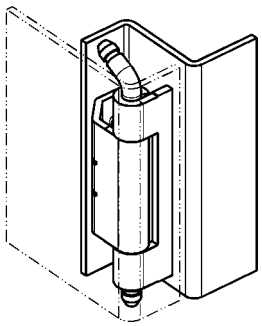


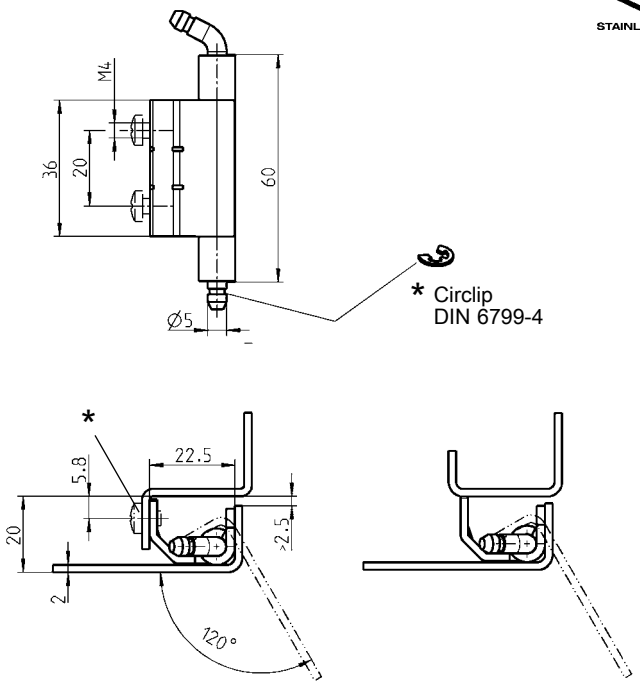


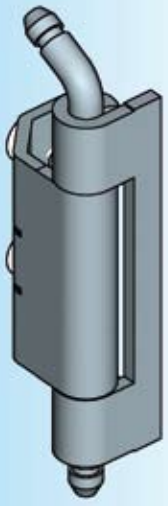
120° hinge AISI 304			
(Dim. 22)	1032-U2	(Dim. 26)	1031-U2



120° hinge for 20 mm door return







Hinge AISI 304			
screw-on	1069-U4	weld-on	1069-U3

* not included

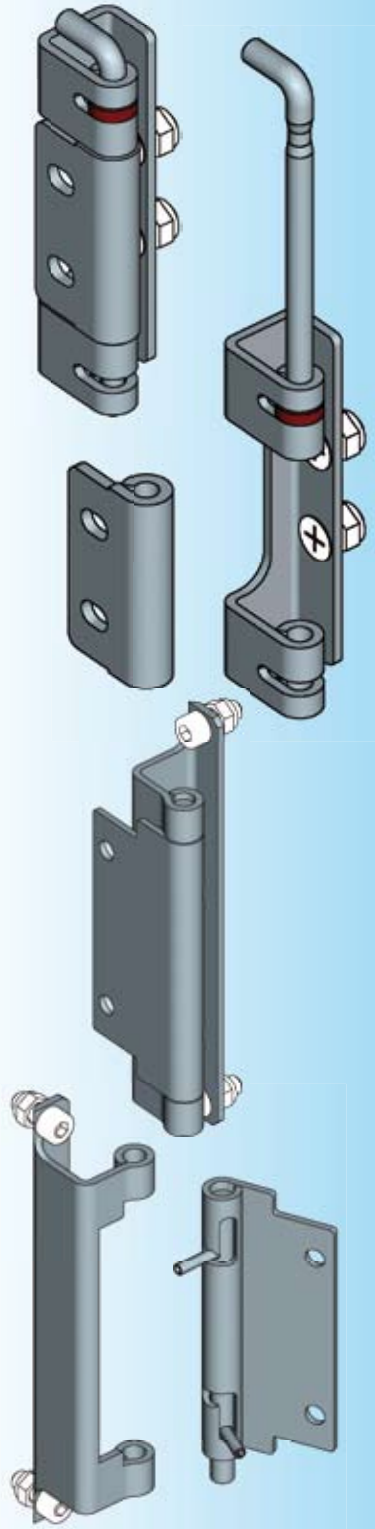
EMKA®

Beschlagteile

Stainless steel hinge with captive pin

PROGRAM 1031



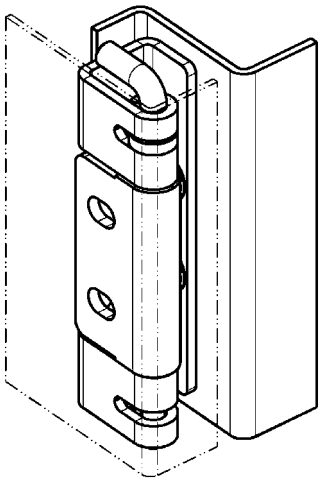


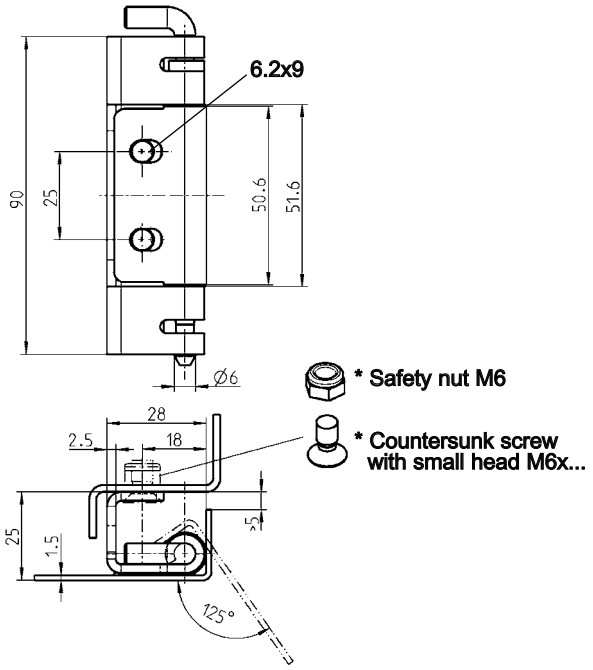
* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

125° hinge for single cabinets for 25 mm door return

EDELSTAHL® Rost frei STAINLESS STEEL



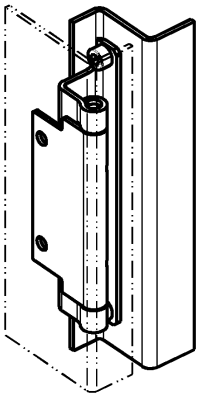


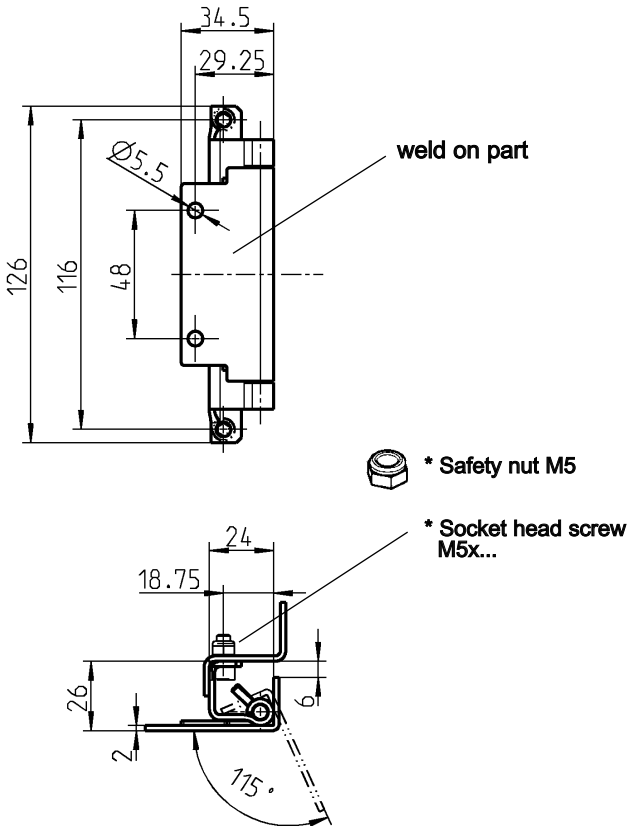
125° hinge AISI 304, pin clamping ring POM red

1031-U13

115° hinge for single cabinets with 26 mm door return

EDELSTAHL® Rost frei STAINLESS STEEL





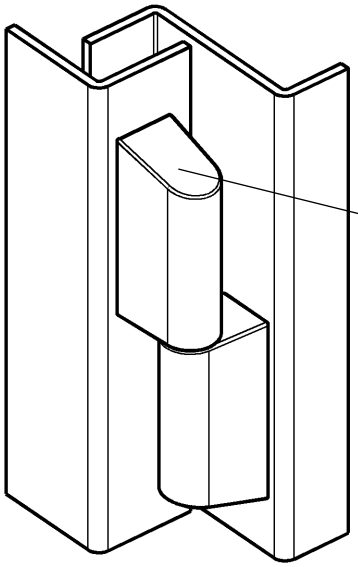
115° hinge AISI 304

1031-U14

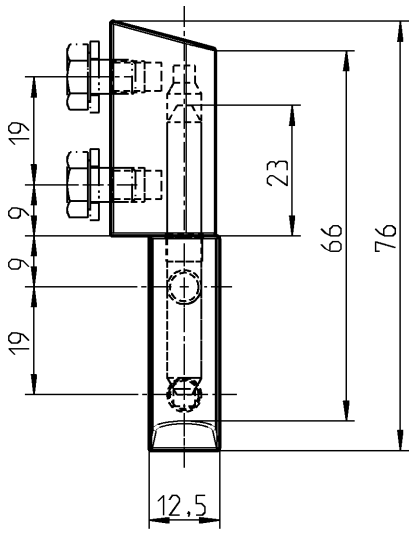
Screw-on hinge stainless steel

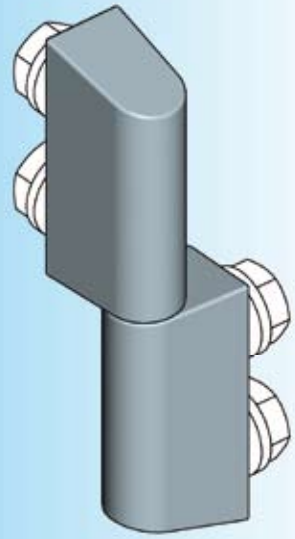
PROGRAM 1079

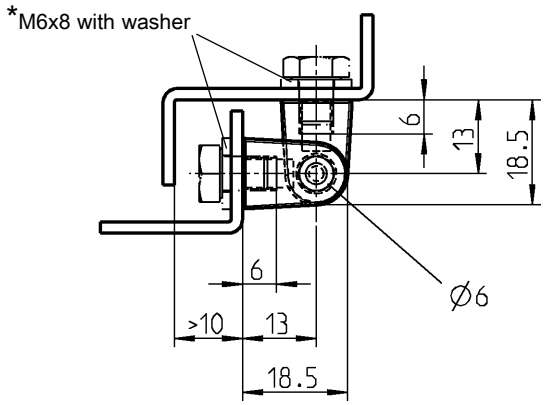
EDELSTAHL Rostfrei STAINLESS STEEL



Chamfered ends preventing the accumulation of dirt







Screw-on hinge AISI 316	
	1079-U5-PH

* not included

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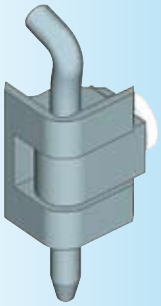
Beschlagteile

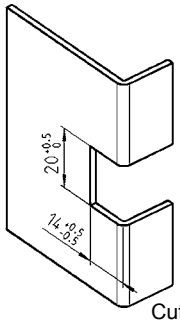
Hinge stainless steel

PROGRAM 1033, 1110

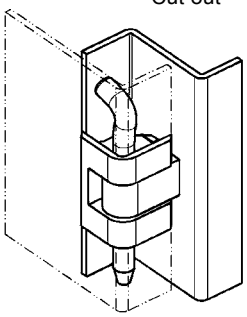
EDELSTAHL Rost frei STAINLESS STEEL

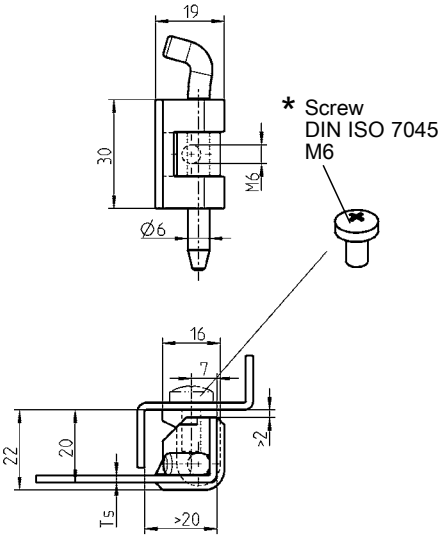
180° hinge for single cabinets with 20 mm door return





Cut out





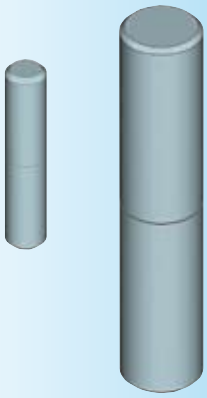
* Screw DIN ISO 7045 M6

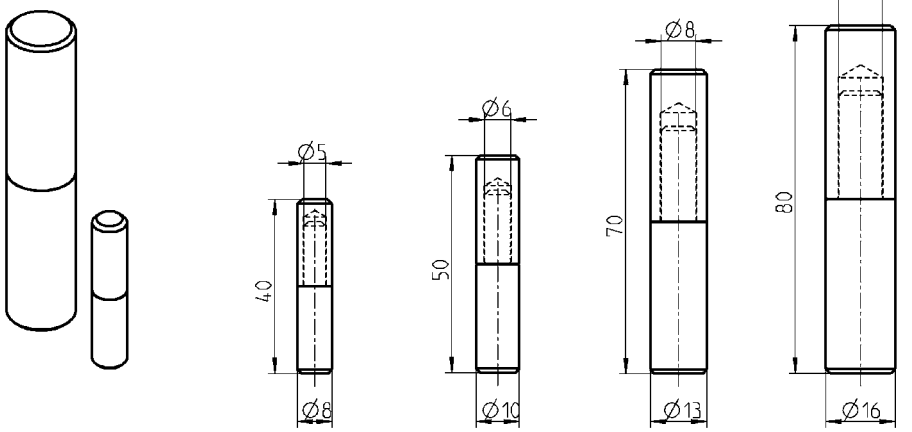
with gasket > 25

Hinge AISI 316, pin AISI 303	
Ts= 0,8 – 1,0	1110-U51
1,5 – 2,0	1110-U50

EDELSTAHL Rost frei STAINLESS STEEL

Weld-on hinge





Weld-on hinge				
AISI 304	1033-U45	1033-U46	1033-U47	1033-U48
AISI 316	1033-U49	1033-U50	1033-U51	1033-U52

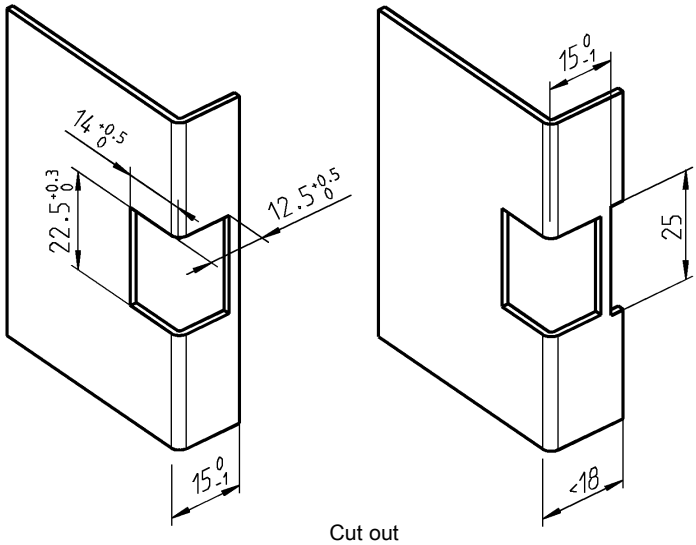
* not included

180° hinge stainless steel

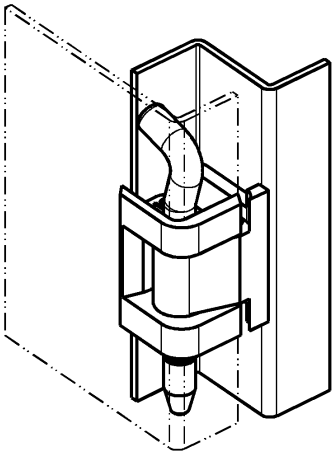
PROGRAM 1110

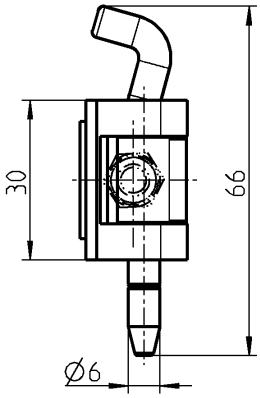
180° hinge for single cabinets
for 20 mm door return

EDELSTAHL Rost frei STAINLESS STEEL

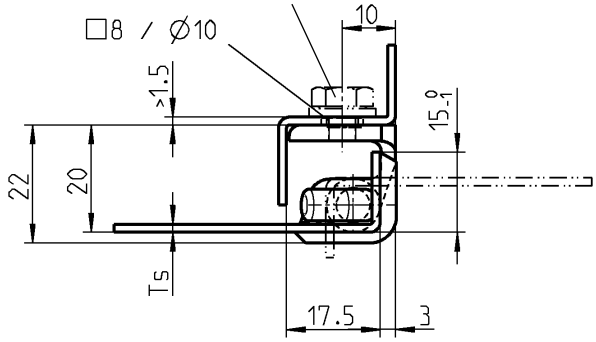


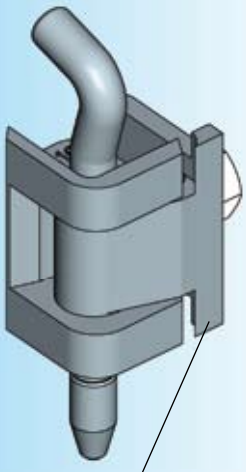
Cut out
on choice





* Washer DIN ISO 7089 - 6 and
hexagon screw DIN ISO 4017 M6 x 6
for metal gauge 1.5





Frame part with
M6-thread and
spigot

180° hinge AISI 316, pin AISI 303	
for Ts 1.5	1110-U131
for Ts 2.0	1110-U132

* not included

EMKA®

Beschlagteile

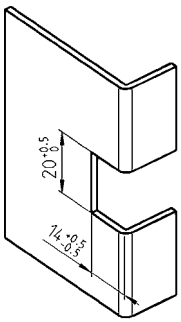
Notes:

180° hinge stainless steel

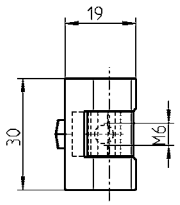
PROGRAM 1110

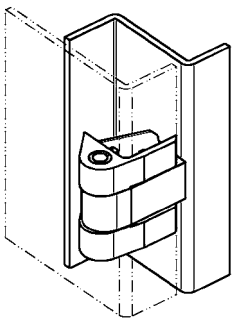
180° hinge for in-line cabinets with adjacent door for 20 mm door return

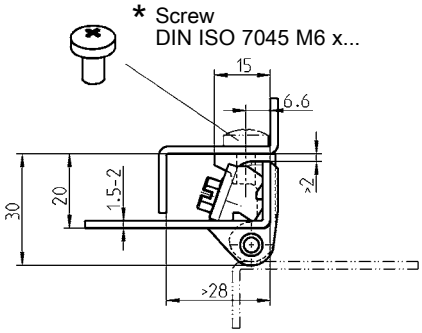
EDELSTAHL Rostfrei STAINLESS STEEL

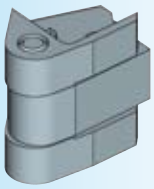


Cut out







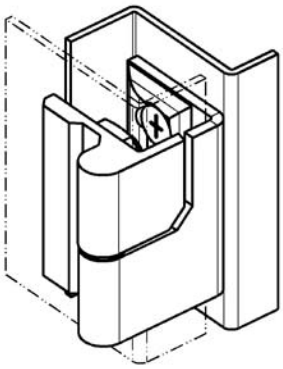


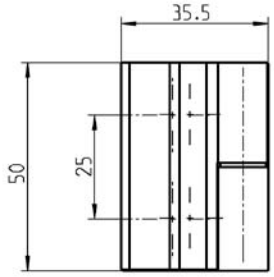


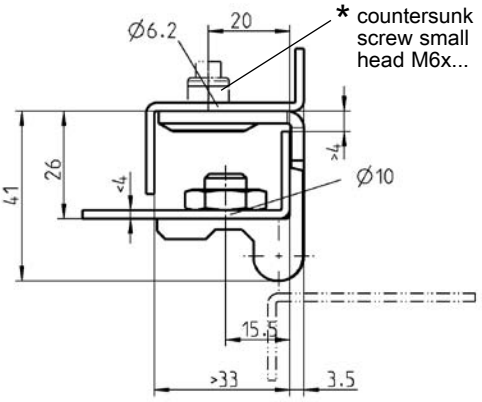
180° hinge AISI 316, set screw and pin AISI 303	
	1110-U5-NPH

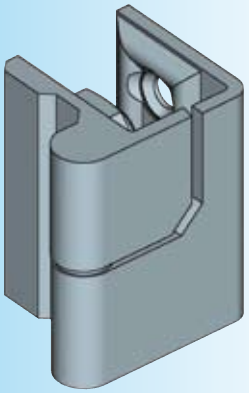
180° hinge for in-line cabinets with adjacent door for 26 mm door return

EDELSTAHL Rostfrei STAINLESS STEEL









180° hinge AISI 316, set screw and nut AISI 304		
LH	(2D-nut possible)	1110-U120-PH
RH	(2D-nut possible)	1110-U121-PH

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

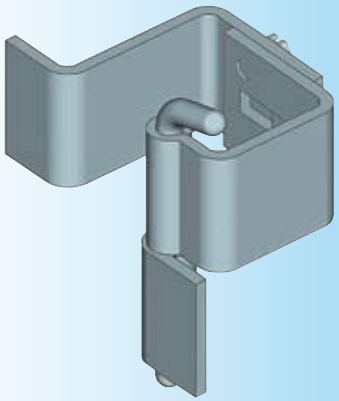
* not included

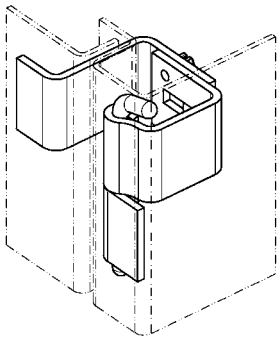
EMKA®

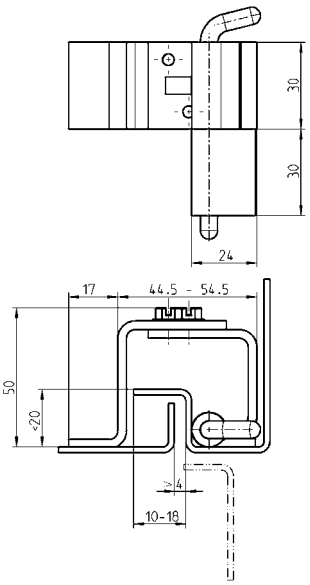
Beschlagteile

Concealed hinge stainless steel

PROGRAM 1006, 1046

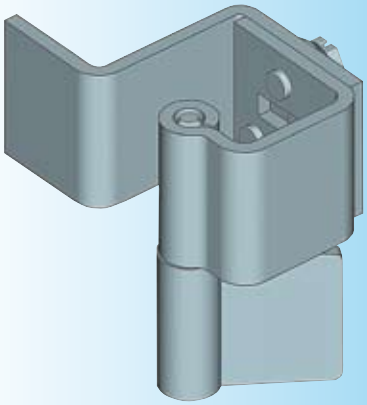


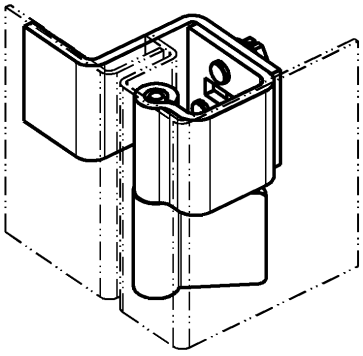


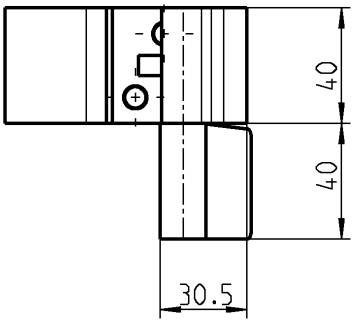


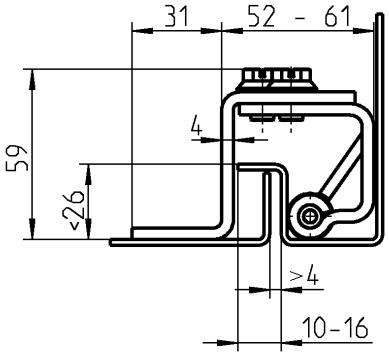
Concealed hinge AISI 304 and AISI 303

	1006-U1-PC







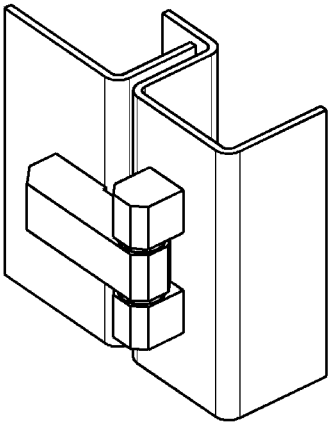


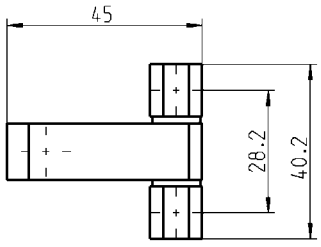
Concealed hinge AISI 304 and AISI 303

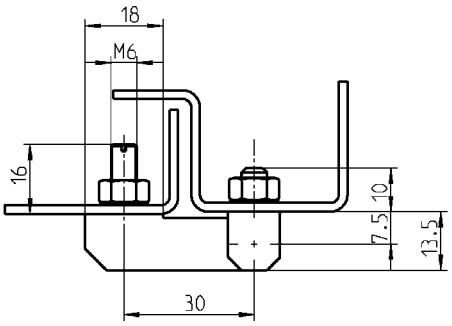
	1046-U5

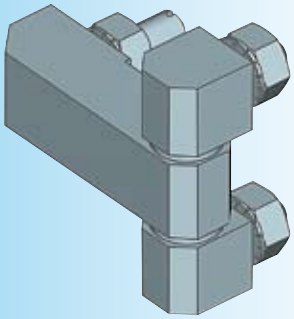
Screw-on hinge stainless steel

PROGRAM 1039, 1055

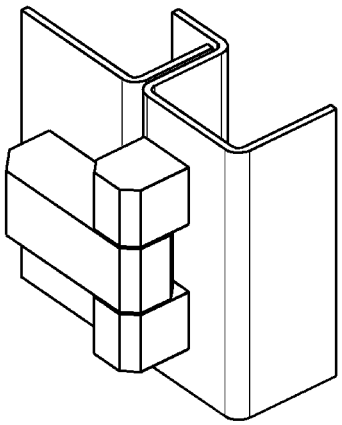


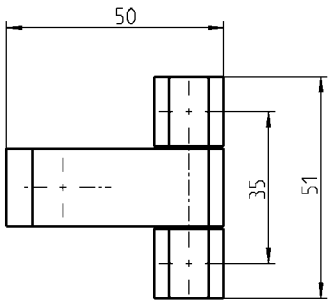


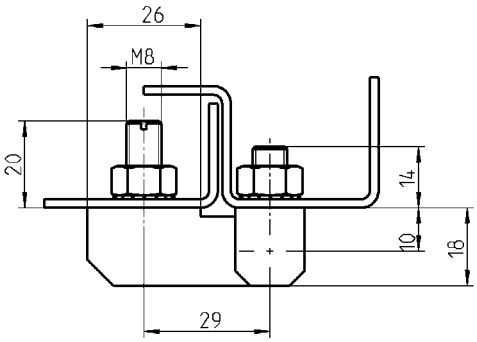


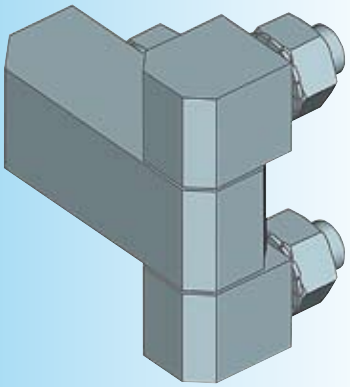


Screw-on hinge	
AISI 303	1055-U7
AISI 316	1055-U9









Screw-on hinge	
AISI 303	1039-U18
AISI 316	1039-U25

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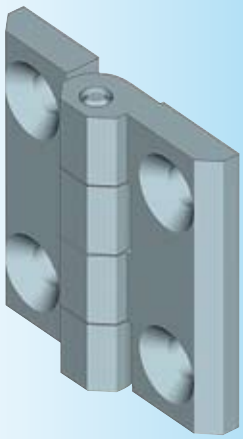
Beschlagteile

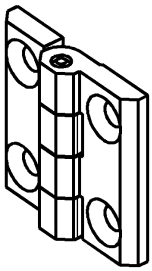
Screw-on hinge stainless steel

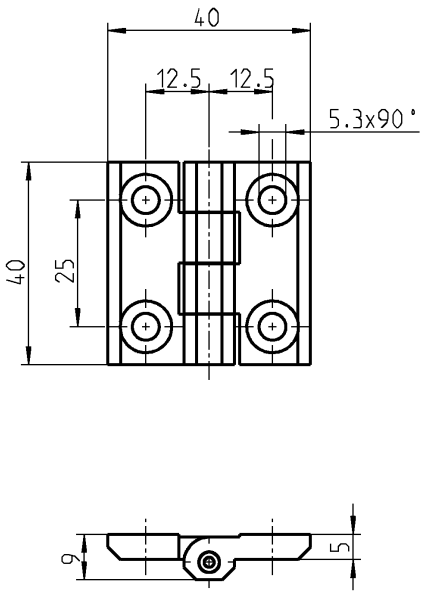
PROGRAM 1056



EDELSTAHL Rostfrei STAINLESS STEEL

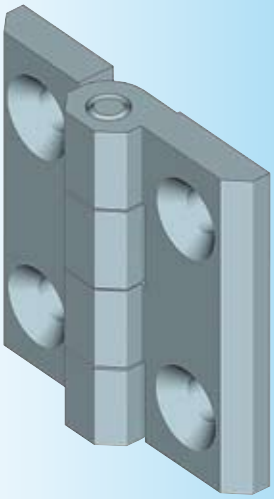


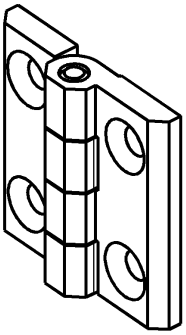


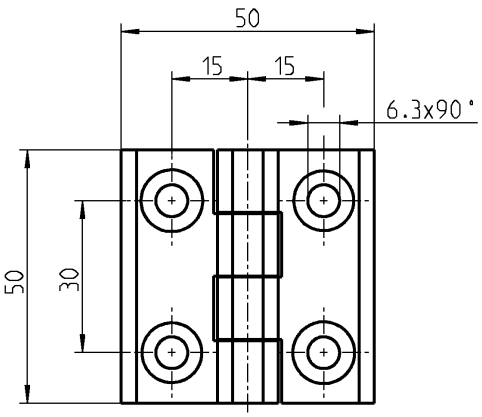


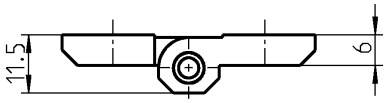
Screw-on hinge AISI 316 for countersunk screw M5	
	1056-U5-PH

EDELSTAHL Rostfrei STAINLESS STEEL





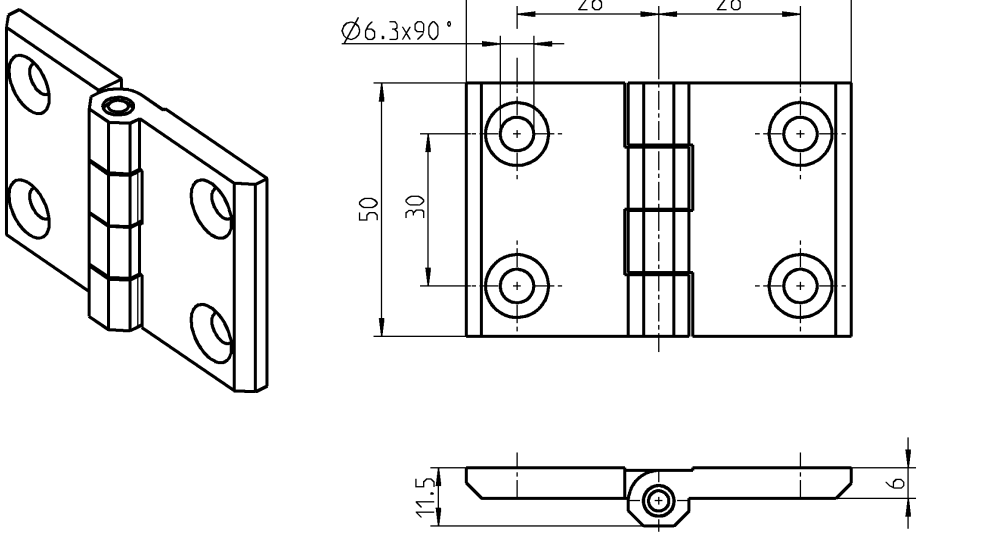


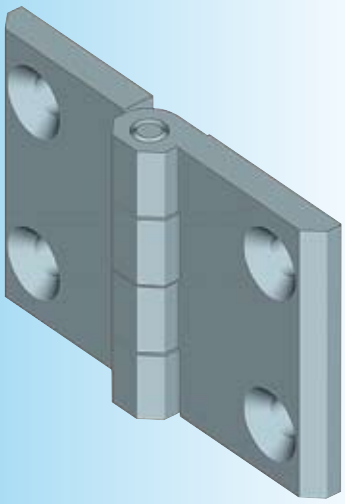


Screw-on hinge AISI 316 for countersunk screw M6	
(2D-nut possible)	1056-U9-PH

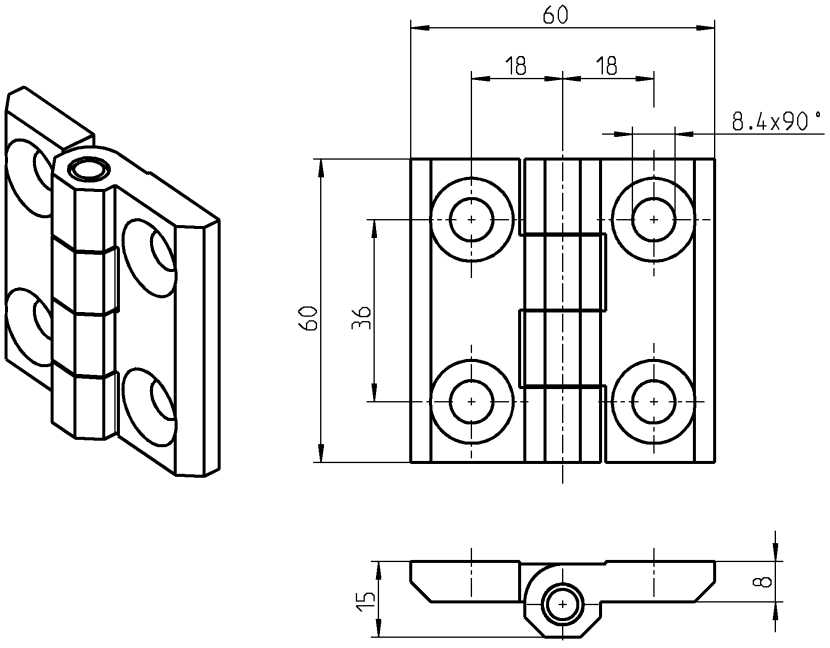
Screw-on hinge stainless steel

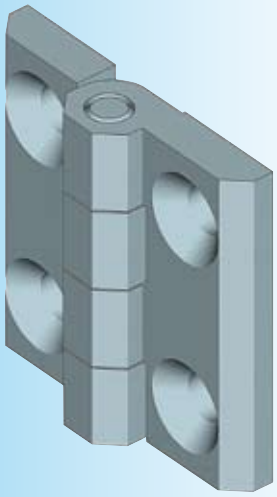
PROGRAM 1056





Screw-on hinge AISI 316 for countersunk screw M6	
(2D-nut possible)	1056-U17-PH





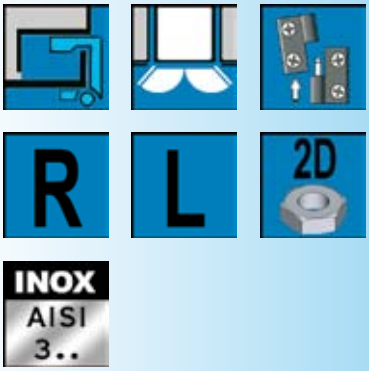
Screw-on hinge AISI 316 for countersunk screw M8	
	1056-U13-PH

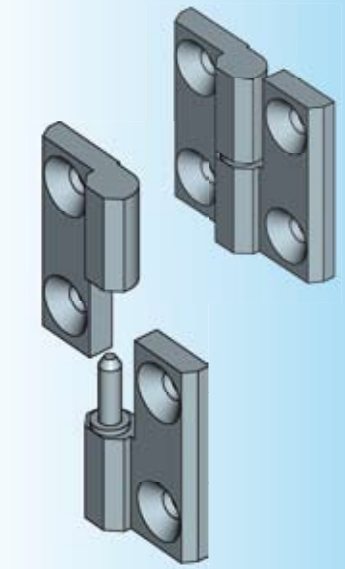
EMKA®

Beschlagteile

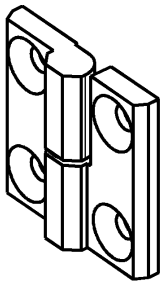
Stainless steel - 180° Screw-on hinge

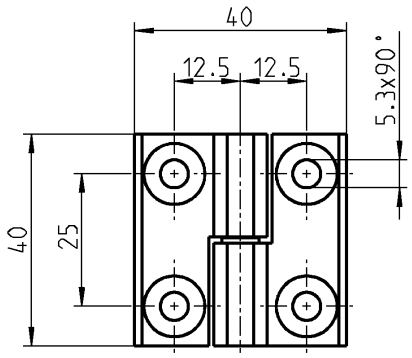
PROGRAM 1056



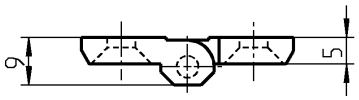


EDELSTAHL Rostfrei STAINLESS STEEL

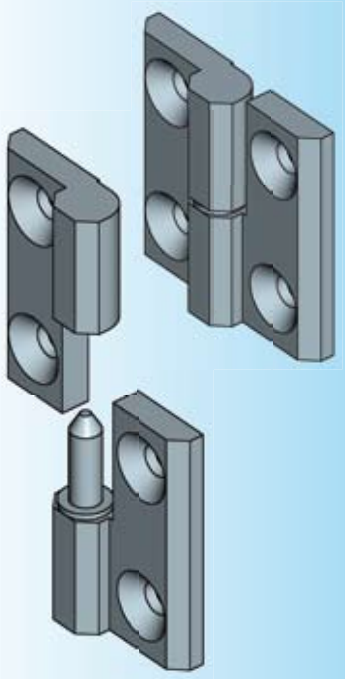




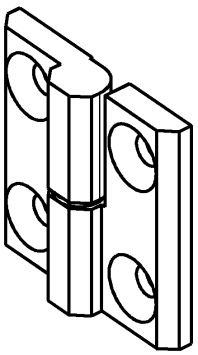
Right-hand version shown
Left-hand version is a mirror-image

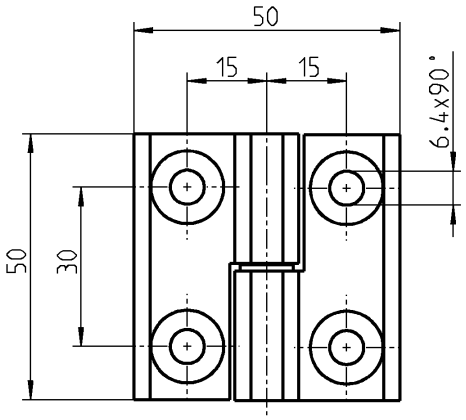


Screw-on hinge AISI 316, washer and pin stainless steel, for countersunk screw M5	
LH version	1056-U54-PH
RH version	1056-U53-PH

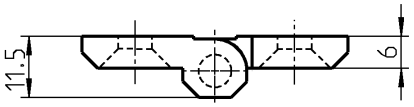


EDELSTAHL Rostfrei STAINLESS STEEL





Right-hand version shown
Left-hand version is a mirror-image

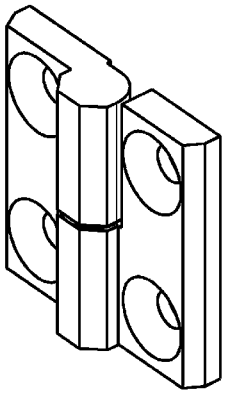


Screw-on hinge AISI 316, washer and pin stainless steel, for countersunk screw M6 (2D-nut possible)	
LH version	1056-U56-PH
RH version	1056-U55-PH

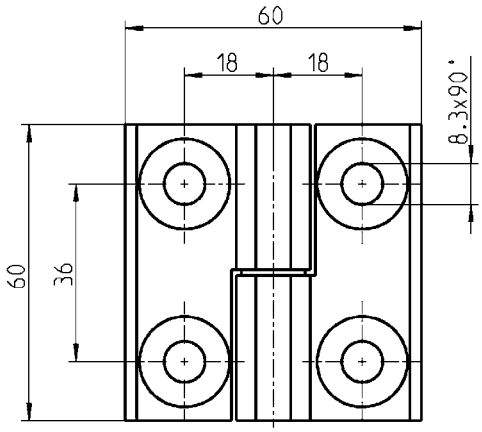
Further parts see page
– 2D-nut 12E-120

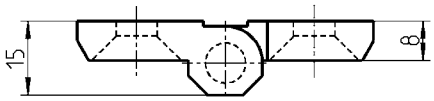
Stainless steel - 180° Screw-on hinge

PROGRAM 1056

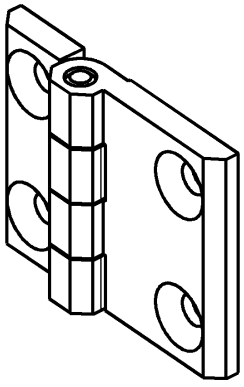


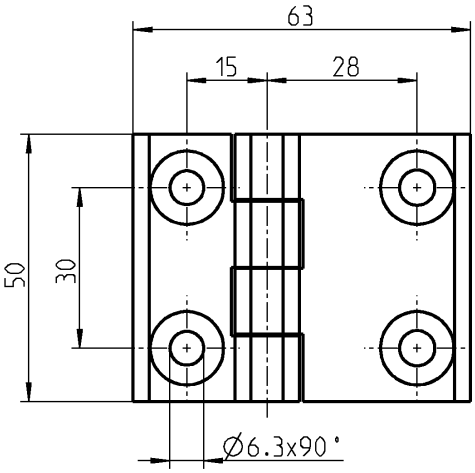
Right-hand version shown
Left-hand version is a mirror-image

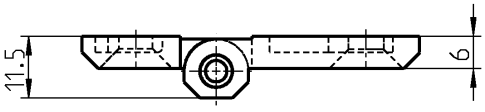


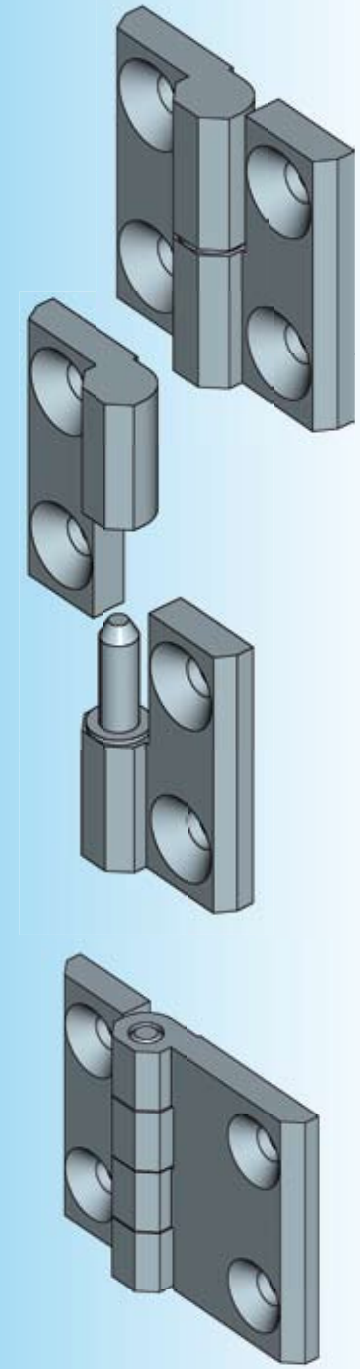


Screw-on hinge AISI 316, washer and pin stainless steel, for countersunk screw M8	
LH version	1056-U58-PH
RH version	1056-U57-PH









Screw-on hinge AISI 316, pin stainless steel, for countersunk screw M6	
(2D-nut possible)	1056-U59-PH

Further parts see page
– 2D-nut 12E-120

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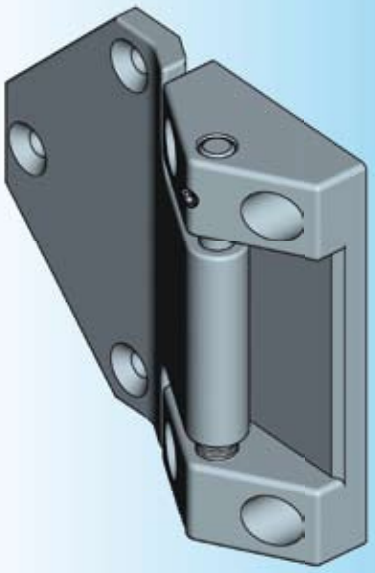
Beschlagteile

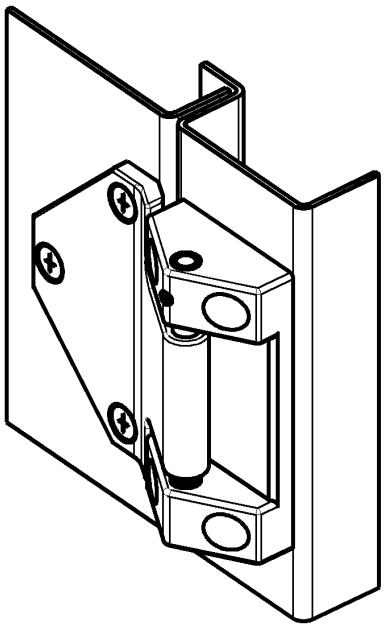
180° screw-on hinge stainless steel adjustable

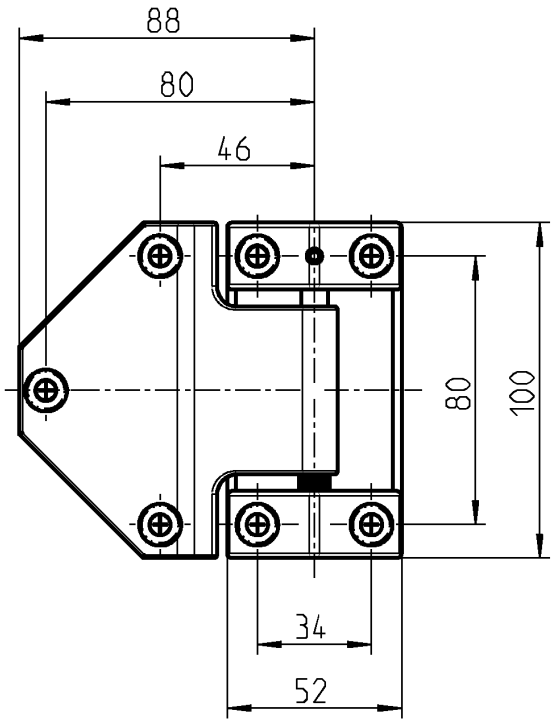
PROGRAM 1054



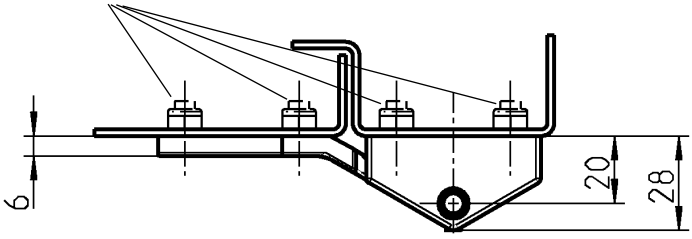
EDELSTAHL Rostfrei STAINLESS STEEL







* Countersunk screw small head M6x…



Height adjustment ±4 mm

RH- or LH-version by turning around the door part

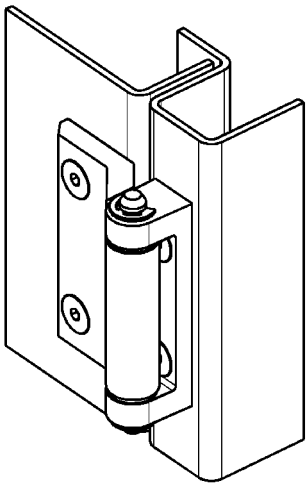
* not included

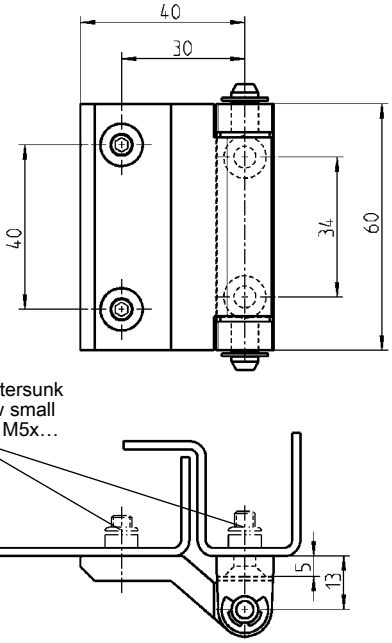
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

screw-on hinge adjustable AISI 316, washer and pin stainless steel	
	1054-U39

Stainless steel - 180° Screw-on hinge
Stainless steel hinge

PROGRAM 1033, 1054





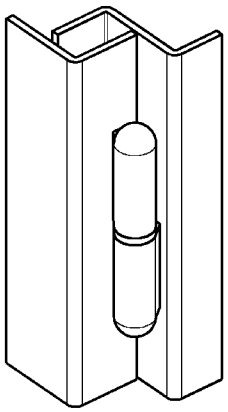


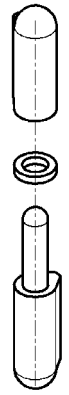
Screw on hinge AISI 316, bushes polyamide

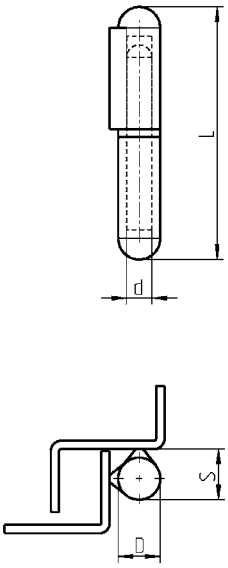
	1054-U5-PH

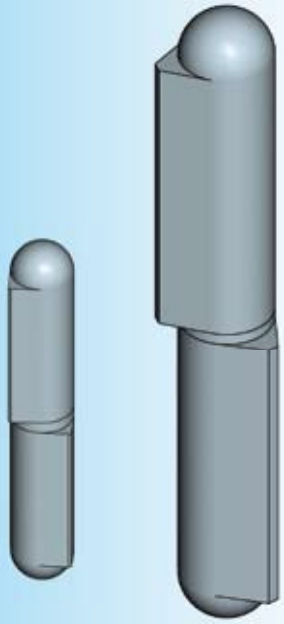
* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047









Hinge with captive pin AISI 304

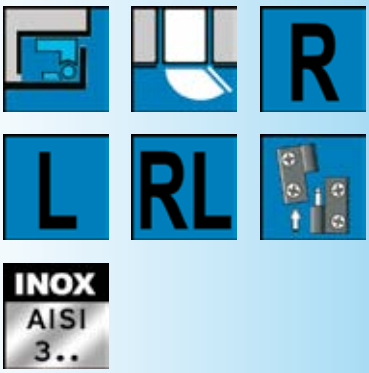
L	D	d	S			L	D	d	S		
40	8	5	9,5		1033-U76	120	16	11	20,0		1033-U73
50	8	5	9,5		1033-U77	135	18	12	22,0		1033-U79
60	10	6	13,5		1033-U70	150	20	13	25,0		1033-U74
70	11,5	7	13,5		1033-U78	180	20	14	25,0		1033-U75
80	13	8	15,5		1033-U71	200	23	16	28,5		-
100	16	11	20,0		1033-U72						

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Beschlagteile

Pin hinge stainless steel

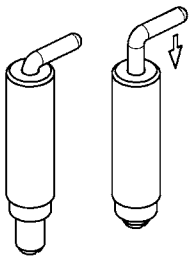
PROGRAM 1117

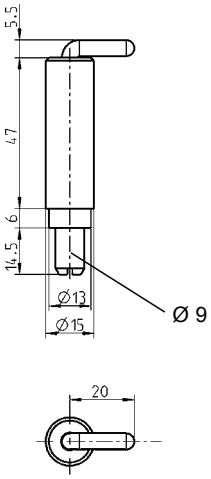


EDELSTAHL Rost frei STAINLESS STEEL



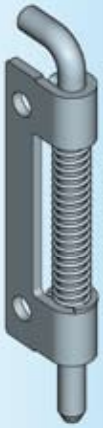
Spring loaded



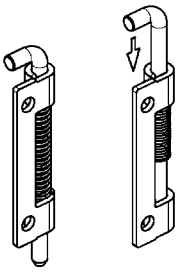


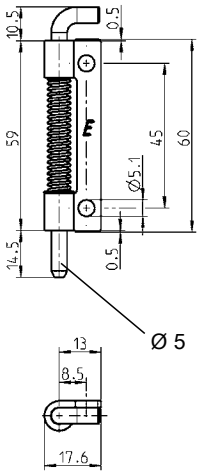
Pin hinge AISI 304, pin AISI 303, spring stainless steel	
	1117-U1-PF

EDELSTAHL Rost frei STAINLESS STEEL



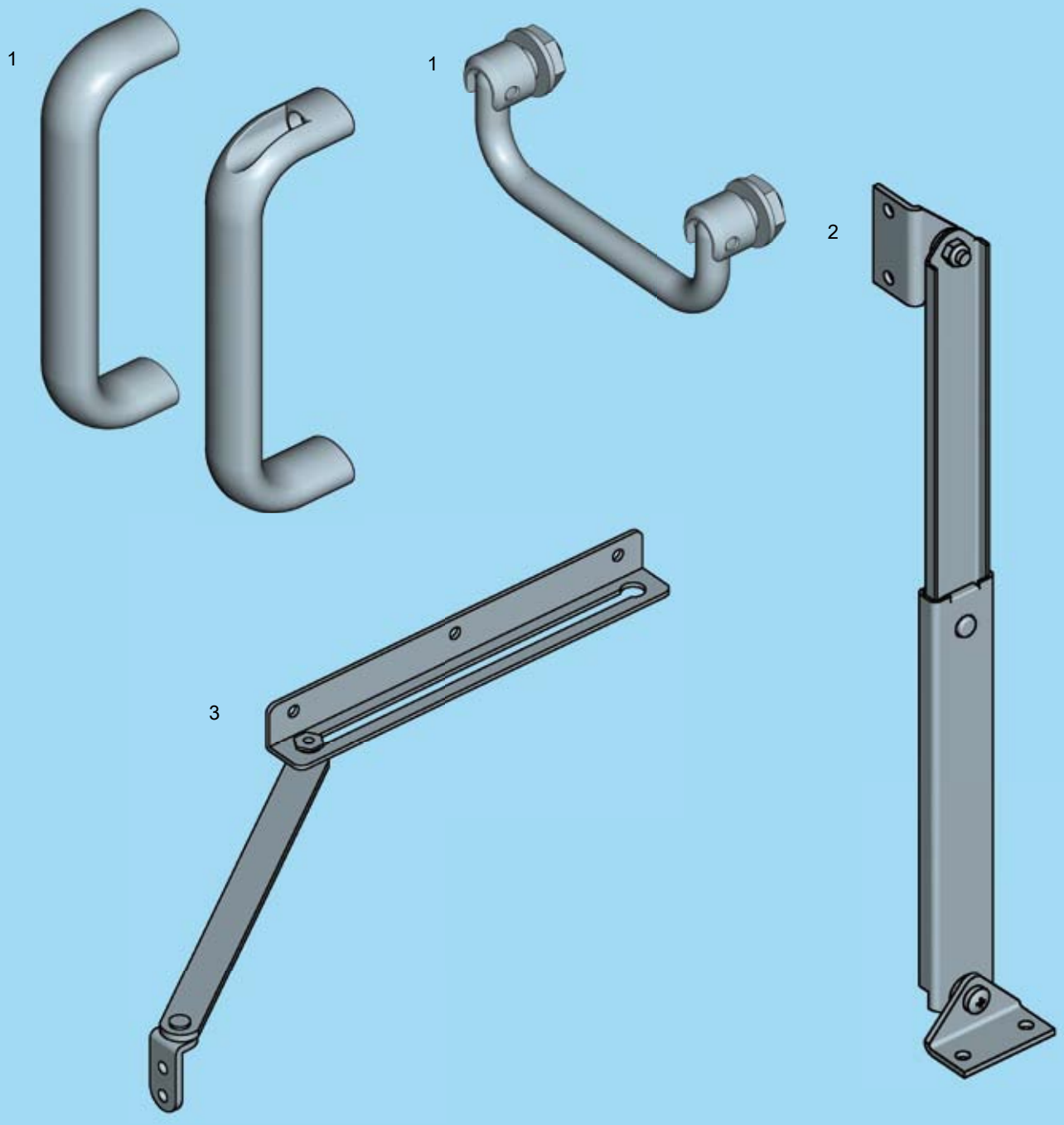
Spring loaded





Pin hinge AISI 304, pin AISI 303, spring stainless steel	
RH	1117-U4-PC
LH	1117-U5-PC

Stainless steel program
Miscellaneous



1	Handles	8C-320
2	Telescopic cover stay	8C-520
3	Door stop	8C-540

EMKA

Beschlagteile

® Stainless steel bow-type handle
Stainless steel folding handle

PROGRAM 1095

INOX AISI 3..

Version 1



Version 2

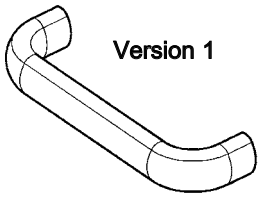


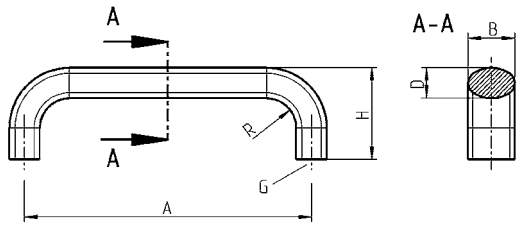


Fixing material is not included in delivery.

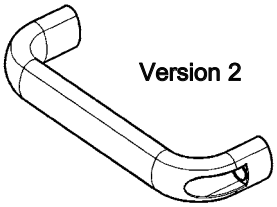
EDELSTAHL Rost frei STAINLESS STEEL

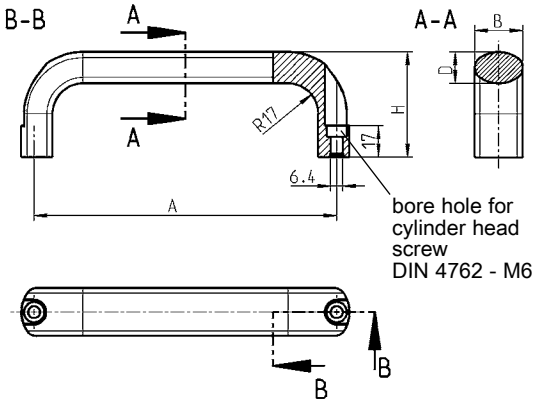
Version 1





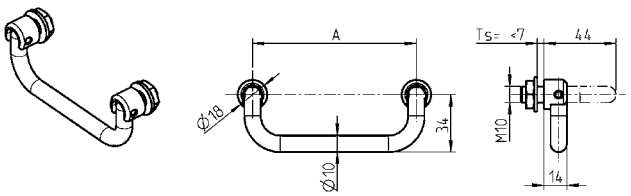
Version 2





Bow-type handle AISI							
Version 1							
A	**B**	**D**	**G**	**H**	**R**		**AISI 304**
112	20	13	M6x10	49	13		1095-26-112PC
128	20	13	M6x10	51	13		1095-26-128PC
Version 2							
A	**B**	**D**		**H**			**AISI 316**
116	26	17		53			1095-28-116PH

EDELSTAHL Rost frei STAINLESS STEEL



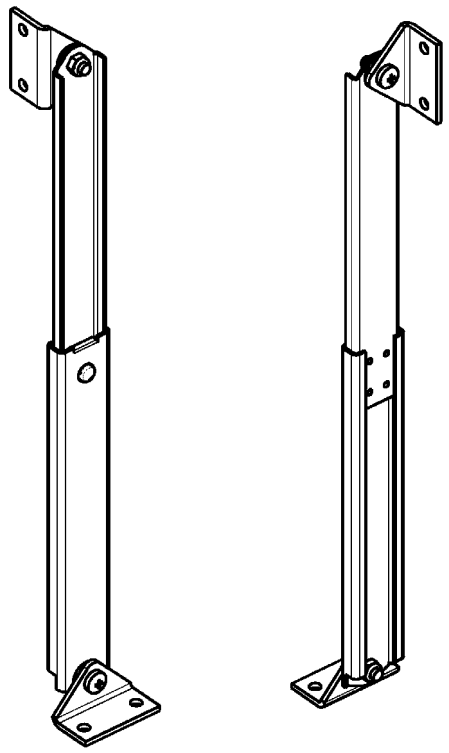
Folding handle AISI 303, fixing material AISI 303	
A	
100	1095-U32-100PF
120	1095-U32-120PF
180	1095-U32-180PF

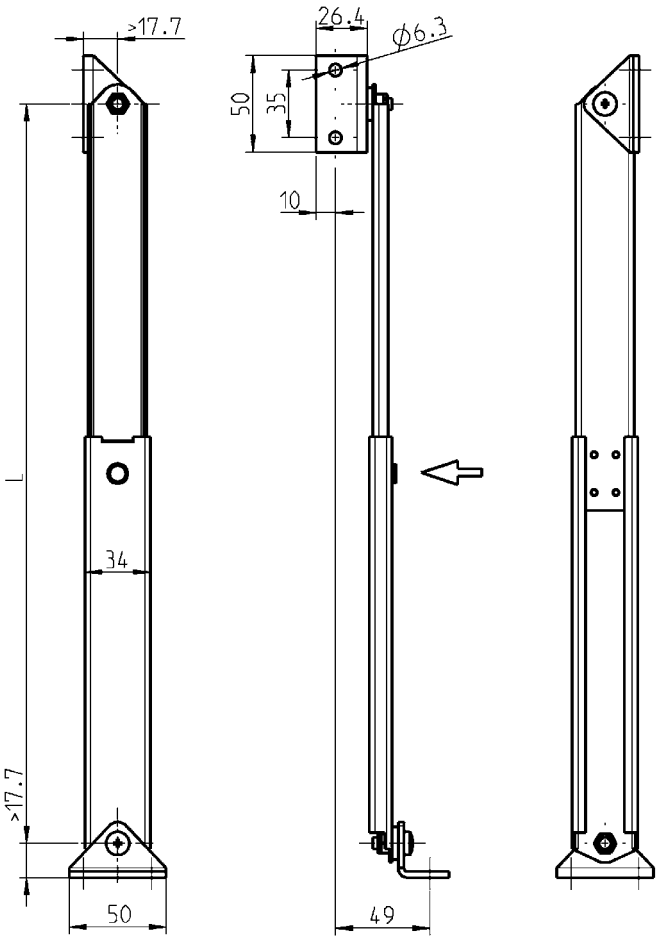
Stainless steel telescopic cover stay with push button for unlocking

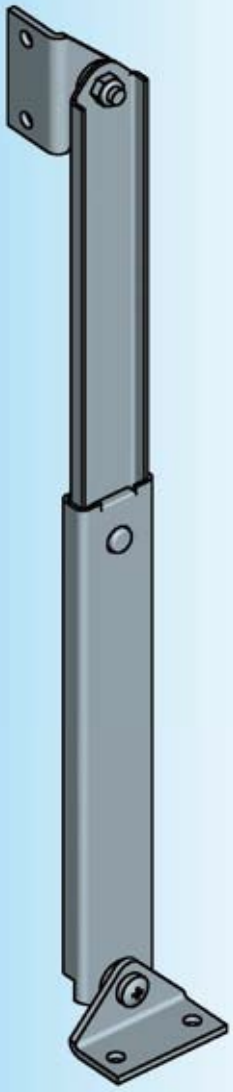
PROGRAM 1097

EDELSTAHL Rost frei STAINLESS STEEL

RL 2D INOX AISI 3..







Telescopic cover stay AISI 304, push button AISI 303			
	retracted	extended	
Dimension L	213	382	1097-U5-PC

Further parts see page
– Hinge chapter 8B
– 2D-nut 12E-120

EMKA®

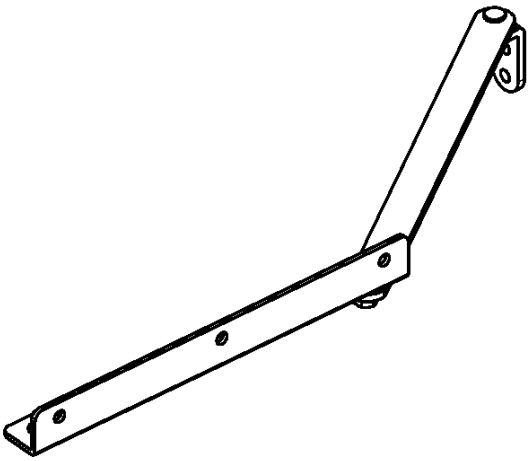
Beschlagteile

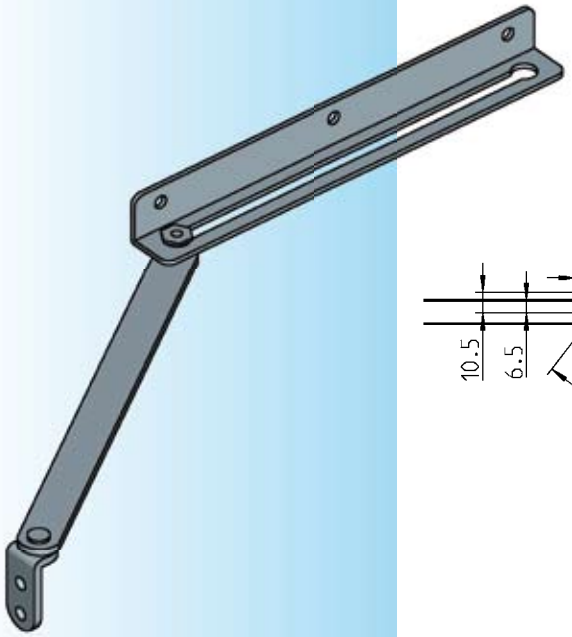
Stainless steel door stop

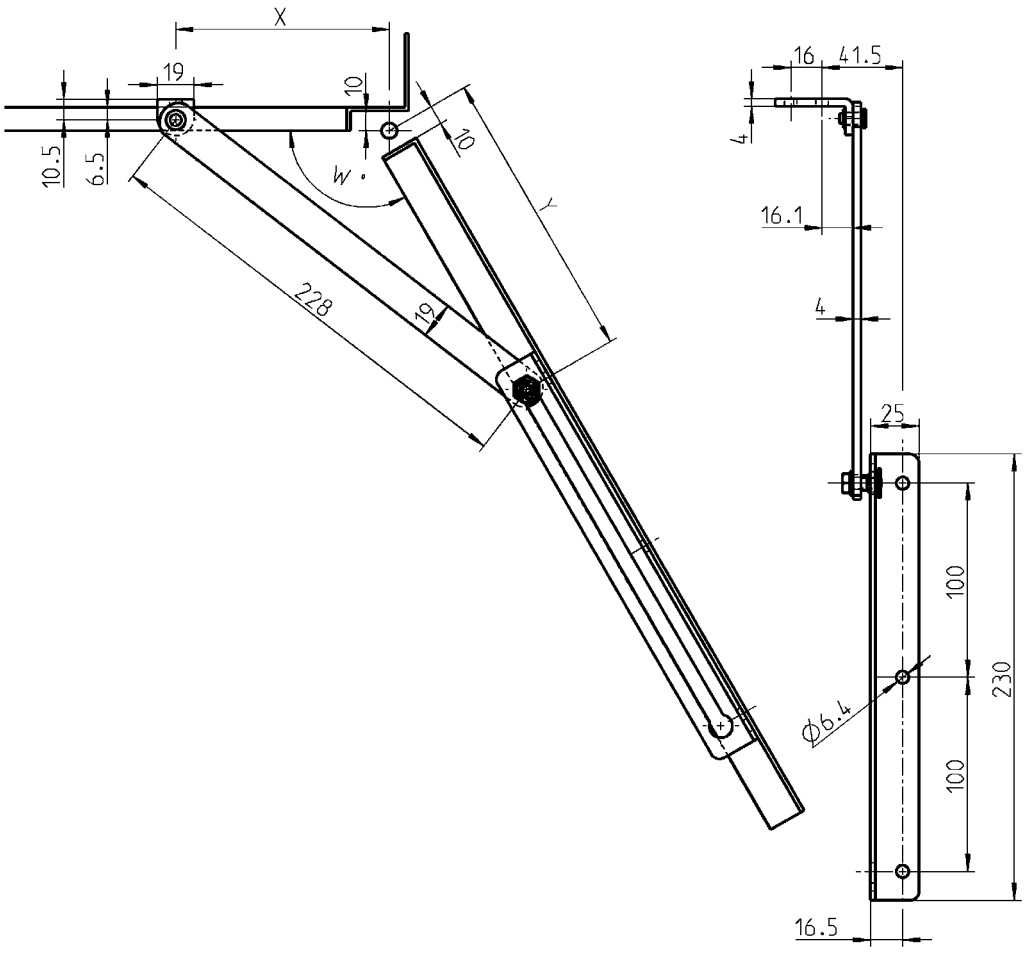
PROGRAM 1087

RL | 2D | INOX AISI 3..

EDELSTAHL Rostfrei STAINLESS STEEL







W	X	Y	minimal door width
90°	140	180	403
105°	120	166	389
120°	110	150	373
135°	100	146	369
in case of other variations y = x + >40			

Further parts see page
– Hinge chapter 8B
– 2D-nut 12E-120

Door stop AISI 304, locking bush and rivet AISI 303

1087-U1-PC

Toggle latch and hook
Program 6000

1



2



3



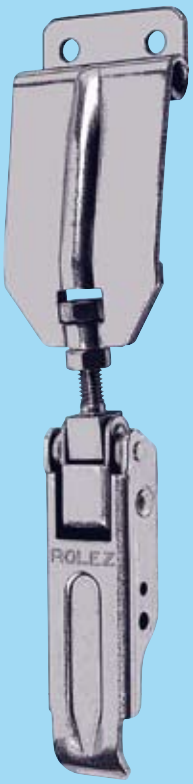
3



4



5



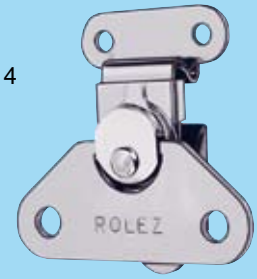
6



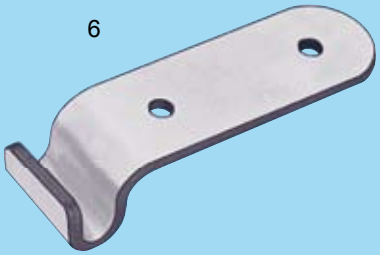
6



4



6



1	Wire toggle latch	9A-120
2	Rigid wire toggle latch	9A-160
3	Spring loaded toggle latch	9A-220 to 9A-240
4	Special toggle latch	9A-260, 9A-280
5	Adjustable toggle latch	9A-320
6	Catch plate	9A-520 to 9A-660

New
Surface with steel parts:
zinc plated, thick-film passivated (DS)
and Top Coat sealed.

9A-100

EMKA®

Beschlagteile

Wire toggle latches

PROGRAM 6000

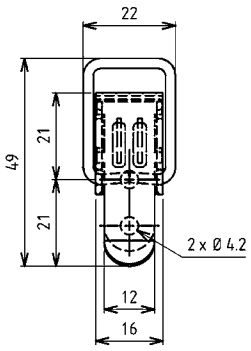
INOX AISI 3..

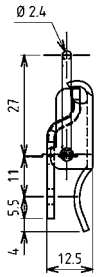


Further parts see page
possible catch plates

6010-01-xxx	9A-520
6010-11-xxx	9A-540
6010-08-xxx	9A-620

EDELSTAHL Rostfrei STAINLESS STEEL





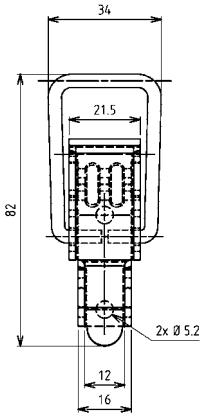
Toggle latch	Without padlock-facility	With padlock-facility
Raw steel drilled	6000-U42-KA	6000-U43-KA
Raw steel undrilled	6000-U42-01KA	6000-U43-01KA
Zinc plated steel DS plus Top Coat drilled	6000-U42-JQ	6000-U43-JQ
AISI 304 drilled	6000-U42-PC	6000-U43-PC
AISI 304, undrilled	6000-U42-01PC	6000-U43-01PC

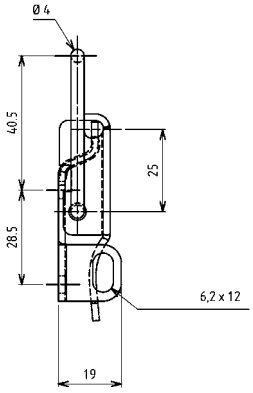


Further parts see page
possible catch plates

6010-02-xxx	9A-520
6010-03-xxx	9A-520
6010-09-xxx	9A-620

EDELSTAHL Rostfrei STAINLESS STEEL





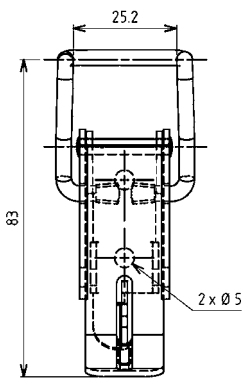
Toggle latch	Without padlock-facility	With padlock-facility
Raw steel drilled	6000-U44-KA	6000-U45-KA
Raw steel undrilled	6000-U44-01KA	6000-U45-01KA
Zinc plated steel DS plus Top Coat drilled	6000-U44-JQ	6000-U45-JQ
AISI 304 drilled	6000-U44-PC	6000-U45-PC
AISI 304, undrilled	6000-U44-01PC	6000-U45-01PC

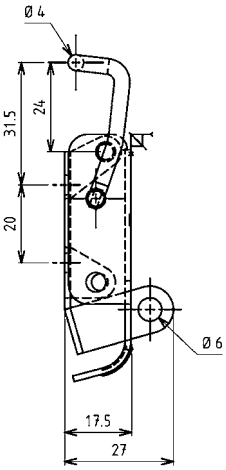


Further parts see page
possible catch plates

6010-02-xxx	9A-520
6010-09-xxx	9A-620

EDELSTAHL Rostfrei STAINLESS STEEL

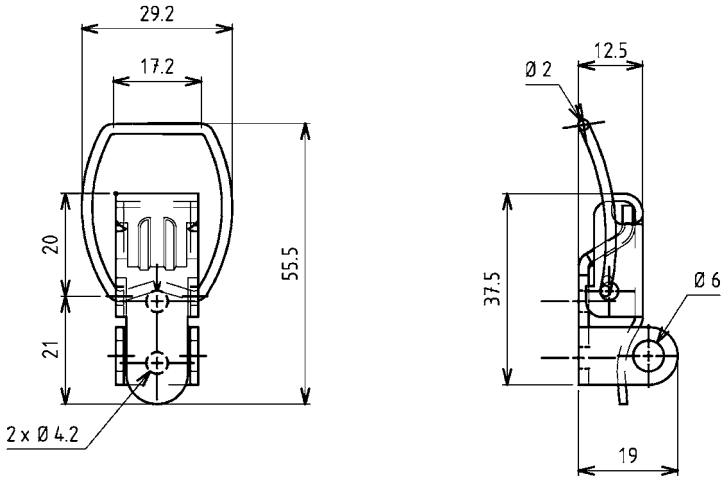




Toggle latch	Without padlock-facility	With padlock-facility
Zinc plated steel DS plus Top Coat drilled	6000-U135-JQ	6000-U635-JQ
AISI 304 drilled	6000-U135-PC	6000-U635-PC

Flexible wire toggle latches

PROGRAM 6000



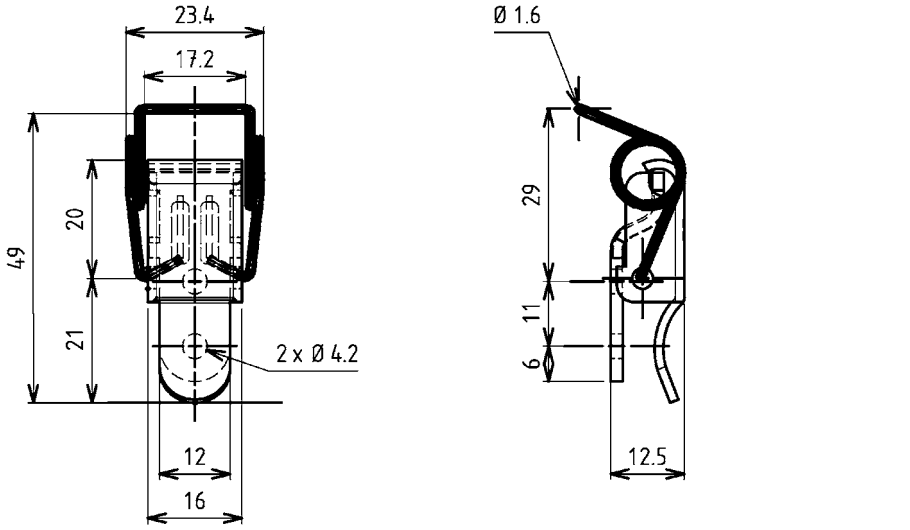
Toggle latch	Without padlock-facility	With padlock-facility
Zinc plated steel DS plus Top Coat drilled	6001-U32-JQ	6001-U33-JQ

INOX AISI 3..



Further parts see page
possible catch plates

6010-01-xxx	9A-520
6010-11-xxx	9A-540
6010-08-xxx	9A-620

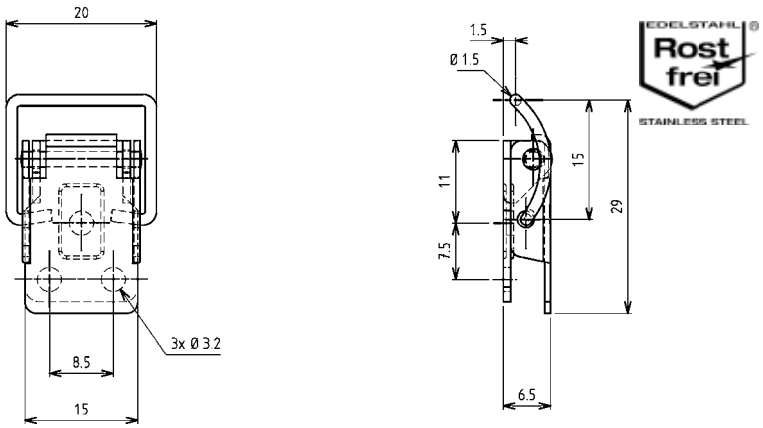


Toggle latch	Without padlock-facility
Zinc plated steel DS plus Top Coat drilled	6001-U36-JQ



Further parts see page
possible catch plates

6010-01-xxx	9A-520
6010-11-xxx	9A-540
6010-08-xxx	9A-620



Toggle latch	Without padlock-facility
Raw steel drilled	6001-U139-KA
Zinc plated steel DS plus Top Coat drilled	6001-U139-JQ
AISI 304 drilled	6001-U139-PC



Further parts see page
possible catch plates

6010-139-xxx	9A-560

EMKA®

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Rigid wire toggle latches

PROGRAM 6000

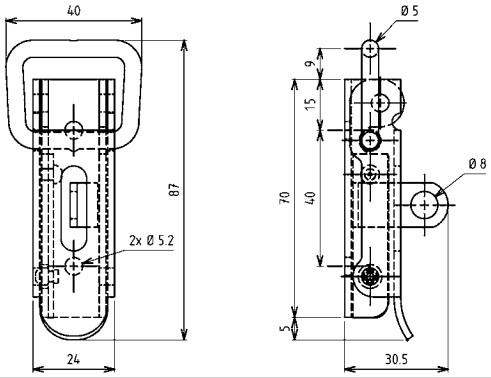
INOX AISI 3..



Further parts see page
possible catch plates

6010-12-xxx	9A-620
6010-13-xxx	9A-640
6010-14-xxx	9A-640
6010-339-xxx	9A-640
6010-958-xxx	9A-660

EDELSTAHL Rostfrei STAINLESS STEEL



Toggle latch with high opening resistance

	Without padlock-facility	With padlock-facility
Zinc plated steel DS plus Top Coat drilled	6002-U75-JQ	6002-U74-JQ

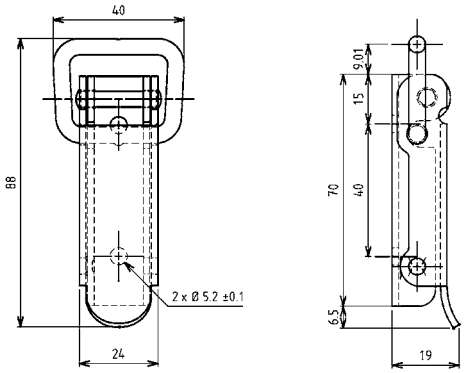
Toggle latch with low opening resistance

	Without padlock-facility	With padlock-facility
Zinc plated steel DS plus Top Coat drilled	6002-U77-JQ	6002-U73-JQ
AISI 304 drilled	6002-U77-PC	6002-U73-PC



Further parts see page
possible catch plates

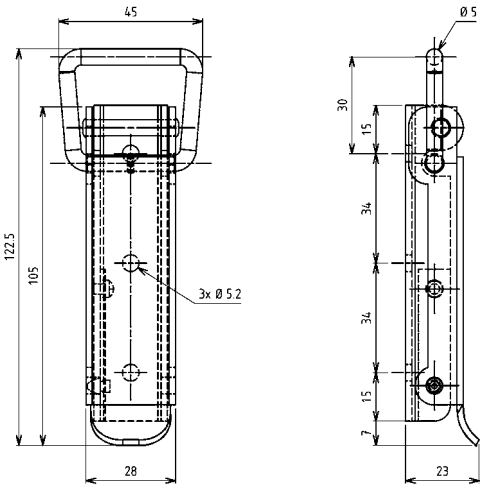
6010-12-xxx	9A-620
6010-13-xxx	9A-640
6010-14-xxx	9A-640
6010-339-xxx	9A-640
6010-958-xxx	9A-660



Toggle latch with low opening resistance, economic version

	Without padlock-facility	With padlock-facility
Zinc plated steel, drilled	6002-U76-JB	-

EDELSTAHL Rostfrei STAINLESS STEEL



Toggle latch with high opening resistance

	Without padlock-facility	With padlock-facility
Raw steel drilled	6002-U15-KA	6002-U14-KA
Zinc plated steel DS plus Top Coat drilled	6002-U15-JQ	6002-U14-JQ
AISI 304 drilled	6002-U15-PC	6002-U14-PC

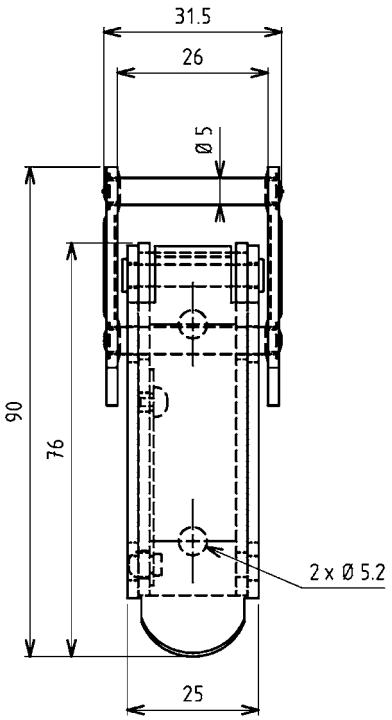


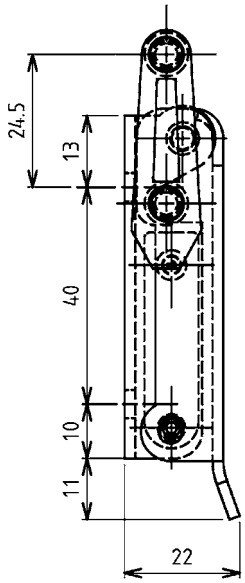
Further parts see page
possible catch plates

6010-16-xxx	9A-660
6010-17-xxx	9A-660

Toggle latch with links

PROGRAM 6000





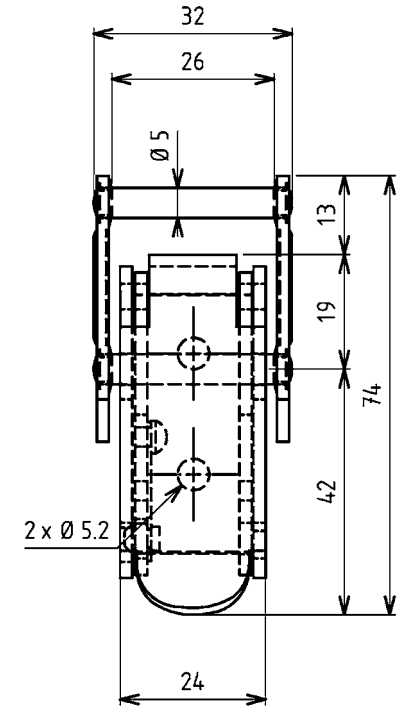
Toggle latch with low opening resistance		
	Without padlock-facility	With padlock-facility
Zinc plated steel DS plus Top Coat drilled	6003-U79-JQ	6003-U80-JQ

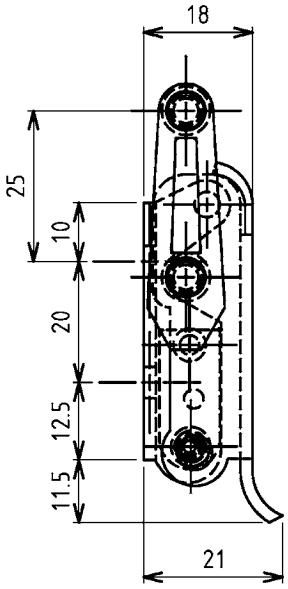
INOX AISI 3..



Further parts see page
possible catch plates

6010-12-xxx	9A-620
6010-13-xxx	9A-640
6010-14-xxx	9A-640
6010-958-xxx	9A-660
– Back plate	9A-680





Toggle latch with low opening resistance	
	Without padlock-facility
Zinc plated steel DS plus Top Coat drilled	6003-U71-JQ
AISI 304 drilled	6003-U71-PC



Further parts see page
possible catch plates

6010-12-xxx	9A-620
6010-13-xxx	9A-640
6010-14-xxx	9A-640
6010-958-xxx	9A-660

EMKA®

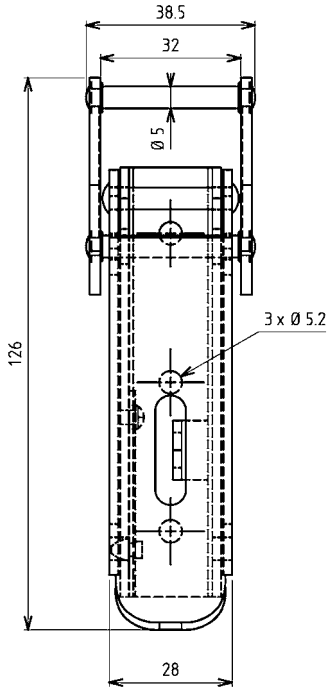
Beschlagteile

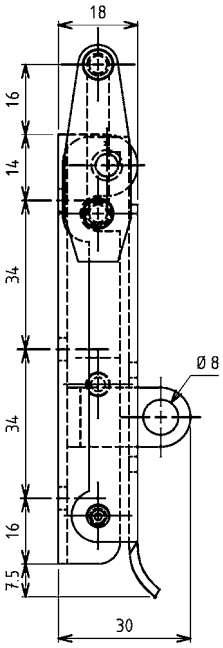
Toggle latch with links

PROGRAM 6000

INOX AISI 3..







Further parts see page
possible catch plates

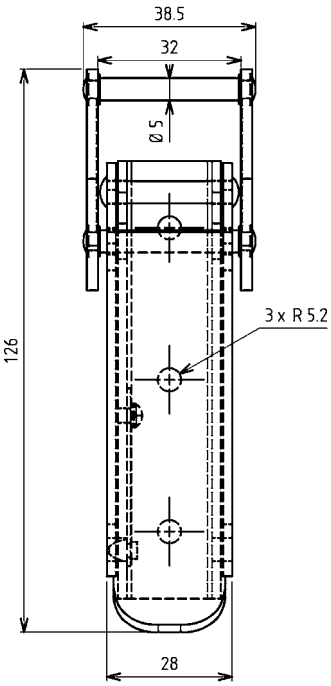
6010-12-xxx	9A-620
6010-13-xxx	9A-640
6010-14-xxx	9A-640
6010-339-xxx	9A-640
6010-958-xxx	9A-660

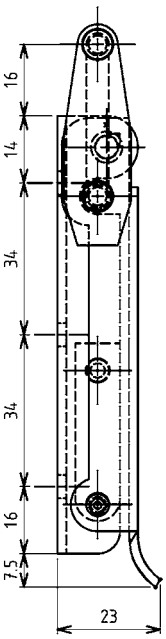
Toggle latch with high opening resistance

	Without padlock-facility	With padlock-facility
Zinc plated steel DS plus Top Coat drilled	6003-U82-JQ	6003-U81-JQ

EDELSTAHL Rost frei STAINLESS STEEL







Further parts see page
possible catch plates

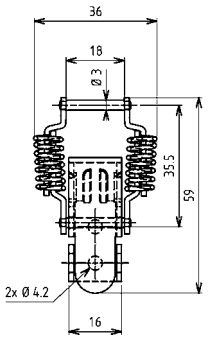
6010-12-xxx	9A-620
6010-13-xxx	9A-640
6010-14-xxx	9A-640
6010-958-xxx	9A-660

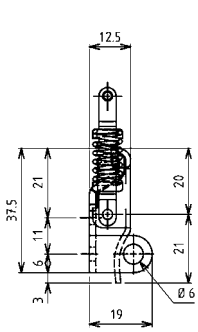
Toggle latch with low opening resistance

	Without padlock-facility
AISI 304 drilled	6003-U86-PC

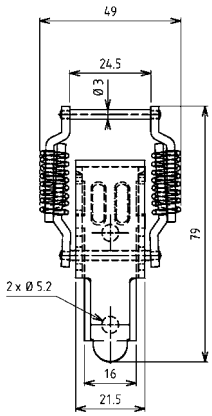
Spring loaded toggle latches

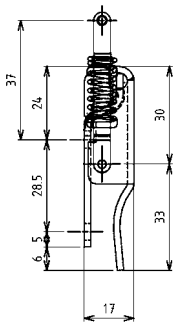
PROGRAM 6000



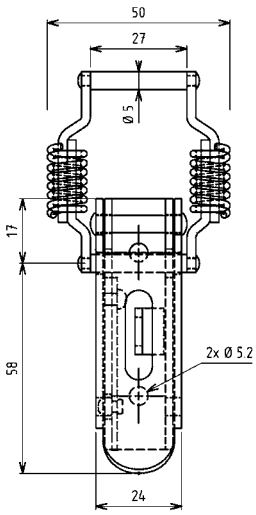


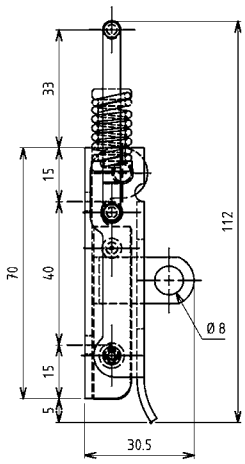
Toggle latch	Without padlock-facility	With padlock-facility
Raw steel drilled	6004-U22-KA	6004-U23-KA
Zinc plated steel DS plus Top Coat drilled	6004-U22-JQ	6004-U23-JQ
AISI 304 drilled	6004-U22-PC	6004-U23-PC





Toggle latch	Without padlock-facility	With padlock-facility
Raw steel drilled	6004-U24-KA	6004-U25-KA
Zinc plated steel DS plus Top Coat drilled	6004-U24-JQ	6004-U25-JQ
AISI 304 drilled	6004-U24-PC	6004-U25-PC





Toggle latch with high opening resistance		
	Without padlock-facility	With padlock-facility
Raw steel drilled	6004-U26-KA	6004-U37-KA
Zinc plated steel DS plus Top Coat drilled	6004-U26-JQ	6004-U37-JQ



Further parts see page
possible catch plates

6010-04-xxx	9A-520
6010-05-xxx	9A-540
6010-08-xxx	9A-620
6010-243-xxx	9A-570
6010-316-xxx	9A-570



Further parts see page
possible catch plates

6010-06-xxx	9A-540
6010-09-xxx	9A-620
6010-12-xxx	9A-620
6010-315-xxx	9A-570
6010-316-xxx	9A-570
6010-958-xxx	9A-660



Further parts see page
possible catch plates

6010-12-xxx	9A-620
6010-13-xxx	9A-640
6010-14-xxx	9A-640
6010-339-xxx	9A-640
6010-958-xxx	9A-660

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Beschlagteile

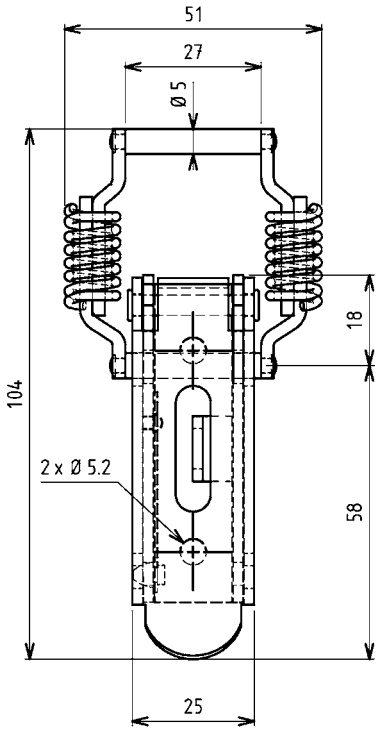
Spring loaded toggle latches

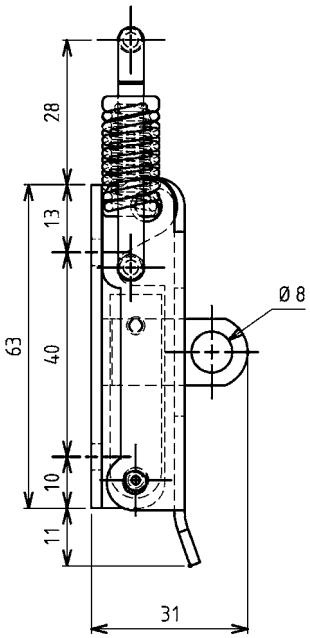
PROGRAM 6000



Further parts see page
possible catch plates

6010-12-xxx	9A-620
6010-13-xxx	9A-640
6010-14-xxx	9A-640
6010-339-xxx	9A-640
6010-958-xxx	9A-660





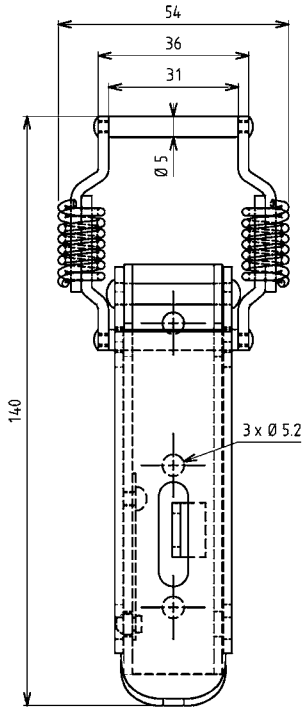
Toggle latch with low opening resistance

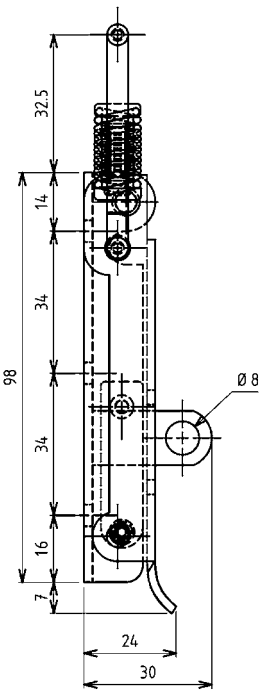
	Without padlock-facility	With padlock-facility
Raw steel drilled	6004-U30-KA	6004-U31-KA
Zinc plated steel DS plus Top Coat drilled	6004-U30-JQ	6004-U31-JQ



Further parts see page
possible catch plates

6010-15-xxx	9A-640
6010-16-xxx	9A-660
6010-17-xxx	9A-660



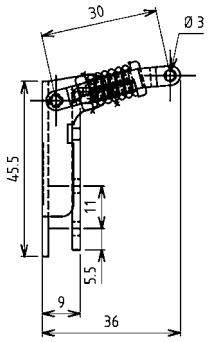


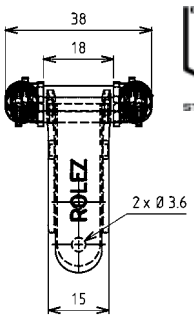
Toggle latch with high opening resistance

	Without padlock-facility	With padlock-facility
Zinc plated steel DS plus Top Coat drilled	6004-U27-JQ	6004-U34-JQ

Spring loaded toggle latches

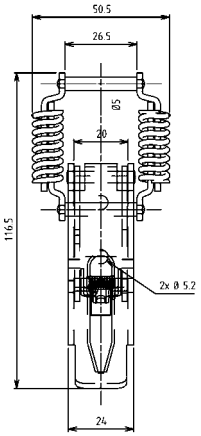
PROGRAM 6000

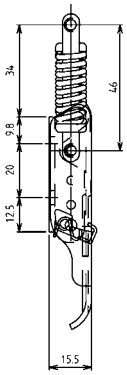




EDELSTAHL Rost frei STAINLESS STEEL

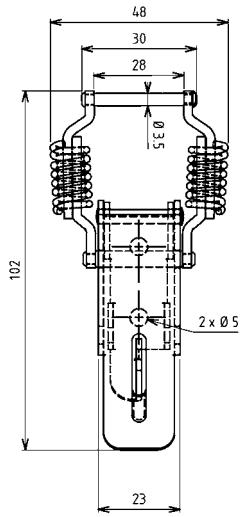
Toggle latch with corner function	
	Without padlock-facility
Zinc plated steel DS plus Top Coat drilled	6004-U20-JQ
AISI 304 drilled	6004-U20-PC

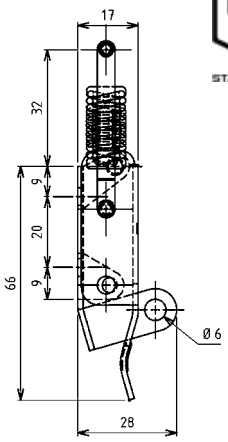




EDELSTAHL Rost frei STAINLESS STEEL

Toggle latch	Without locking latch	With locking latch
Zinc plated steel DS plus Top Coat drilled	6004-U17-JQ	6004-U517-JQ
AISI 304 drilled	6004-U17-PC	6004-U517-PC

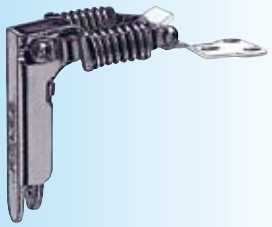




EDELSTAHL Rost frei STAINLESS STEEL

Toggle latch with high opening resistance		
	Without padlock-facility	**With padlock-facility**
Raw steel drilled	6004-U18-KA	6004-U518-KA
Zinc plated steel DS plus Top Coat drilled	6004-U18-JQ	6004-U518-JQ

INOX AISI 3..



Further parts see page
possible catch plates

6010-04-xxx	9A-520
6010-05-xxx	9A-540
6010-243-xxx	9A-570
6010-316-xxx	9A-570



Further parts see page
possible catch plates

6010-12-xxx	9A-620
6010-13-xxx	9A-640
6010-14-xxx	9A-640
6010-339-xxx	9A-640
6010-958-xxx	9A-660



Further parts see page
possible catch plates

6010-06-xxx	9A-540
6010-09-xxx	9A-620
6010-12-xxx	9A-620
6010-315-xxx	9A-570
6010-958-xxx	9A-660

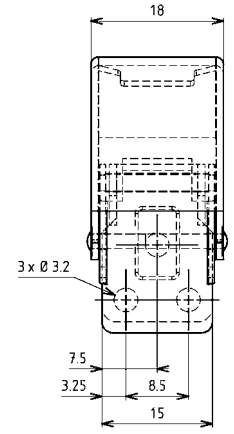
Special toggle latches

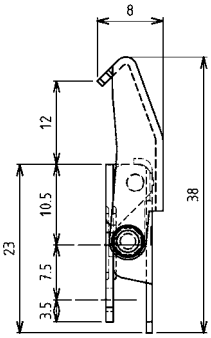
PROGRAM 6000

INOX AISI 3..

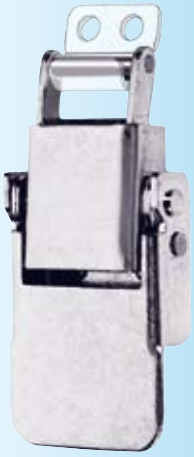


Further parts see page
possible catch plates
6010-200-xxx 9A-560

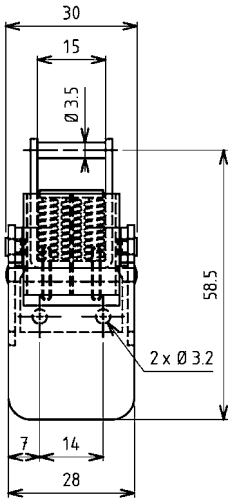


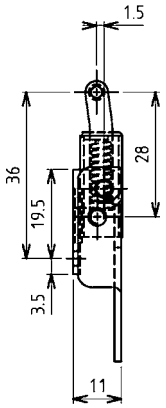


Toggle latch with claw links	
Raw steel drilled	6005-U200-KA
Zinc plated steel DS plus Top Coat drilled	6005-U200-JQ
AISI 304 drilled	6005-U200-PC

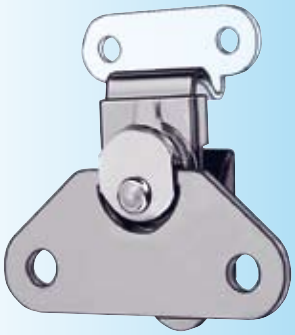


Further parts see page
possible catch plates
6010-07-xxx 9A-540

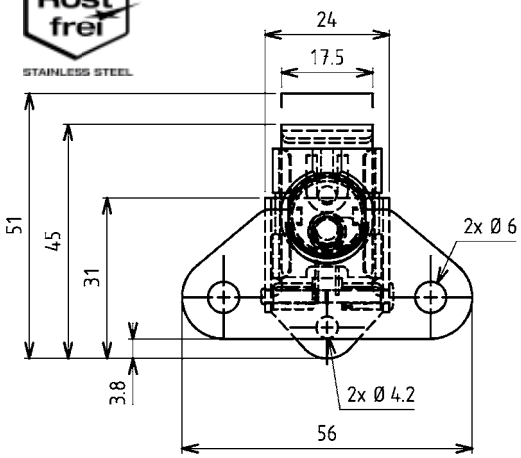


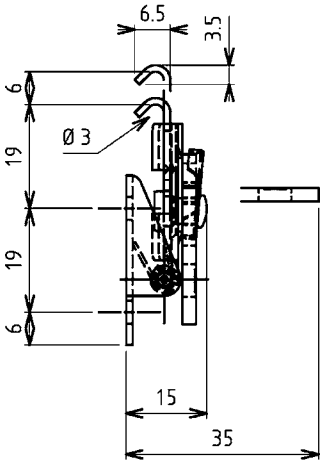


Toggle latch with claw links	
Zinc plated steel DS plus Top Coat drilled	6005-U28-JQ
AISI 304 drilled	6005-U28-PC



Further parts see page
possible catch plates
6010-20-xxx 9A-560

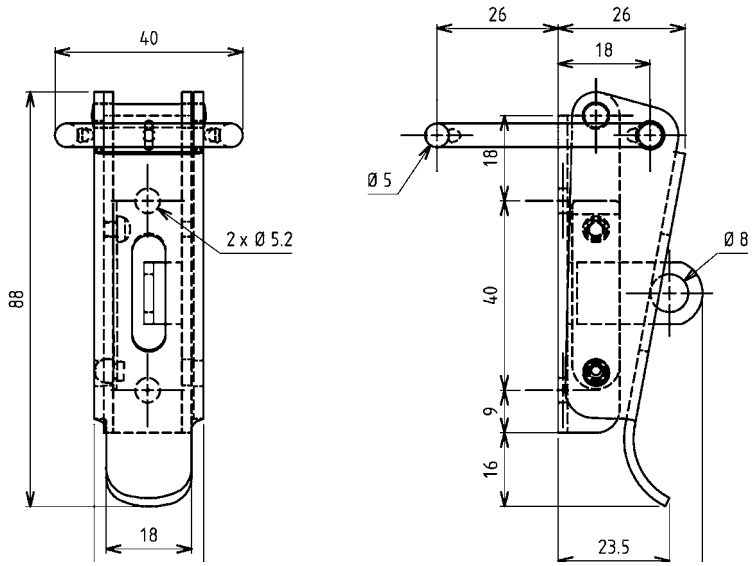




Compression latch	
Zinc plated steel DS plus Top Coat drilled	6006-U10-JQ
AISI 304 drilled	6006-U10-PC

Special toggle latches

PROGRAM 6000





Toggle latch with corner function

	Without padlock-facility	With padlock-facility
Zinc plated steel DS plus Top Coat drilled	6006-U46-JQ	6006-U47-JQ

Further parts see page
possible catch plates
6010-12-xxx 9A-620
6010-958-xxx 9A-660

EMKA

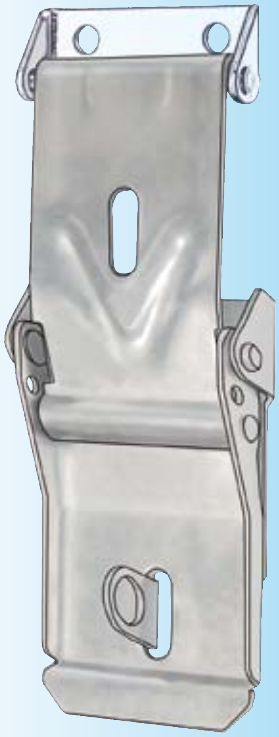
®Adjustable toggle latches

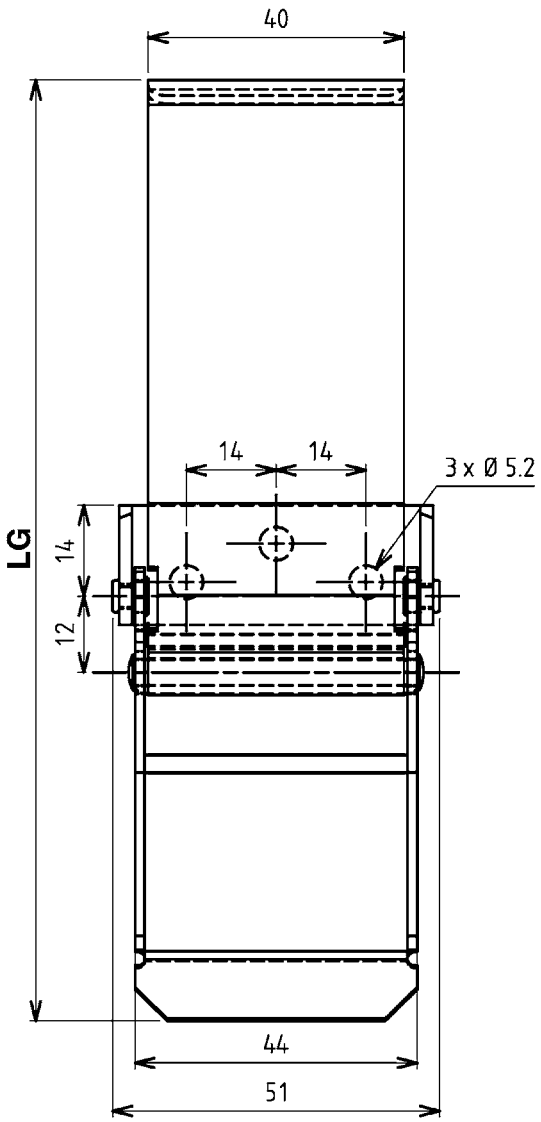
Beschlagteile

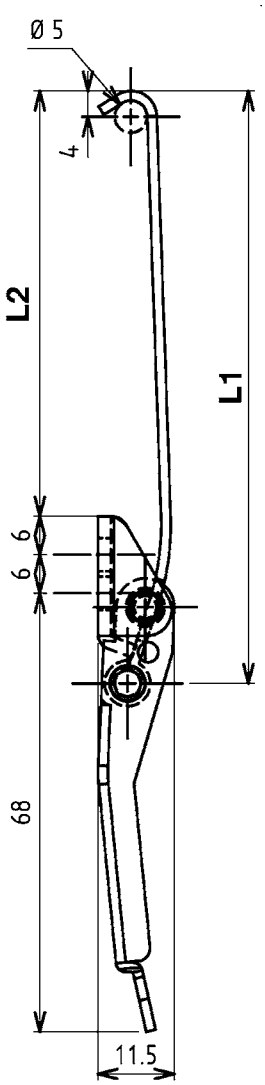
PROGRAM 6000

INOX AISI 3..





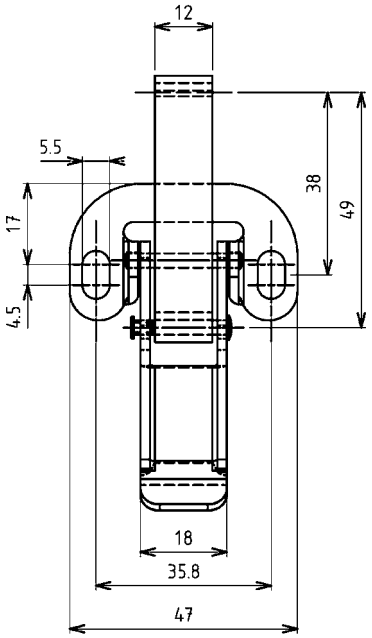


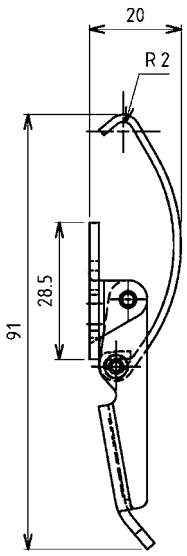


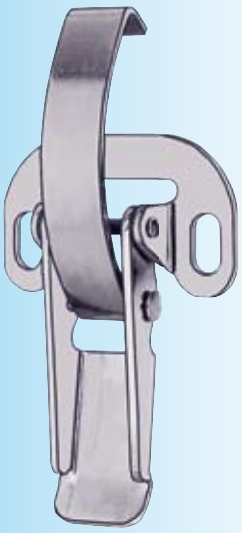
Toggle latch	LG	L1	L2	Without padlock-facility	With padlock-facility
Zinc plated steel DS plus Top Coat drilled	110	56	29	6007-U689-56JQ	
AISI 304 drilled	110	56	29	6007-U689-56PC	
Zinc plated steel DS plus Top Coat drilled	120	67	39	6007-U689-67JQ	6007-U692-67JQ
AISI 304 drilled	120	67	39	6007-U689-67PC	6007-U692-67PC
Zinc plated steel DS plus Top Coat drilled	131	77	50	6007-U689-77JQ	
AISI 304 drilled	131	77	50	6007-U689-77PC	
Zinc plated steel DS plus Top Coat drilled	147	93	66	6007-U689-93JQ	
AISI 304 drilled	147	93	66	6007-U689-93PC	

Further parts see page
possible catch plates
6010-18-xxx 9A-560
6010-261-xxx 9A-580
6010-690-xxx 9A-580
6010-694-xxx 9A-580

PROGRAM 6000



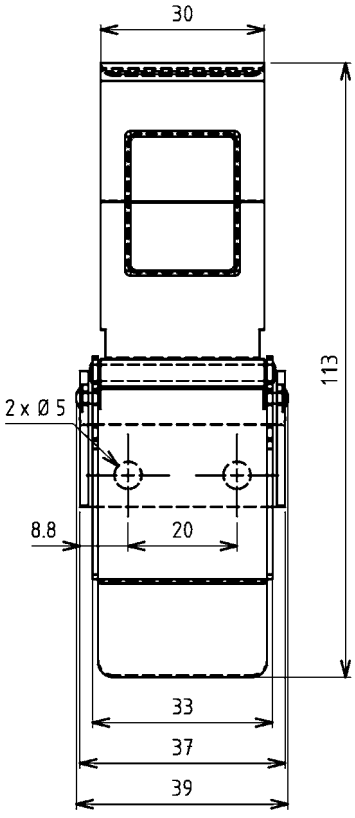


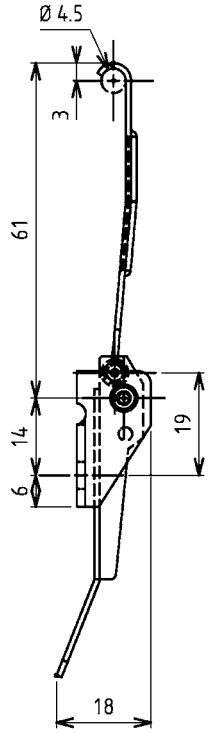


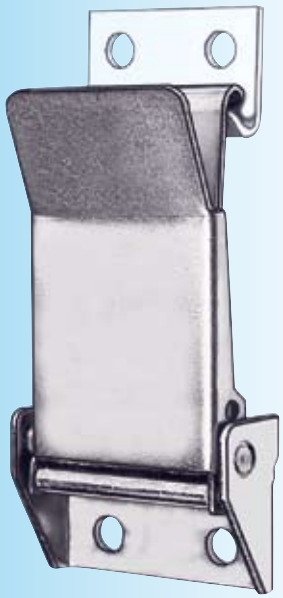
Toggle latch	
Zinc plated steel DS plus Top Coat drilled	6007-U435-JQ
AISI 304 drilled	6007-U435-PC

Further parts see page
possible catch plates

6010-01-xxx	9A-520
6010-05-xxx	9A-540
6010-316-xxx	9A-570







Toggle latch	
Zinc plated steel DS plus Top Coat drilled	6007-U80-JQ
AISI 304 drilled	6007-U80-PC

Further parts see page
possible catch plates

6010-241-xxx	9A-570
6010-866-xxx	9A-580

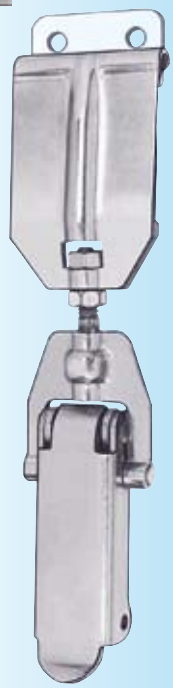
EMKA®

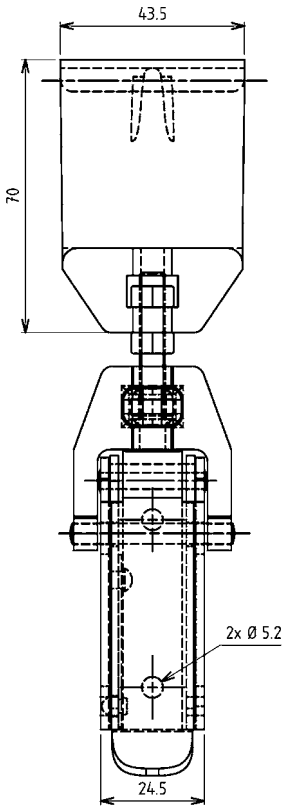
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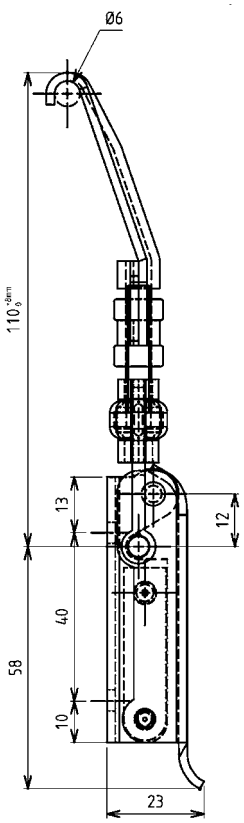
Adjustable toggle latches

PROGRAM 6000

INOX AISI 3..



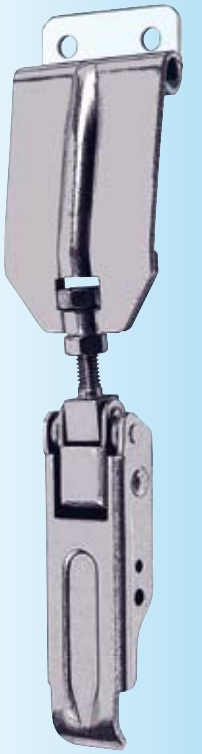


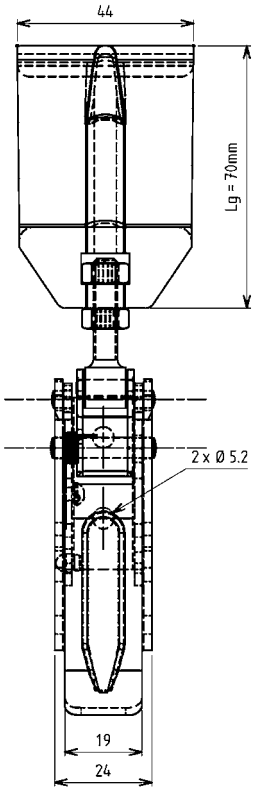


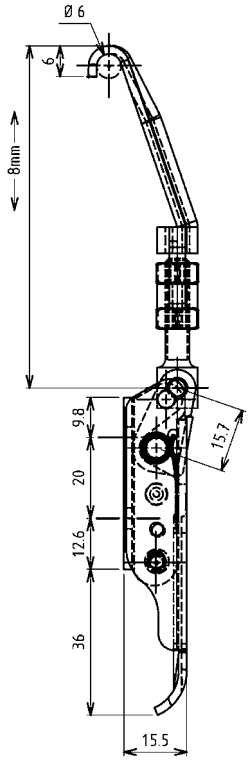
Further parts see page
possible catch plates
6010-18-xxx 9A-560
6010-261-xxx 9A-580

Toggle latch	Without padlock-facility
Zinc plated steel DS plus Top Coat drilled	6008-U364-JQ

EDELSTAHL Rostfrei STAINLESS STEEL





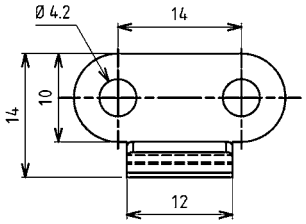


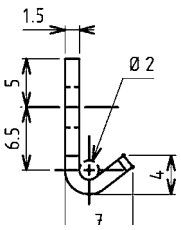
Further parts see page
possible catch plates
6010-18-xxx 9A-560
6010-261-xxx 9A-580

Toggle latch	Without locking latch	With locking latch
Zinc plated steel DS plus Top Coat drilled	6008-U365-JQ	6008-U865-JQ
AISI 304 drilled	6008-U365-PC	6008-U865-PC

Catch plate

PROGRAM 6000





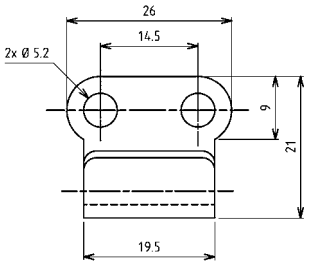
EDELSTAHL Rostfrei STAINLESS STEEL

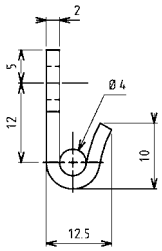
INOX AISI 3..



Catch plate	
Raw steel drilled	6010-01-KA
Raw steel undrilled	6010-01-01KA
Zinc plated steel DS plus Top Coat drilled	6010-01-JQ
AISI 304 drilled	6010-01-PC
AISI 304, undrilled	6010-01-01PC

Further parts see page
– Toggle latch 9A-120
9A-140
9A-310



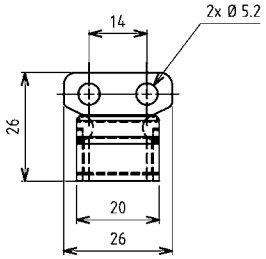


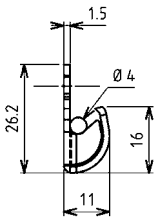
EDELSTAHL Rostfrei STAINLESS STEEL



Catch plate	
Raw steel drilled	6010-02-KA
Raw steel undrilled	6010-02-01KA
Zinc plated steel DS plus Top Coat drilled	6010-02-JQ
AISI 304 drilled	6010-02-PC
AISI 304, undrilled	6010-02-01PC

Further parts see page
– Toggle latch 9A-120



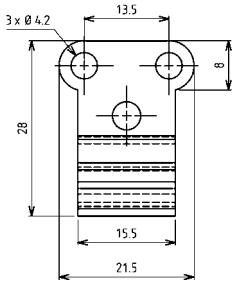


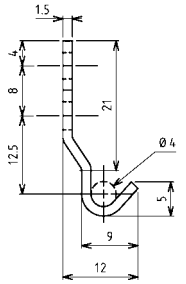
EDELSTAHL Rostfrei STAINLESS STEEL



Catch plate	
Raw steel drilled	6010-03-KA
Zinc plated steel DS plus Top Coat drilled	6010-03-JQ
AISI 304 drilled	6010-03-PC

Further parts see page
– Toggle latch 9A-120





EDELSTAHL Rostfrei STAINLESS STEEL



Catch plate	
Raw steel drilled	6010-04-KA
Zinc plated steel DS plus Top Coat drilled	6010-04-JQ
AISI 304 drilled	6010-04-PC

Further parts see page
– Toggle latch 9A-220
9A-240

EMKA®

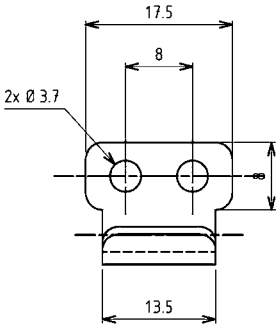
Beschlagteile

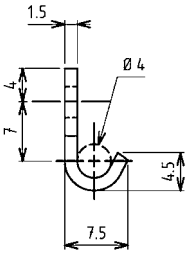
Catch plate

PROGRAM 6000

INOX AISI 3..



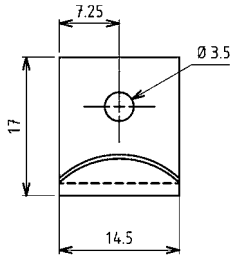


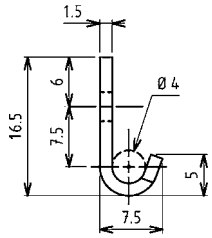


Further parts see page
– Toggle latch 9A-260

Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-07-JQ
AISI 304 drilled	6010-07-PC



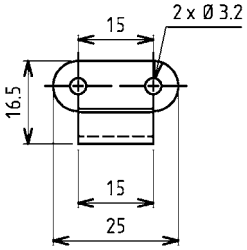


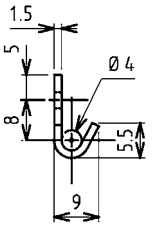


Further parts see page
– Toggle latch 9A-120
9A-140

Catch plate	
Raw steel drilled	6010-11-KA
Bare steel undrilled	6010-11-01KA
Zinc plated steel DS plus Top Coat drilled	6010-11-JQ
AISI 304 drilled	6010-11-PC
AISI 304, undrilled	6010-11-01PC



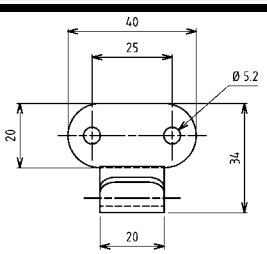


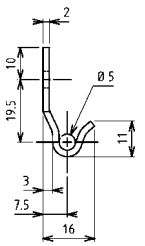


Further parts see page
– Toggle latch 9A-220
9A-240
9A-310

Catch plate	
Bare steel drilled	6010-05-KA
Zinc plated steel DS plus Top Coat drilled	6010-05-JQ
AISI 304 drilled	6010-05-PC





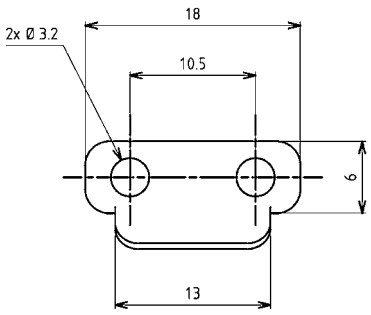


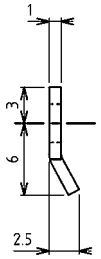
Further parts see page
– Toggle latch 9A-220
9A-240

Catch plate	
Raw steel drilled	6010-06-KA
Zinc plated steel DS plus Top Coat drilled	6010-06-JQ
AISI 304 drilled	6010-06-PC

Catch plate

PROGRAM 6000





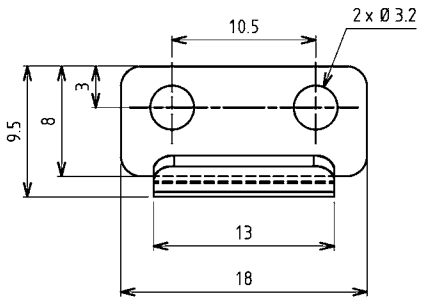
EDELSTAHL Rost frei STAINLESS STEEL

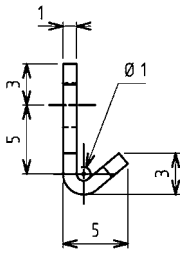
INOX AISI 3..



Catch plate	
Raw steel drilled	6010-200-KA
Zinc plated steel DS plus Top Coat drilled	6010-200-JQ
AISI 304 drilled	6010-200-PC

Further parts see page
– Toggle latch 9A-260



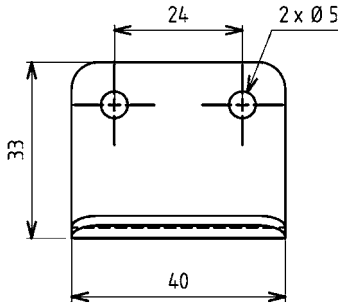


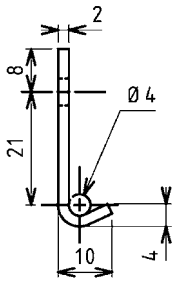
EDELSTAHL Rost frei STAINLESS STEEL



Catch plate	
Raw steel drilled	6010-139-KA
Zinc plated steel DS plus Top Coat drilled	6010-139-JQ
AISI 304 drilled	6010-139-PC

Further parts see page
– Toggle latch 9A-140



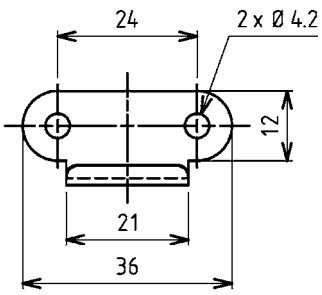


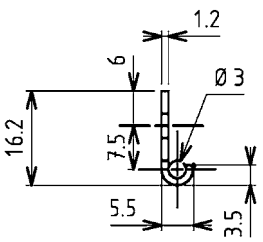
EDELSTAHL Rost frei STAINLESS STEEL



Catch plate	
Raw steel drilled	6010-18-KA
Zinc plated steel DS plus Top Coat drilled	6010-18-JQ
AISI 304 drilled	6010-18-PC

Further parts see page
– Toggle latch 9A-320





EDELSTAHL Rost frei STAINLESS STEEL



Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-20-JQ
AISI 304 drilled	6010-20-PC

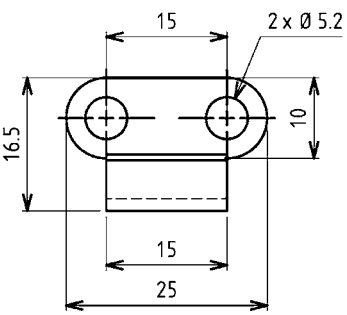
Further parts see page
– Toggle latch 9A-260

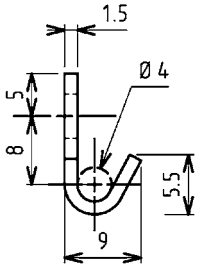
Catch plate

PROGRAM 6000



Further parts see page
– toggle latch 9A-220
9A-240
9A-310

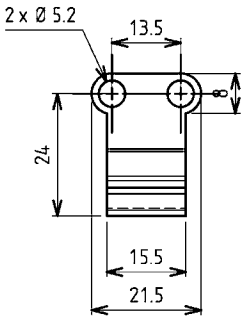


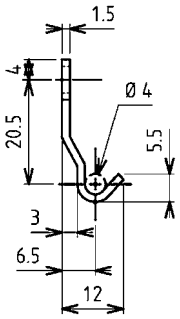


Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-316-JQ



Further parts see page
– Toggle latch 9A-220
9A-240

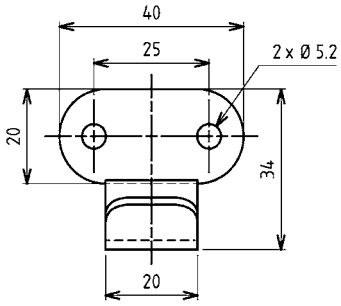


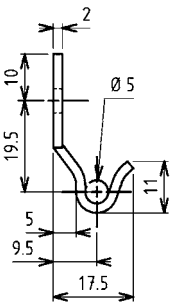


Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-243-JQ



Further parts see page
– Toggle latch 9A-220
9A-240

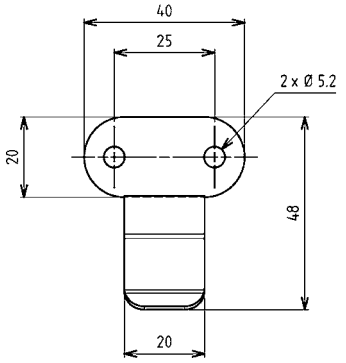


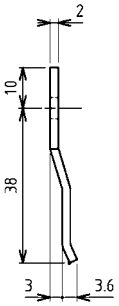


Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-315-JQ



Further parts see page
– Toggle latch 9A-310

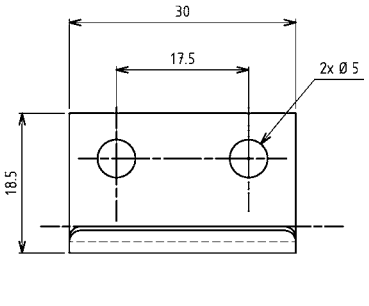


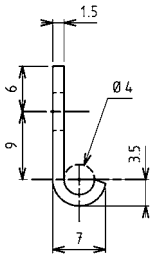


Hook	
Zinc plated steel DS plus Top Coat drilled	6010-241-JQ

Catch plate

PROGRAM 6000





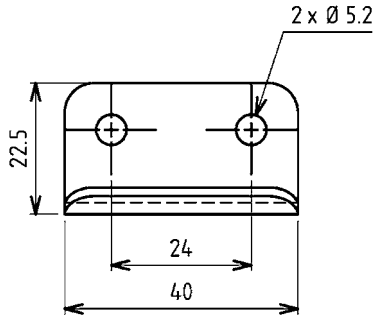
EDELSTAHL Rostfrei STAINLESS STEEL

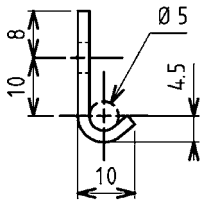
INOX AISI 3..



Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-866-JQ
AISI 304 drilled	6010-866-PC

Further parts see page
– Toggle latch 9A-310



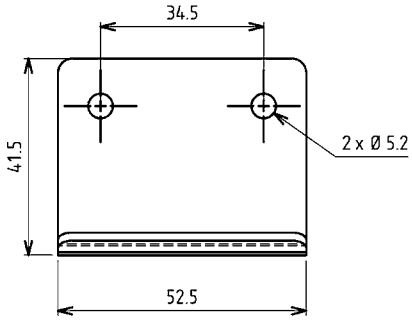


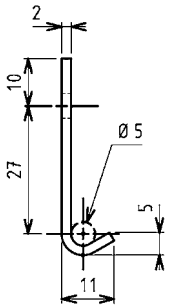
EDELSTAHL Rostfrei STAINLESS STEEL



Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-261-JQ
AISI 304 drilled	6010-261-PC

Further parts see page
– Toggle latch 9A-300
9A-320



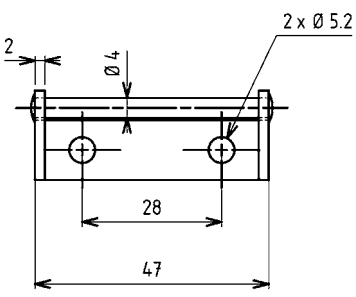


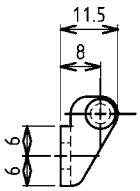
EDELSTAHL Rostfrei STAINLESS STEEL



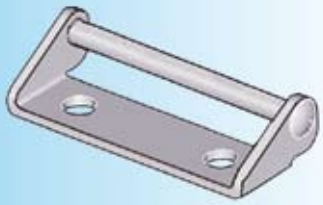
Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-690-JQ
AISI 304 drilled	6010-690-PC

Further parts see page
– Toggle latch 9A-300





EDELSTAHL Rostfrei STAINLESS STEEL



Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-694-JQ
AISI 304 drilled	6010-694-PC

Further parts see page
– Toggle latch 9A-300

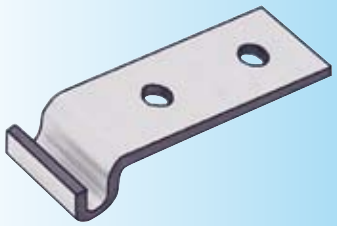
EMKA®

Beschlagteile

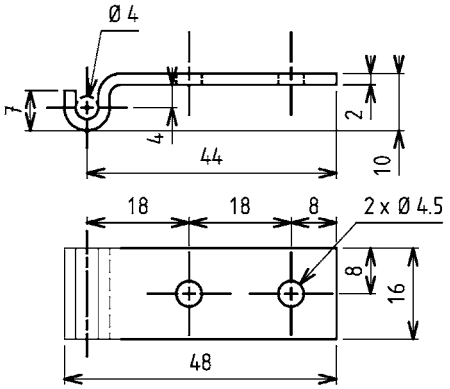
Catch plate

PROGRAM 6000

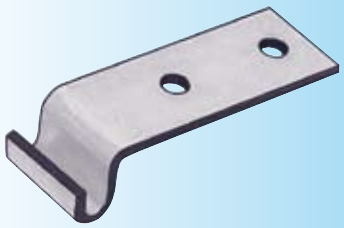
INOX AISI 3..



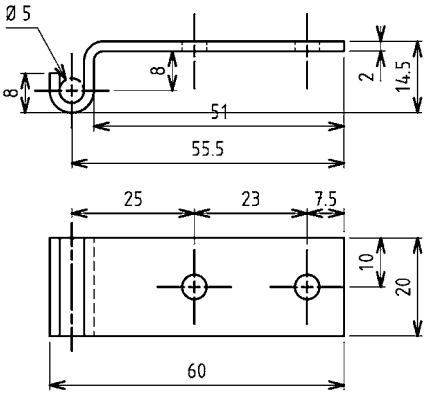
Further parts see page
– Toggle latch 9A-120, 9A-140, 9A-220



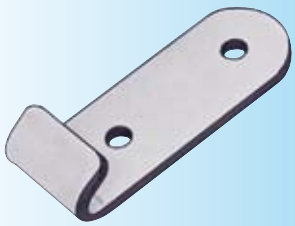
Catch plate	
Raw steel drilled	6010-08-KA
Raw steel undrilled	6010-08-01KA
Zinc plated steel DS plus Top Coat drilled	6010-08-JQ
AISI 304 drilled	6010-08-PC
AISI 304, undrilled	6010-08-01PC



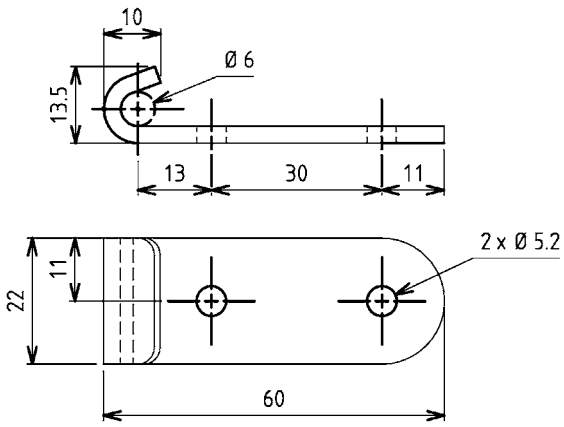
Further parts see page
– Toggle latch 9A-120, 9A-220, 9A-240



Catch plate	
Raw steel drilled	6010-09-KA
Raw steel undrilled	6010-09-01KA
Zinc plated steel DS plus Top Coat drilled	6010-09-JQ
AISI 304 drilled	6010-09-PC
AISI 304, undrilled	6010-09-01PC



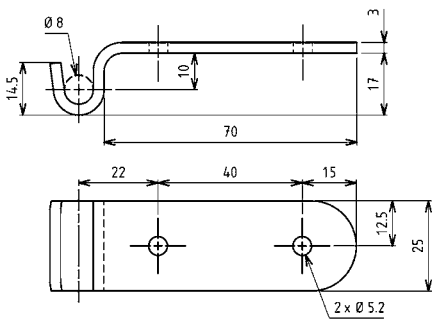
Further parts see page
– Toggle latch 9A-160, 9A-180, 9A-200, 9A-220, 9A-230, 9A-240, 9A-280



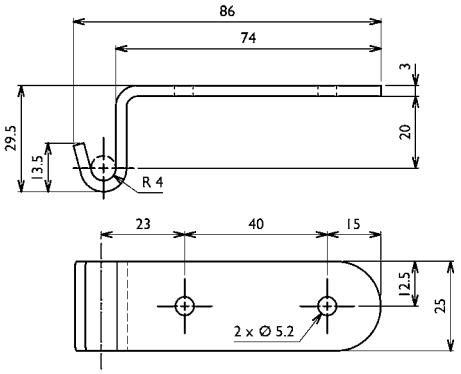
Catch plate	
Raw steel drilled	6010-12-KA
Zinc plated steel DS plus Top Coat drilled	6010-12-JQ
AISI 304 drilled	6010-12-PC

Catch plate

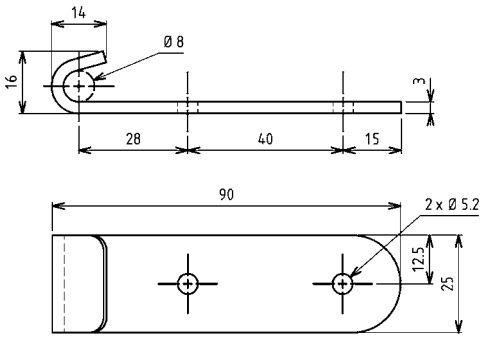
PROGRAM 6000



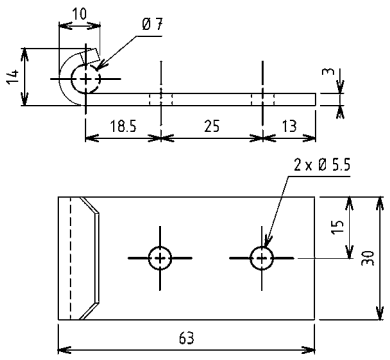
Catch plate	
Raw steel drilled	6010-13-KA
Zinc plated steel DS plus Top Coat drilled	6010-13-JQ
AISI 304 drilled	6010-13-PC



Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-339-JQ



Catch plate	
Raw steel drilled	6010-14-KA
Zinc plated steel DS plus Top Coat drilled	6010-14-JQ
AISI 304 drilled	6010-14-PC



Hook	
Zinc plated steel DS plus Top Coat drilled	6010-15-JQ



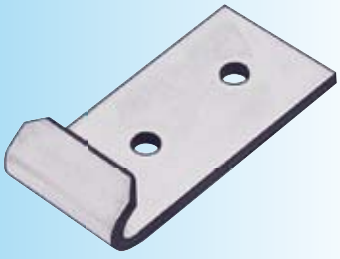
Further parts see page
– Toggle latch 9A-160, 9A-180, 9A-200, 9A-220, 9A-230, 9A-240
– Back plate 9A-680



Further parts see page
– Toggle latch 9A-160, 9A-180, 9A-200, 9A-220, 9A-230, 9A-240
– Back plate 9A-680



Further parts see page
– Toggle latch 9A-160, 9A-180, 9A-200, 9A-220, 9A-230, 9A-240
– Back plate 9A-680



Further parts see page
– Toggle latch 9A-230

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Catch plate

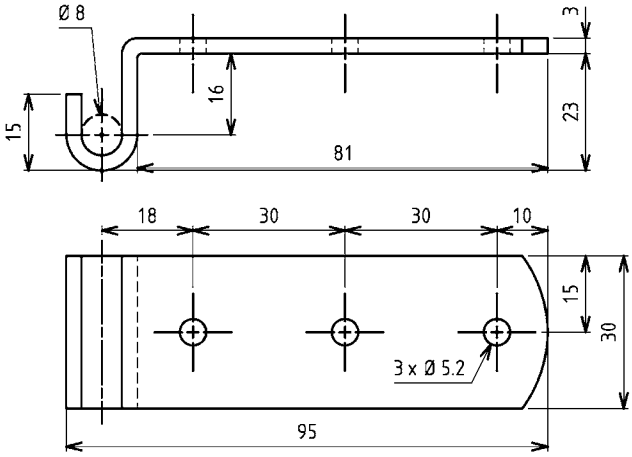
PROGRAM 6000

INOX AISI 3..

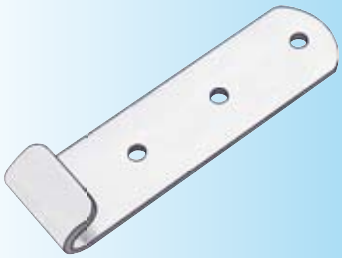


Further parts see page
– Toggle latch 9A-160 9A-230

EDELSTAHL Rost frei STAINLESS STEEL

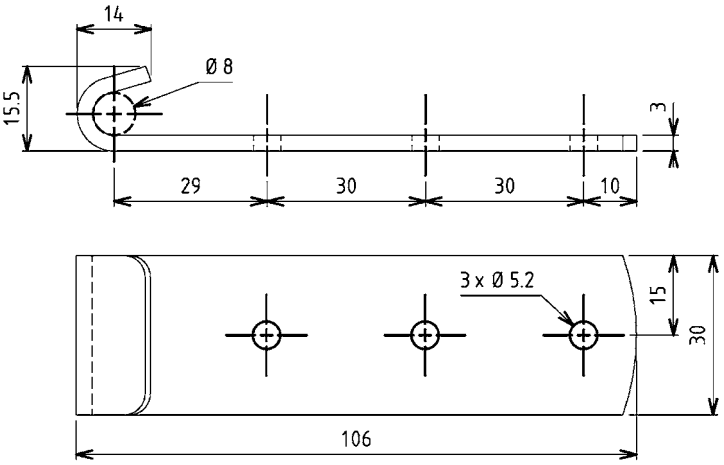


Catch plate	
Raw steel drilled	6010-16-KA
Zinc plated steel DS plus Top Coat drilled	6010-16-JQ
AISI 304 drilled	6010-16-PC



Further parts see page
– toggle latch 9A-160 9A-230

EDELSTAHL Rost frei STAINLESS STEEL

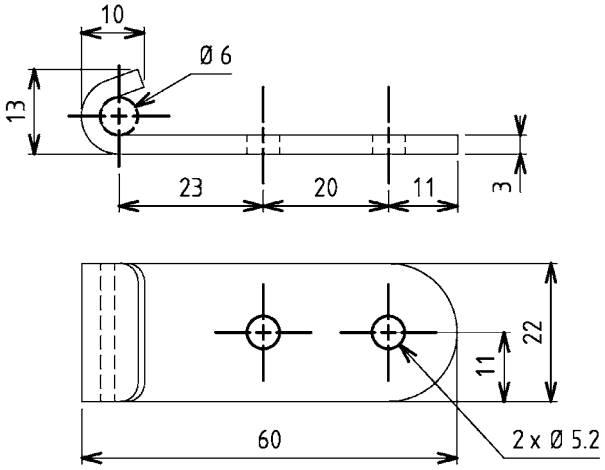


Catch plate	
Raw steel drilled	6010-17-KA
Zinc plated steel DS plus Top Coat drilled	6010-17-JQ
AISI 304 drilled	6010-17-PC



Further parts see page
– Toggle latch 9A-160 9A-180 9A-200 9A-220 9A-230 9A-240 9A-280

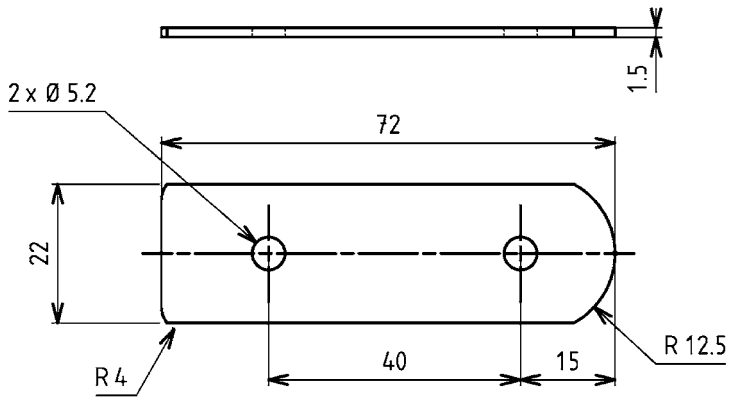
EDELSTAHL Rost frei STAINLESS STEEL



Catch plate	
Zinc plated steel DS plus Top Coat drilled	6010-958-JQ
AISI 304 drilled	6010-958-PC

Back plate

PROGRAM 6000



EDELSTAHL Rost frei STAINLESS STEEL

INOX AISI 3..



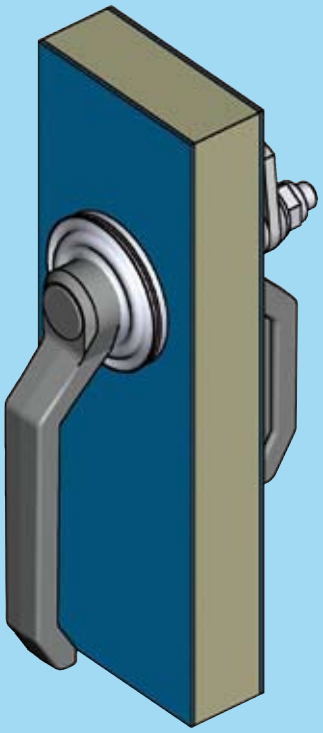
Back plate for toggle latch and catch plate	
Raw steel	6042-82-KA
Zinc plated steel DS plus Top Coat drilled	6042-82-JQ
AISI 304	6042-82-PC

Further parts see page

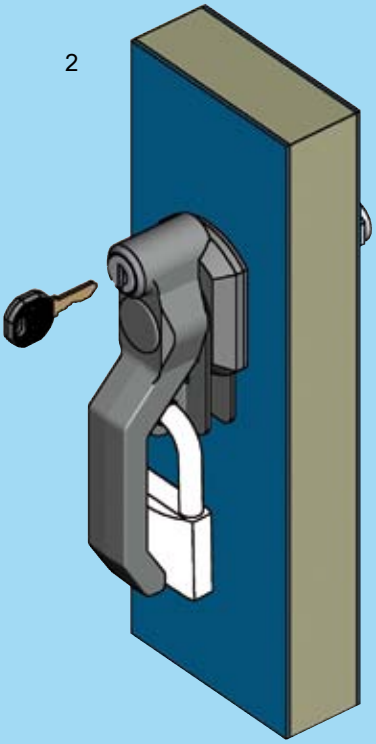
– Toggle latch 9A-180
– Catch plate 9A-640

Air-Conditioning Program 1091

1



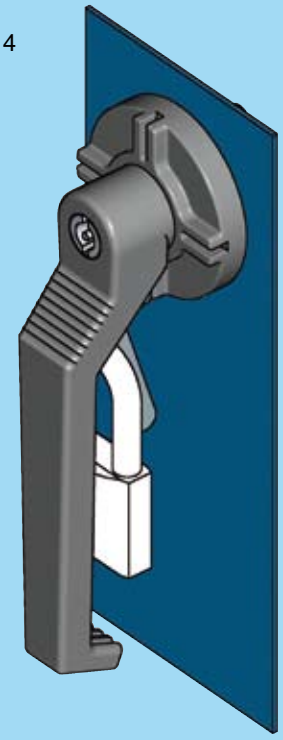
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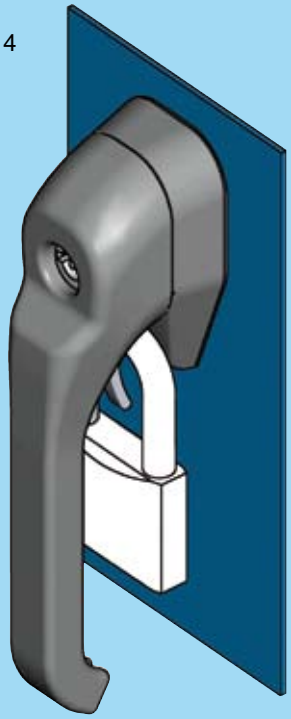
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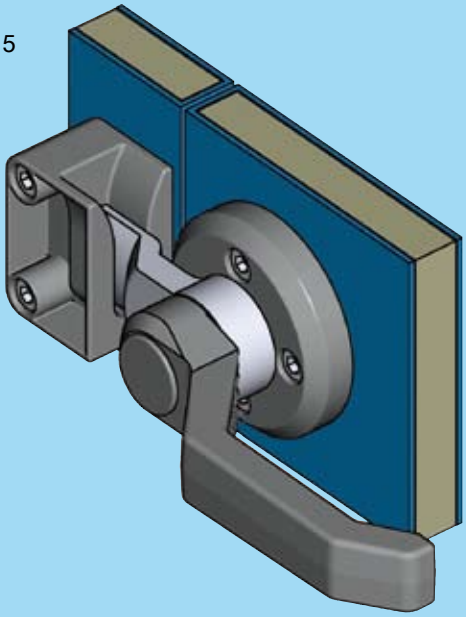
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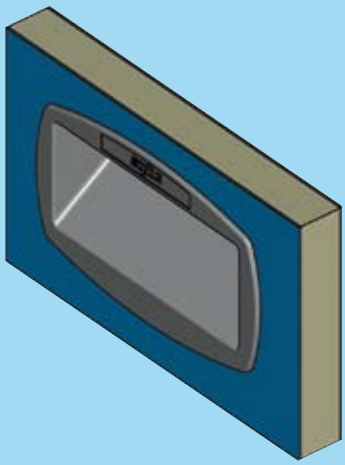
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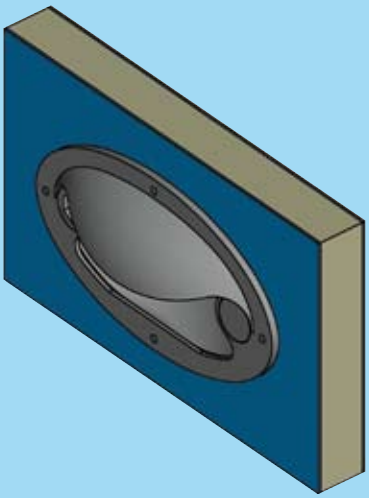
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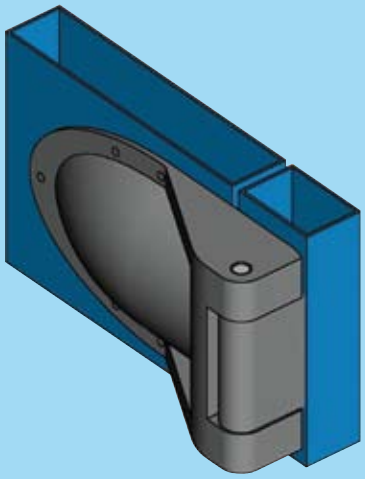
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7



8

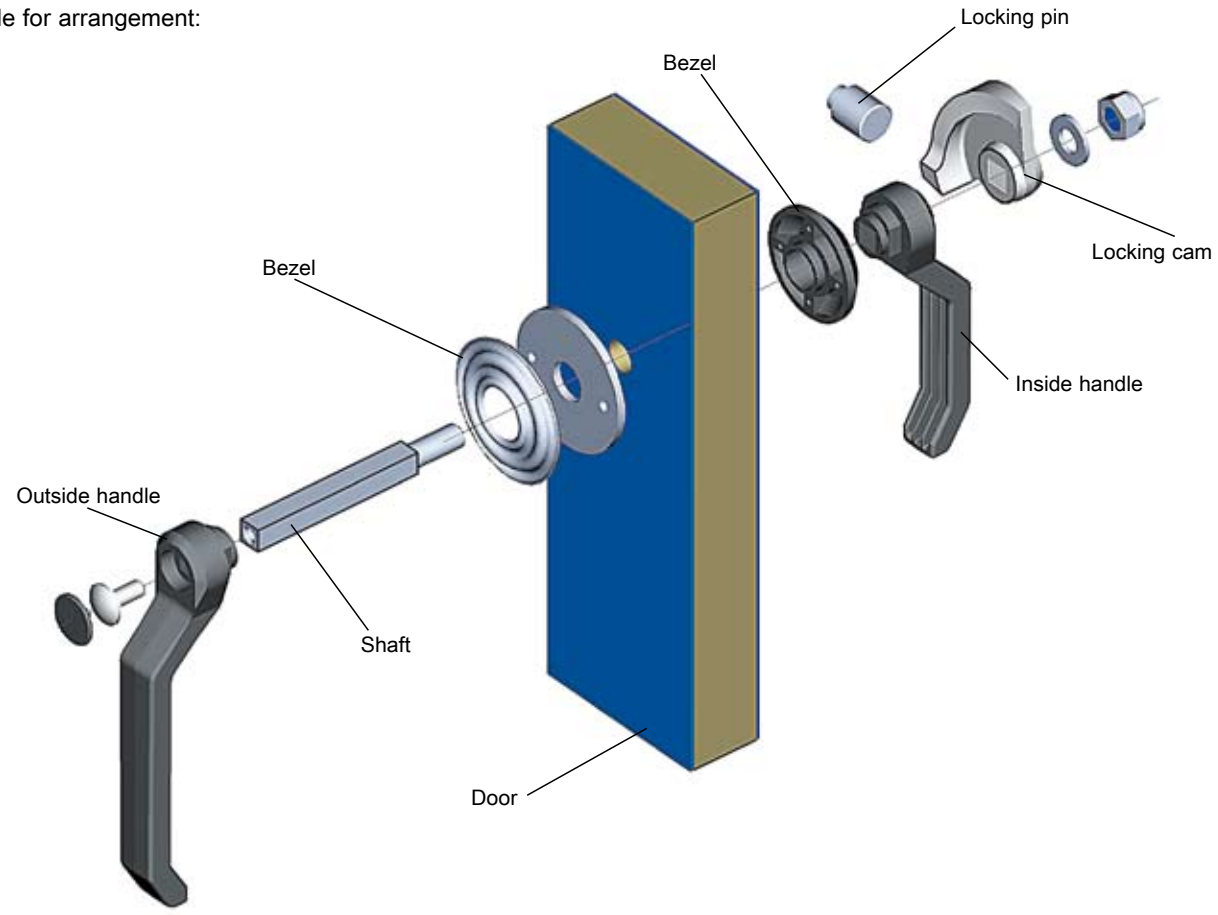


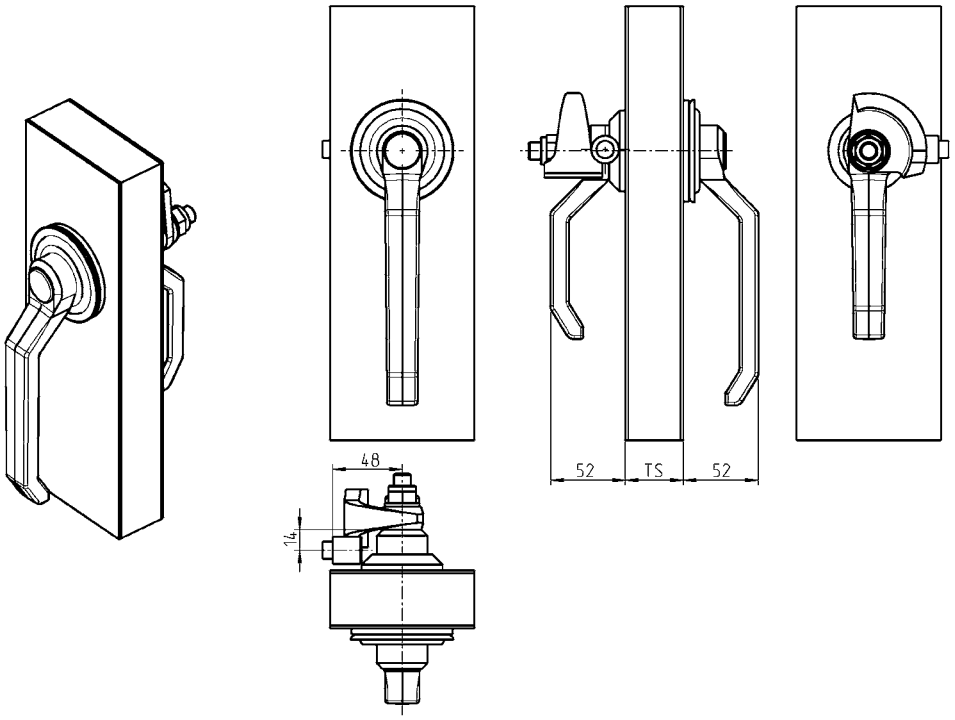
1	Heavy Duty latch with mild steel shaft	10A-120 to 10A-180, 10A-320
2	Heavy Duty latch	10A-220, 10A-340
3	Lift and turn latch	10A-520
4	Heavy Duty latch	10A-620, 10A-640
5	Heavy Duty latch, outside the door	10A-420
6	Pull	10A-720 to 10A-760, 10A-820
7	Pull with quarter turn	10A-820
8	180° hinge	10A-840

Heavy duty latch with m.s. shaft

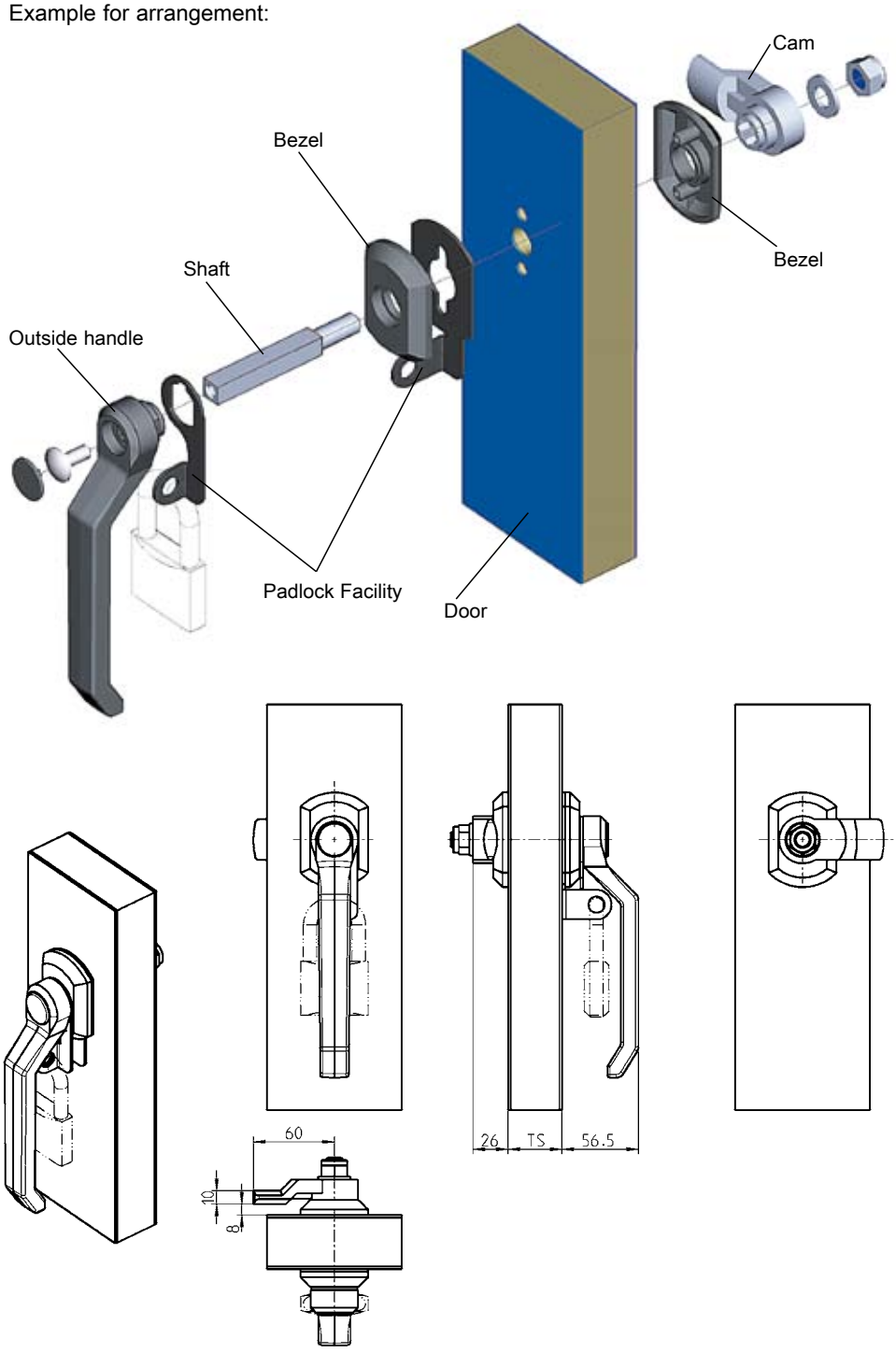
PROGRAM 1091

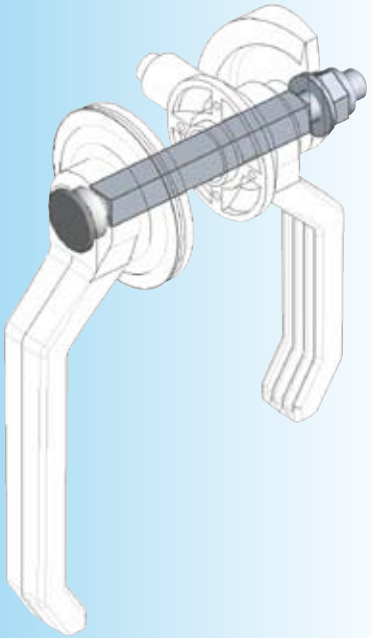
Example for arrangement:





Example for arrangement:





Heavy duty latch consisting of:								
Shaft m.s. zinc plated, screw M8, washer A13, Nyloc nut M12, m.s. zinc plated and plastic plug black polyamide								
Ts	20	30	40	50	60	80	100	Toler-ance
for cam and inside handle								
	1091-U8	1091-U9	1091-U10	1091-U11	1091-U12	1091-U13	1091-U14	± 5
for cam without inside handle								
	1091-U6	1091-U7	1091-U8	1091-U9	1091-U10	1091-U12	1091-U13	± 10
for inside handle, or spacer and locking cam								
	1091-U8	1091-U9	1091-U10	1091-U11	1091-U12	1091-U13	1091-U14	± 5

Further parts see page

– Handle 10A-140
– Bezel 10A-180
– Locking cam 10A-160
– Cam 10A-160

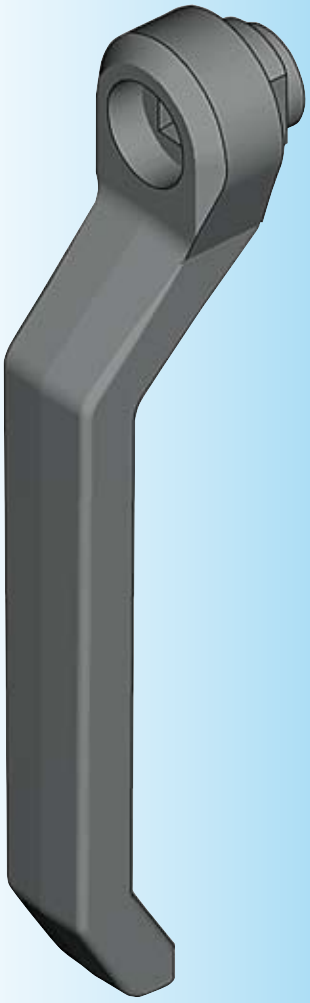
EMKA®

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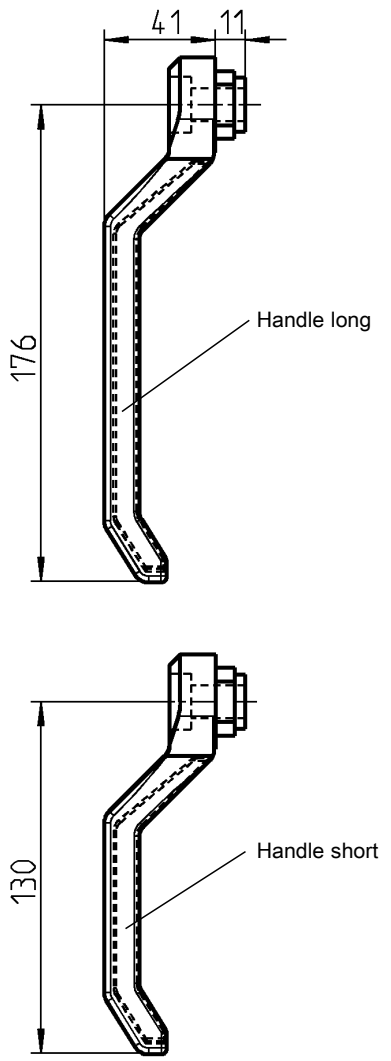
Accessories for heavy duty latch

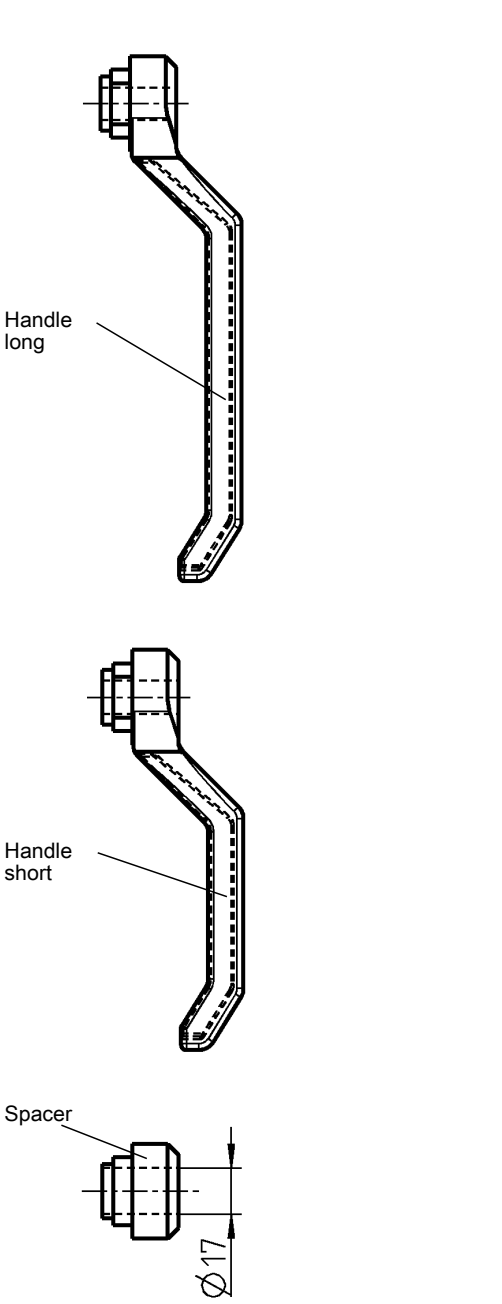
PROGRAM 1091

RL



Handle





Handle long polyamide GF black	
	1091-20
Handle long polyamide GF black with embedded steel	
	1091-22
Handle short polyamide GF black	
	1091-21
Handle short polyamide GF black with embedded steel	
	1091-23

Handle long polyamide GF black	
	1091-24
Handle long polyamide GF black with embedded steel	
	1091-26
Handle short polyamide GF black	
	1091-25
Handle short polyamide GF black with embedded steel	
	1091-27
Spacer (replaces handle), m.s. zinc plated	
	1091-28

Attention:
The spacer is needed when using the cam lock without inner handle.

Further parts see page
– Heavy duty latch 10A-120
– Heavy duty latch, outside the door 10A-420

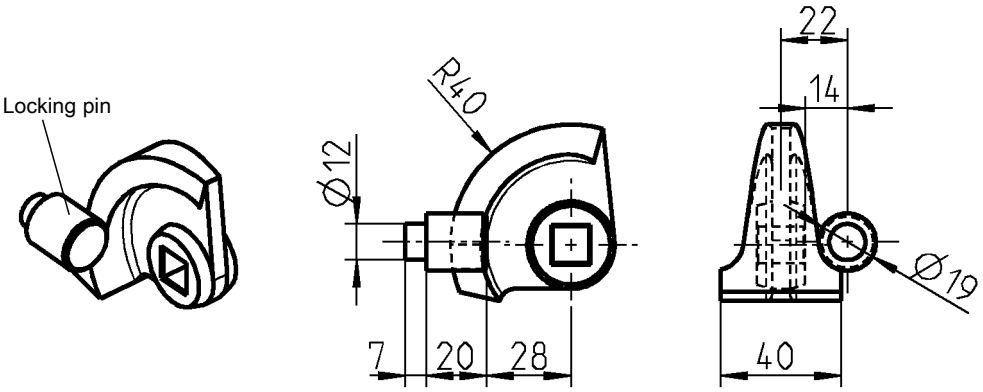
Accessories for heavy duty latch

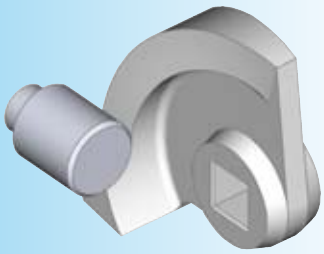
PROGRAM 1091

EMKA Beschlagteile

RL 3 9

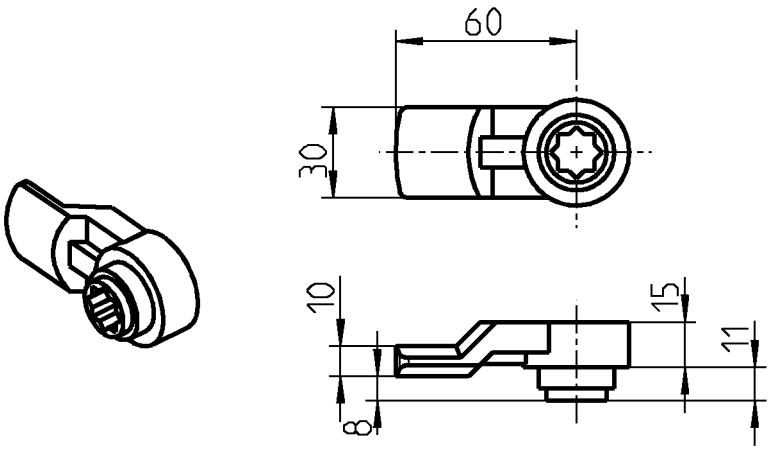
Locking cam

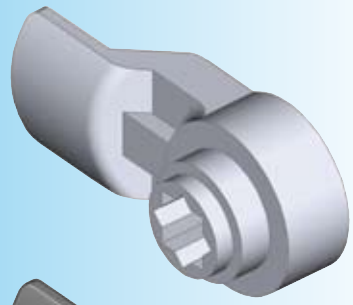


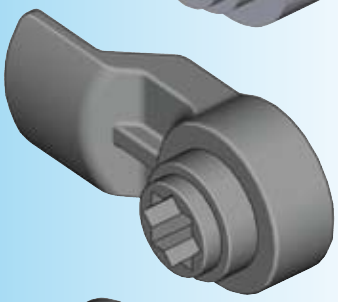


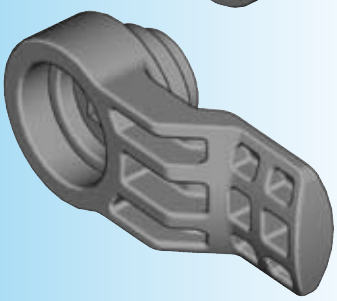
Locking cam zinc die	
	1091-04
Locking stud m.s. zinc plated	
	1091-01

Cam







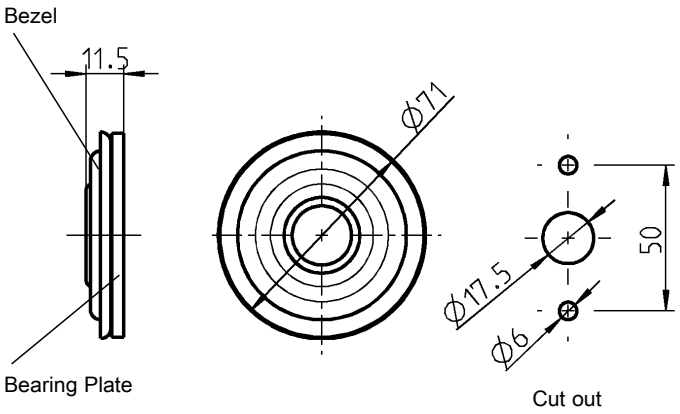


Cam zinc die zinc plated	
	1091-18
Cam Polyamide GF Black	
	1091-18-01

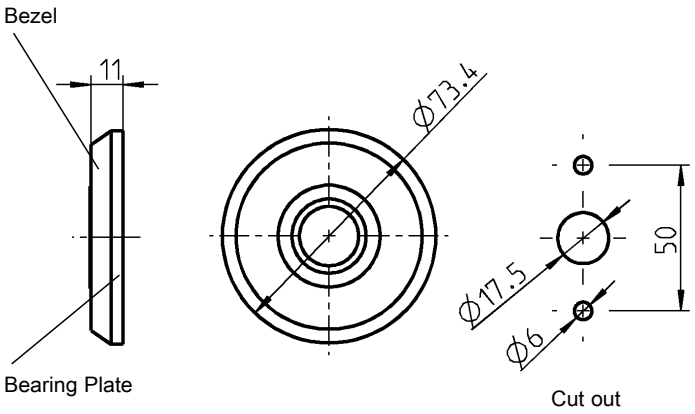
Further parts see page
– Heavy duty latch 10A-120
10A-220
– Heavy duty latch, outside the door 10A-420

Accessories for heavy duty latch

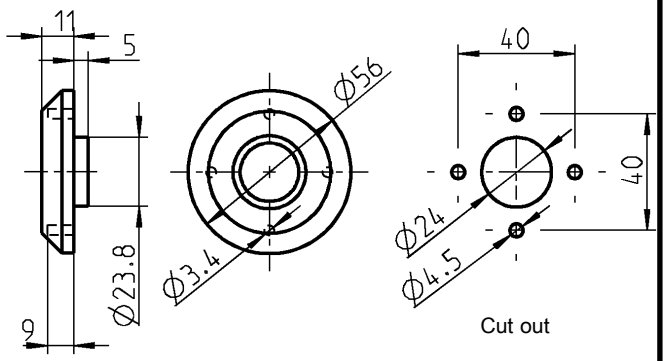
PROGRAM 1091



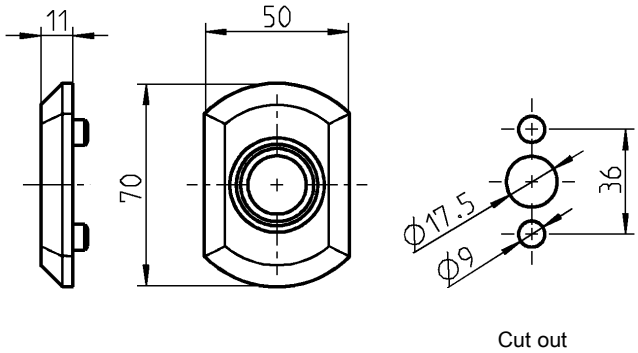
Bezel, m.s. zinc plated	1091-07
Bearing plate, m.s. zinc plated	
	1091-06



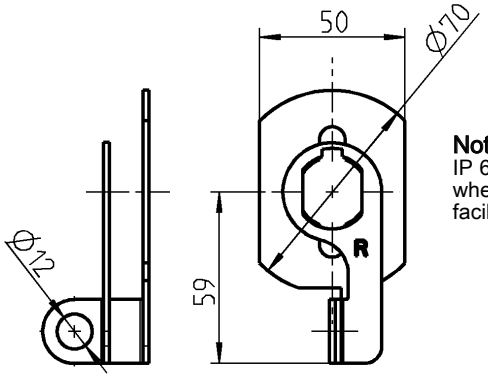
Bezel, polyamide GF black	1091-31
Bearing plate, m.s. zinc plated	
	1091-06



Bezel, polyamide GF black	1091-30

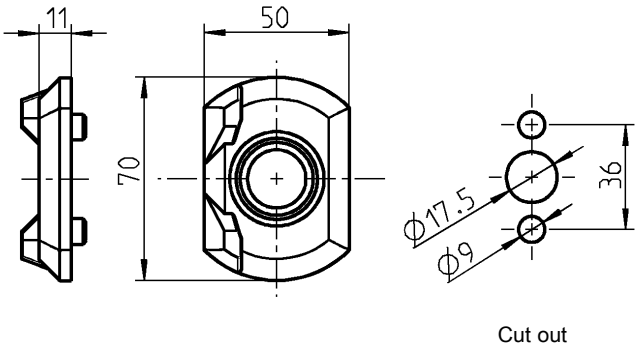


Bezel, polyamide GF black	1091-17

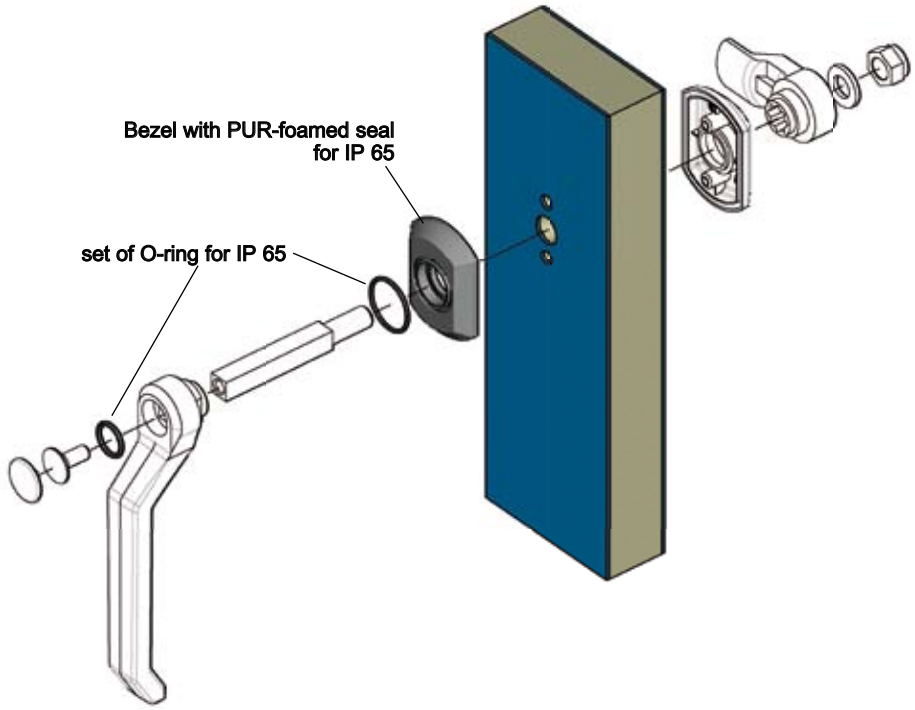


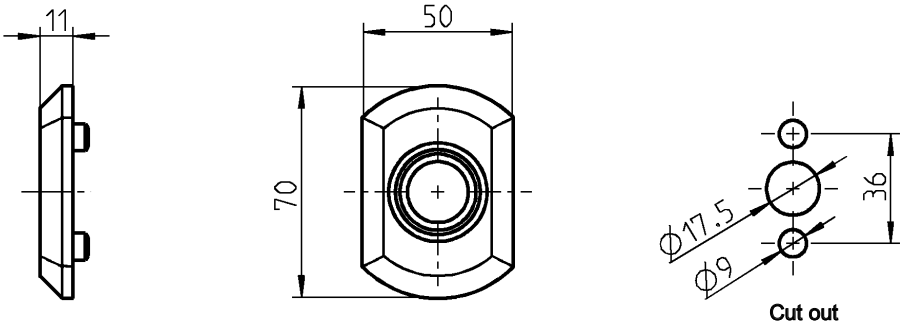
Note:
IP 65 is not possible when using the padlock facility.

Padlock facility, m.s. black powder coated	
RH version	1091-U86
LH version	1091-U87

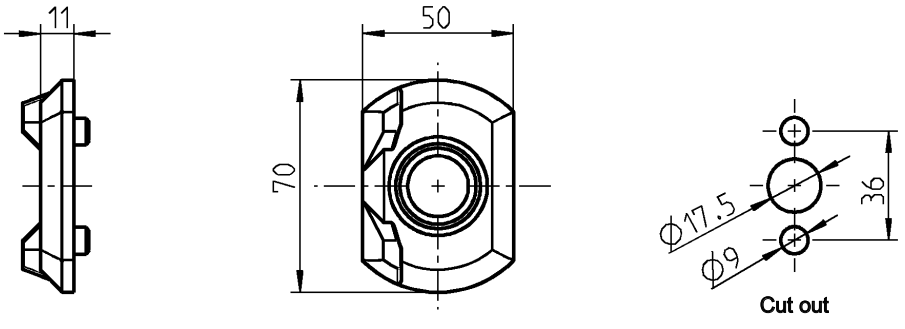


Bezel with dogs, Polyamide GF black	1091-17-01





Bezel, polyamide GF black, with foamed seal	
	1091-17-G
IP 65 with:	
set of O-ring	1091-U90



Bezel with stop dogs, polyamide GF black, with foamed seal	
	1091-17-01G
IP 65 with:	
set of O-ring	1091-U90



Further parts see page
– Heavy duty latch 10A-120
10A-220
10A-320
10A-340

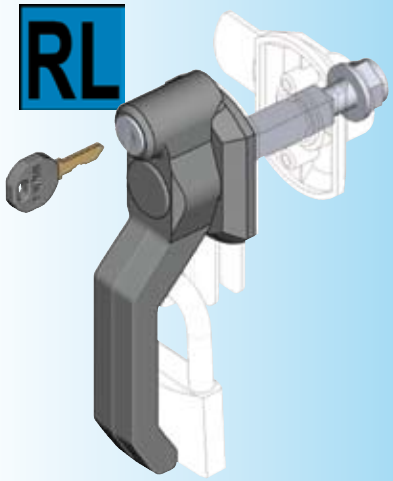
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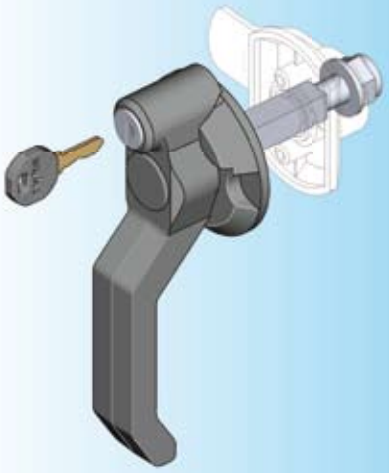
Beschlagteile

Heavy duty latch with m.s. shaft

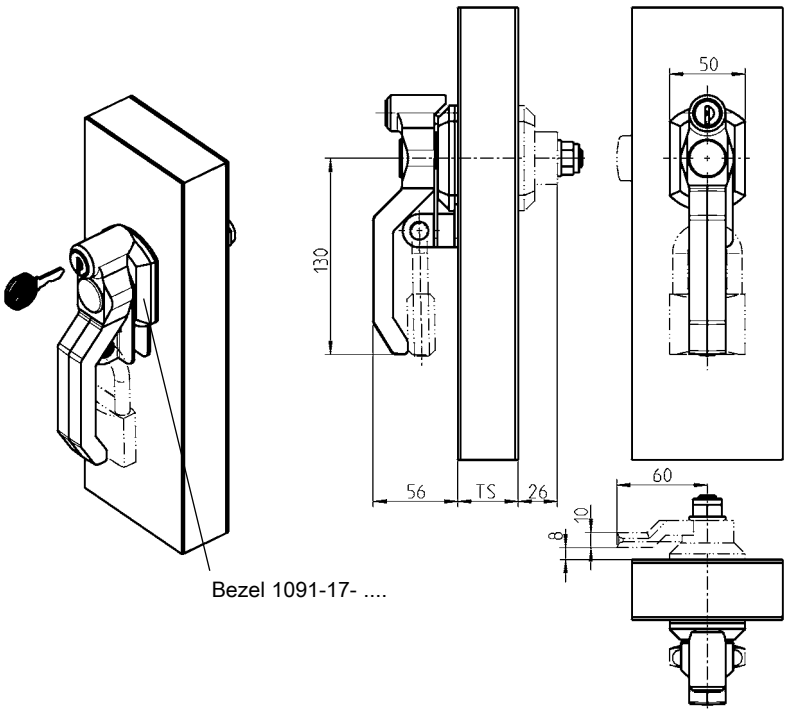
PROGRAM 1091

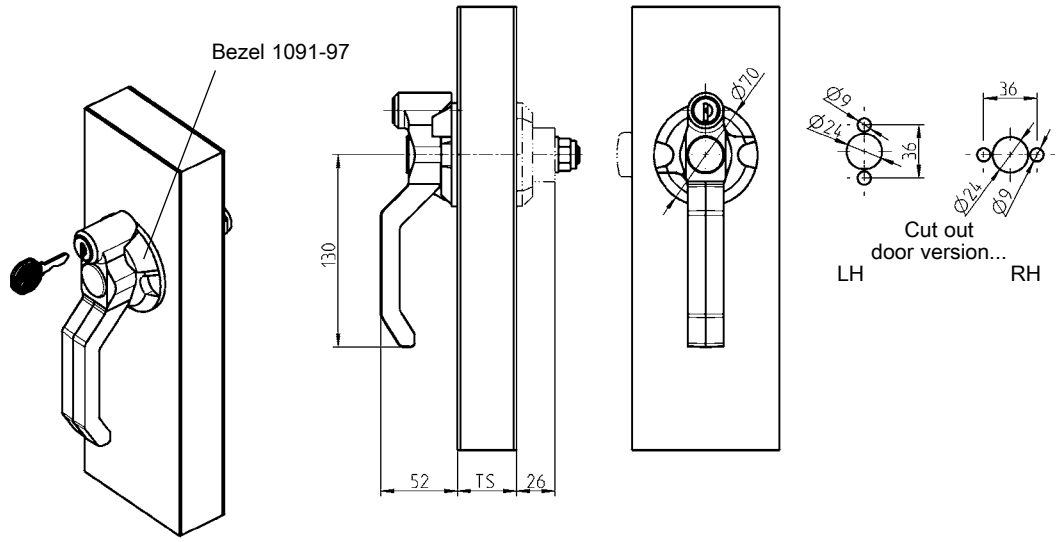
R L RL











Round bezel with 90°-stopper 1091-97 also usable for unlockable handles.

Other inserts available on request

Further parts see page

– Cam 10A-160
– Locking cam 10A-160
– Spacer 10A-140
– Padlock facility 10A-180
– Key 12B-120
– Spare key 12B-140

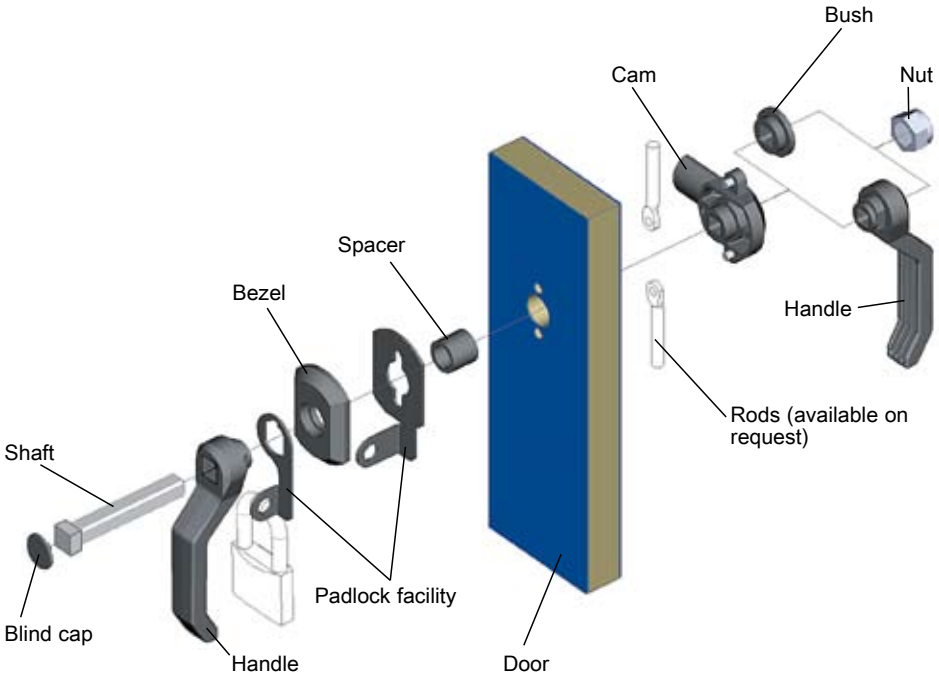
Handle Polyamide GF black for m.s. shaft, round cylinder zinc die with stainless steel cap and dust cover, insert zinc die chrome plated			
keyed EK 333	1091-U50	keyed different	1091-U51
Square 7	1091-U52	Square 8	1091-U53
Triangular 8	1091-U54	Double bit 3	1091-U55
Double bit 5	1091-U56	Slot 2 x 4	1091-U57
Bezel Polyamide black for lockable handle			
180°-stopper	1091-17-03	90°-stopper, LH	1091-17-04
90°-stopper, RH	1091-17-05	90°-stop, round bezel	1091-97

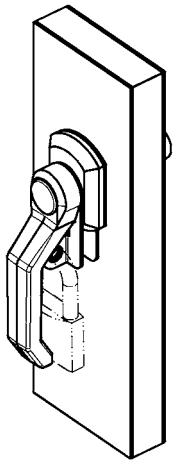
Shaft m.s., screw, nut M12 and washer A13 m.s. zinc plated, blind plug Polyamide GF black							
Ts	**20**	**30**	**40**	**50**	**60**	**80**	**100**
for cam							
	1091-U6	1091-U7	1091-U8	1091-U9	1091-U10	1091-U12	1091-U13
for spacer and locking cam							
	1091-U8	1091-U9	1091-U10	1091-U11	1091-U12	1091-U13	1091-U14

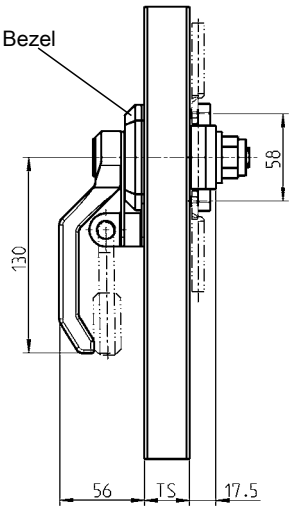
Heavy duty latch with zinc die shaft

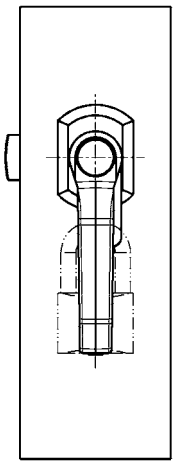
PROGRAM 1091

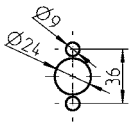
Example for arrangement



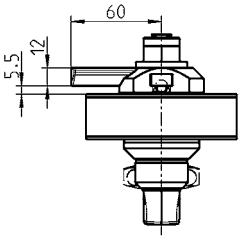


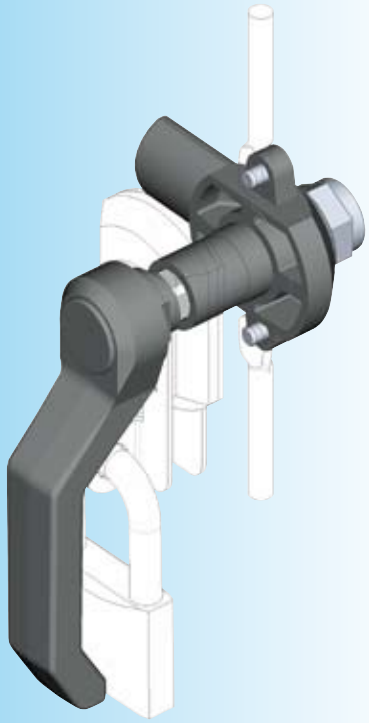






Cut out





Attention:
If an internal handle is installed, the maximum door gauge is reduced by 10 mm.

Handle Polymide GF black (outside and inside)			
			1091-42
Shaft zinc die, Nut m.s.zinc plated, cam, spacer, bush and blind plug Polyamide GF black			
Ts	**10 – 30**	**31 – 50**	**51 – 70**
with single point cam	1091-U80	1091-U81	1091-U82
with 3-point cam	1091-U83	1091-U84	1091-U85

Further parts see page

– Bezel	10A-180
– Padlock facility	10A-180
– Rod	on request

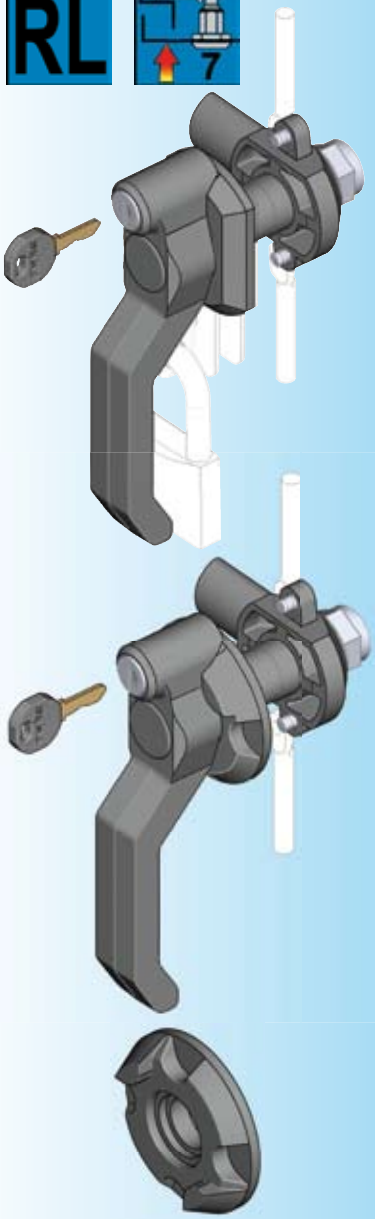
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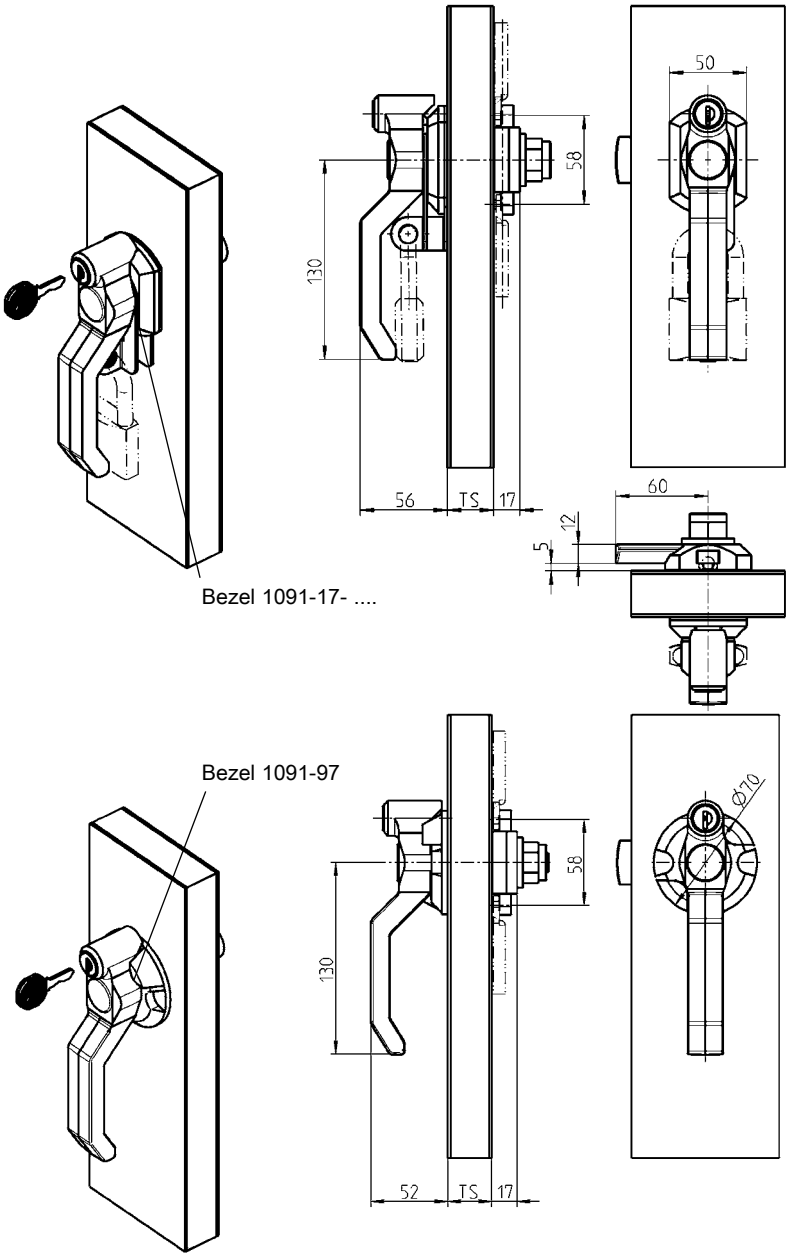
Heavy duty latch with zinc die shaft

PROGRAM 1091





Round bezel with 90°-stopper 1091-97 also usable for unlockable handles.



Handle Polyamide GF black for zinc die shaft,round cylinder zinc die with stainless steel cap and dust cover, insert zinc die chrome plated			
keyed EK 333	1091-U72	keyed different	1091-U73
Square 7	1091-U74	Square 8	1091-U75
Triangular 8	1091-U76	Double bit 3	1091-U77
Double bit 5	1091-U78	Slot 2 x 4	1091-U79
Bezel Polyamide black for lockable handle			
180°-stopper	1091-17-03	90°-stopper, LH	1091-17-04
90°-stopper, RH	1091-17-05	90°-stop, round bezel	1091-97
Shaft zinc die, nut M12 m.s., cam, spacer, bush and blind plug Polyamide GF black			

Ts	10 – 30	31 – 50	51 – 70
with single point cam	1091-U80	1091-U81	1091-U82
with 3-point cam	1091-U83	1091-U84	1091-U85

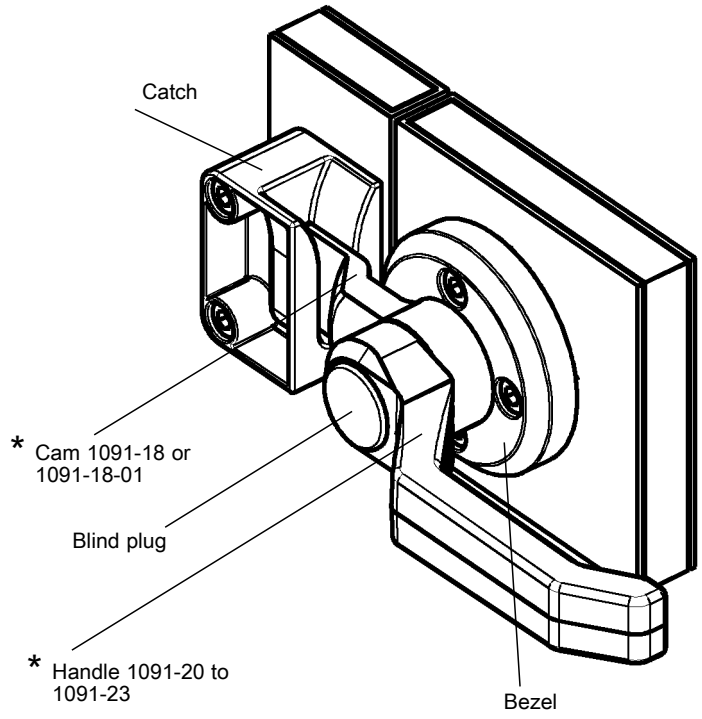
Other inserts available on request

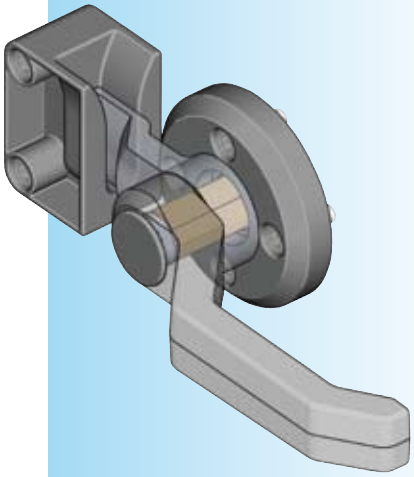
Further parts see page

– Padlock facility	10A-180
– Rod	on request
– Key	12B-120
– Spare key	12B-140

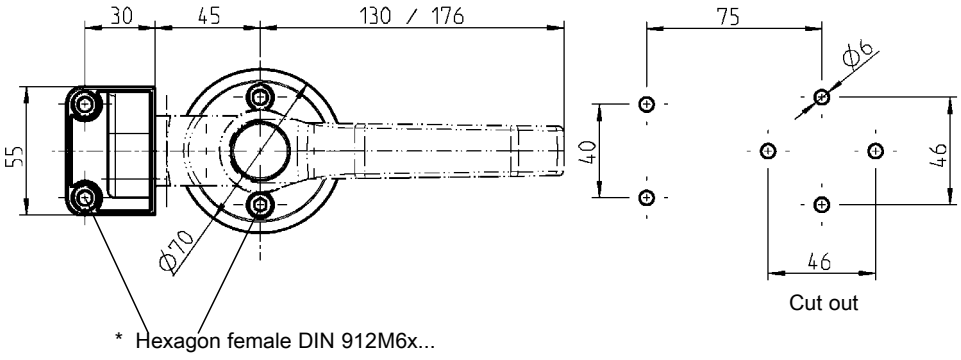
Heavy Duty latch, outside the door

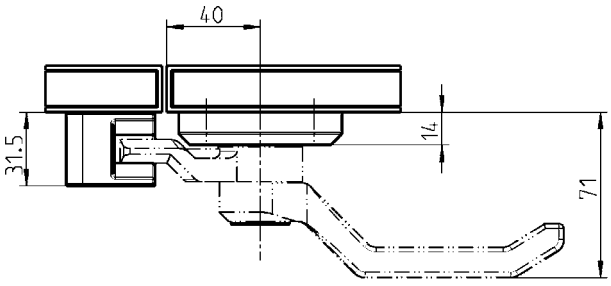
PROGRAM 1091





Combination of:
1091-U121; 1091-96,
handle 1091-21 and
cam 1091-18





*** must order separately**

Bezel and blind plug Polyamide GF black **Shaft brass, fixing m.s. zinc plated**	
	1091-U121
Catch Polyamide GF black	
	1091-96

Further parts see page

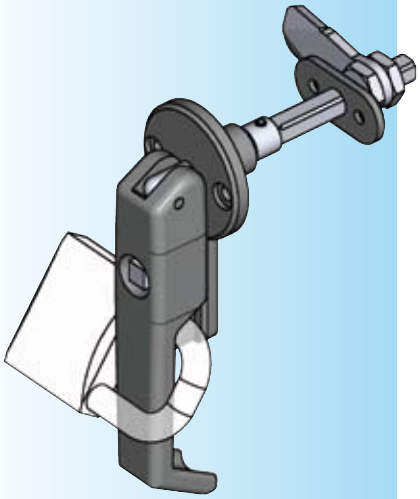
– Outside handle	10A-140
– Cam	10A-160

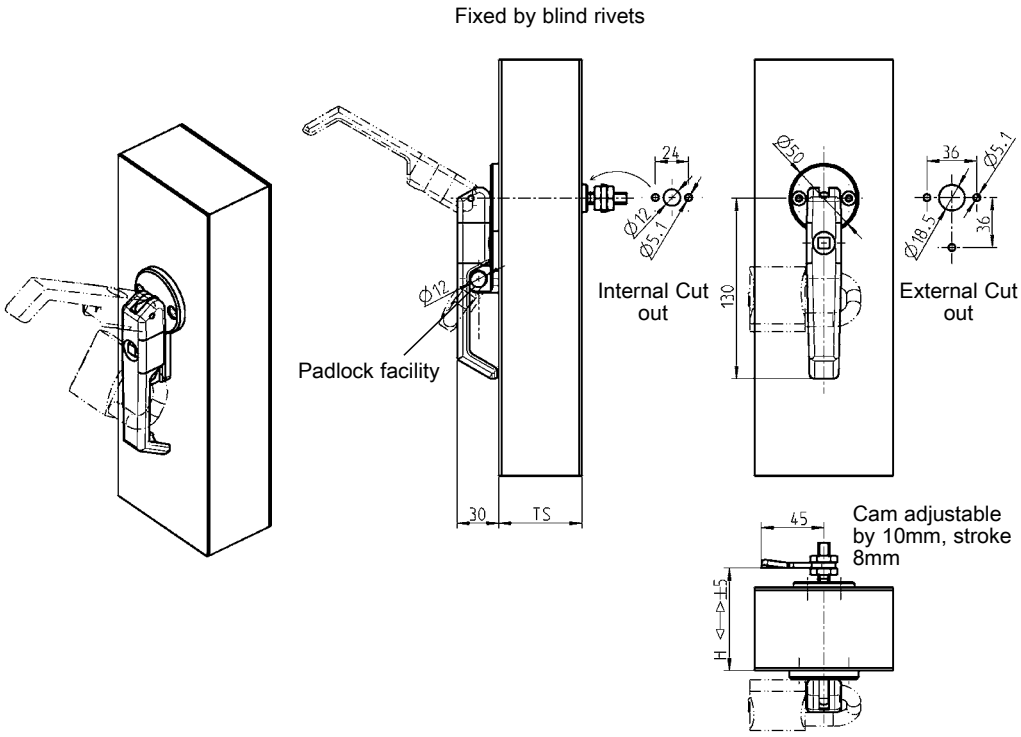
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Lift and turn latch

PROGRAM 1091





Lift and turn handle consisting of Handle Polyamide GF black with shaft m.s. zinc plated, back plate zinc die black powder coated, cam for insert m.s. zinc plated, bearing plate zinc die zinc plated, pins and nuts			
			1091-U95
Cam m.s. zinc plated			
straight			1000-203
cranked 10 mm			1000-392
cranked 20 mm			1000-391
cranked 30 mm			1000-390
Insert zinc die chrome plated			
Square 6	1121-U11	Double bit 5	1121-U17
Square 7	1121-U12	Daimler Benz	1121-U18
Square 8	1121-U13	Slot 2 x 4	1121-U123
Triangular 7	1121-U14	Eastern European 13 mm dia	1121-U143
Triangular 8	1121-U15	Blind plug	1091-83-AA
Double bit 3	1121-U16	Assembly	1000-990

Shaft m.s. zinc plated (to be pinned to the handle boss)

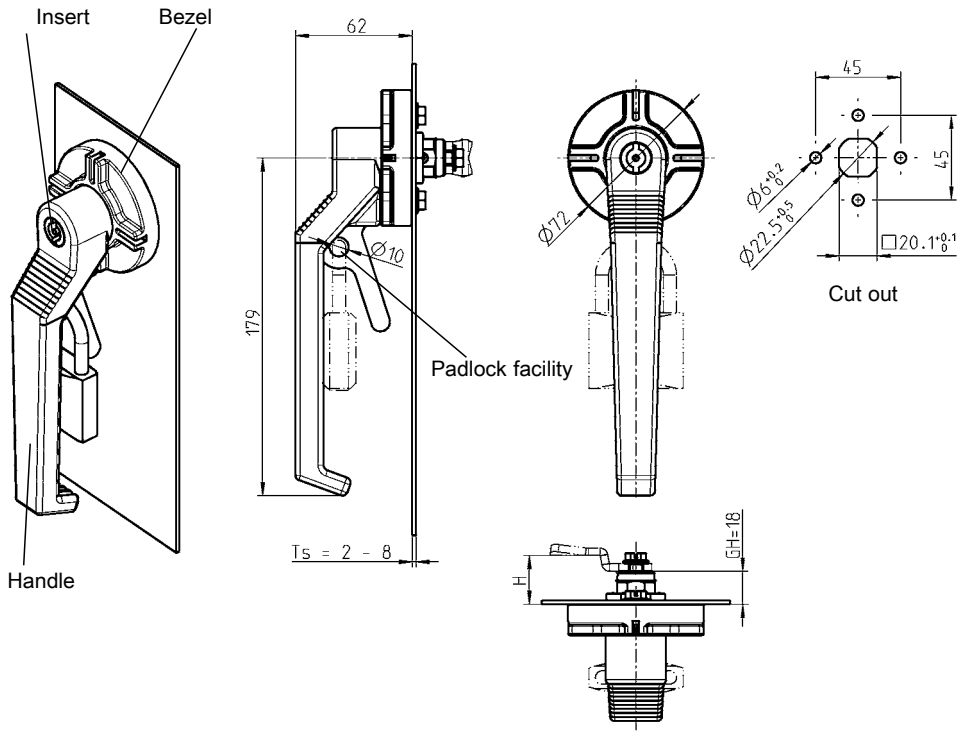
Ts	H-dim. depends on the cam				
max.	1000 – 390	1000 – 391	1000 – 392	1000 – 203	
40	20 – 30	30 – 40	40 – 50	50 – 60	1091-59-01
60	40 – 50	50 – 60	60 – 70	70 – 80	1091-59-02
80	60 – 70	70 – 80	80 – 90	90 – 100	1091-59-03
100	80 – 90	90 – 100	100 – 110	110 – 120	1091-59-04
120	100 – 110	110 – 120	120 – 130	130 – 140	1091-59-05
140	120 – 130	130 – 140	140 – 150	150 – 160	1091-59-06

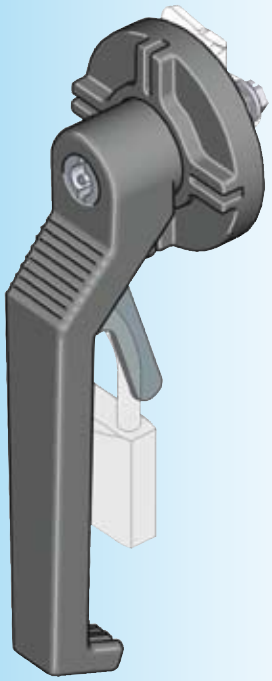
Further parts see page
– Key 12B-120

Heavy duty latch

PROGRAM 1091







Handle zinc die black p.c., insert zinc die chrome plated, round cylinder with stainless steel cap and dust cover, padlock facility stainless steel			
without insert	1091-U99	Slot 2 x 4	1091-U108
Double bit 3	1091-U105	keyed EK 333	1091-U110
Slot 1,2 x 3	1091-U109	keyed different	1091-U111
Bezel zinc die black p.c., earthing nut m.s. zinc pl., with seal			
LH version			1091-U112
RH version			1091-U113

Insert is spring loaded

Other inserts available on request

Further parts see page

– Cam (GH = 18) 1C-120
up to 1C-160
– Key 12B-120
– Spare key 12B-140

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Heavy duty latch

PROGRAM 1091

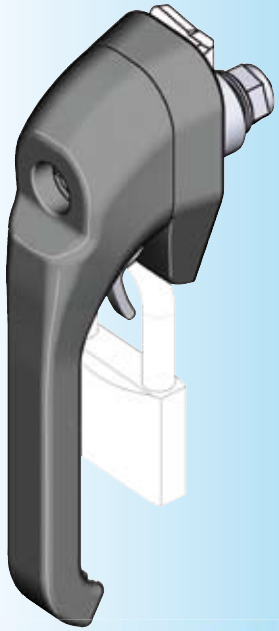


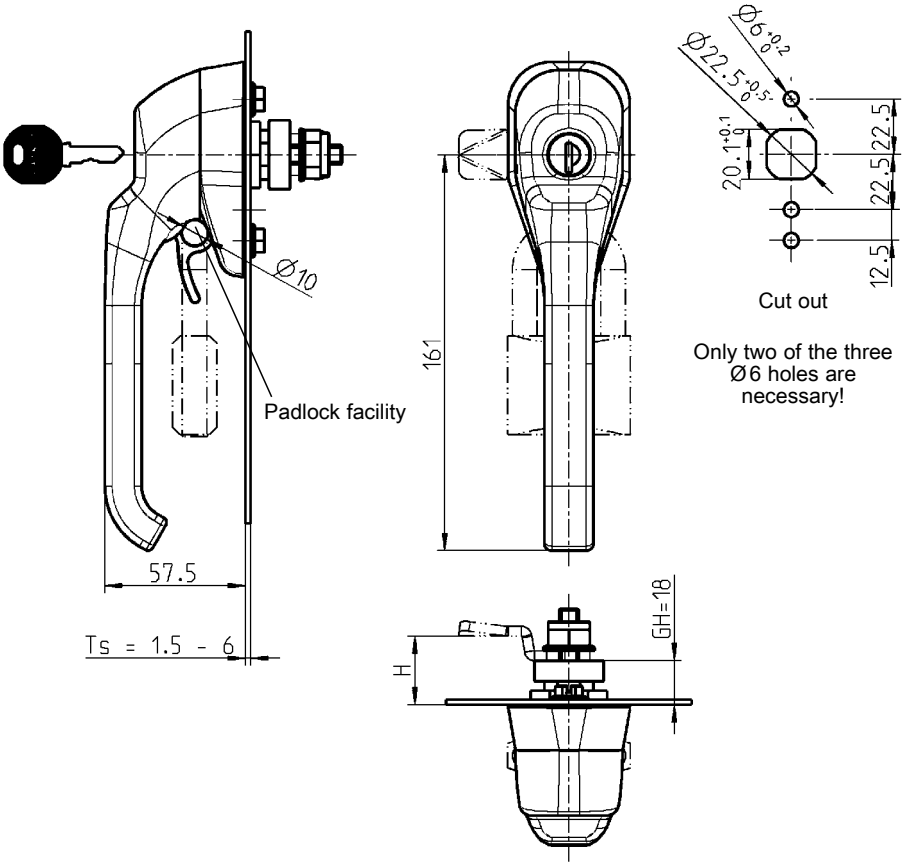


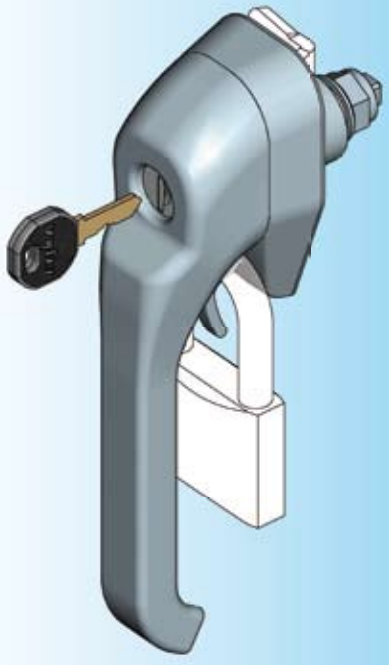




EDELSTAHL Rostfrei STAINLESS STEEL







Handle zinc die black p.c., round cylinder with stainless steel cap and dust cap, insert and lever zinc die chrome plated, stop plate zinc die zinc plated, fixing material m.s. zinc plated. Each round cylinder has one silver steel key with polyamide grip GF black.			
spring loaded			
without insert	1091-U122	Triangular 8	1091-U131
keyed EK 333	1091-U123	Double bit 3	1091-U132
keyed different	1091-U124	Double bit 5	1091-U133
Square 6	1091-U125	Hexagon female 8	1091-U134
Square 7	1091-U126	Hexagon female 10	1091-U135
Square 8	1091-U127	Square female 8	1091-U136
Square 8 slotted	1091-U128	Slot 2 x 4	1091-U137
Triangular 6,5 CNOMO	1091-U129	Daimler Benz	1091-U138
Triangular 7	1091-U130	Eastern Europe Ø13 half round	1091-U139
without spring-load			
keyed EK 333	1091-U140	keyed different	1091-U141
Heavy duty latch AISI 316, round cylinder with stainless steel cap and dust cap zinc die chrome plated Each cylinder has one silver steel key with polyamide GF grip black.			
spring loaded			
without insert	1091-U142	keyed different	1091-U142-03
keyed EK 333	1091-U142-02	Slot 2 x 4	1091-U142-01

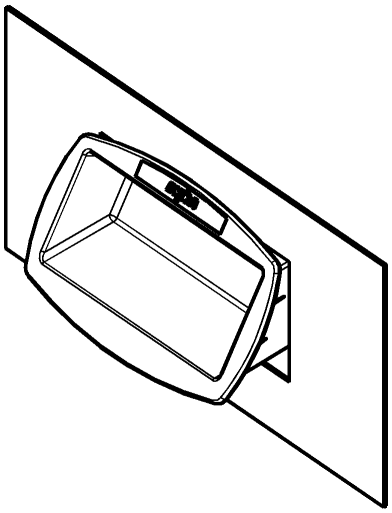
Further parts see page
– Cam (GH = 18) 1C-120 up to 1C-160
– Key 12B-120
– Spare key 12B-140

Pull

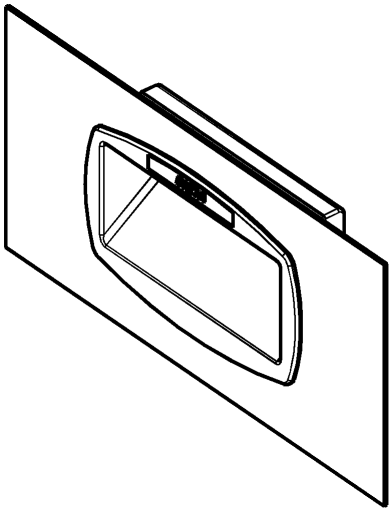
PROGRAM 1091

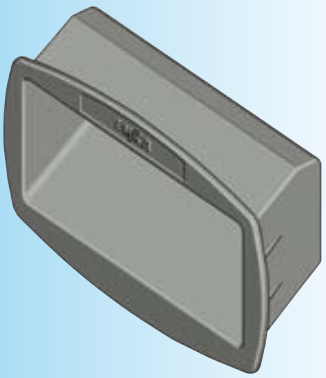


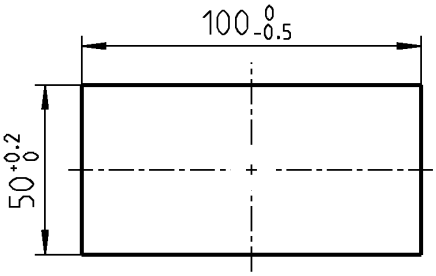
Pull can be clipped into cut out



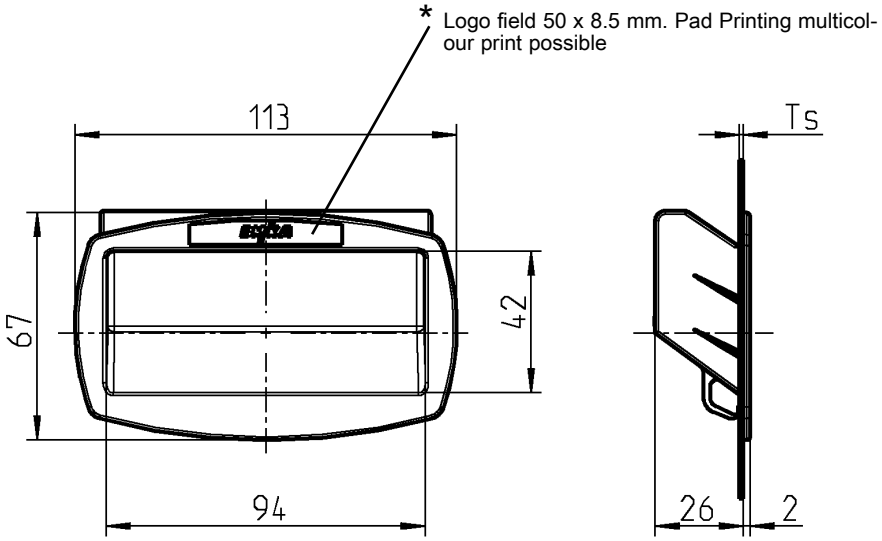
Ready for operating







Cut out



Pull Polyamide GF black	
Ts 0.80 - 1.2 mm	1091-93
Ts 1.20 - 1.6 mm	1091-91
Ts 1.75 - 2.2 mm	1091-92

Assembly
The pull is fitted with clips that automatically snap in behind the door part.

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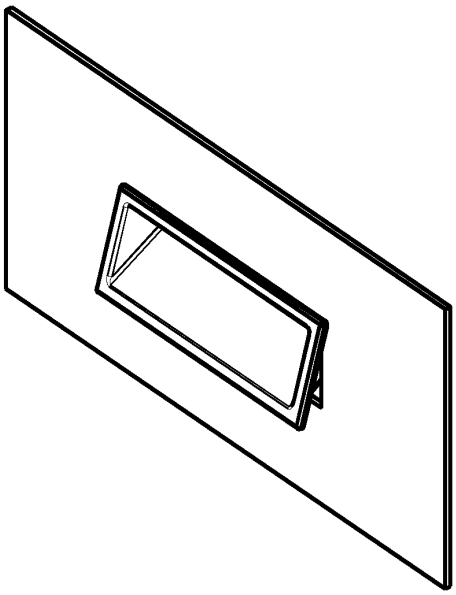
Beschlagteile

Pull

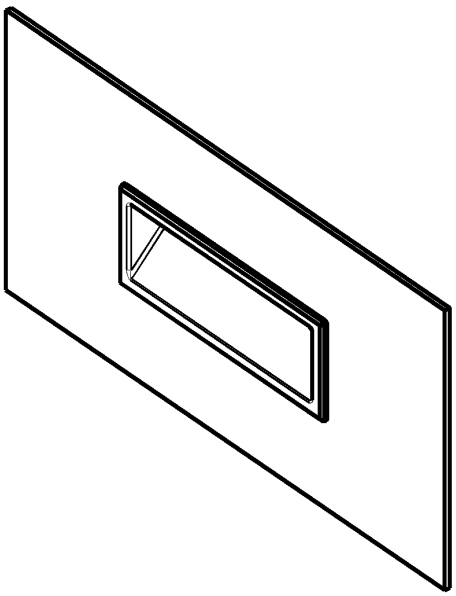
PROGRAM 1091

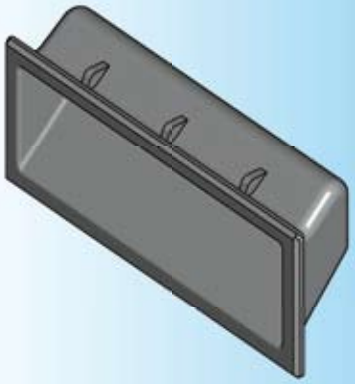
RL

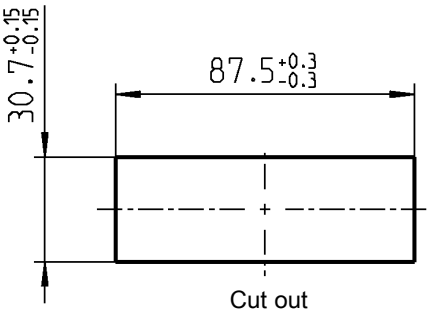
Press pull into cut out



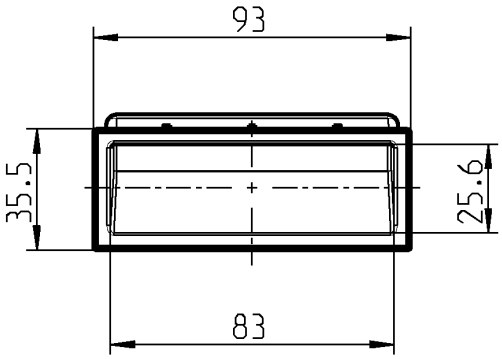
Ready for operating

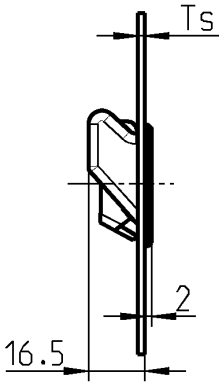






Cut out





Assembling:
The pull is fitted with clips that automatically snap in behind the door part.

Pulls for other door thickness on request

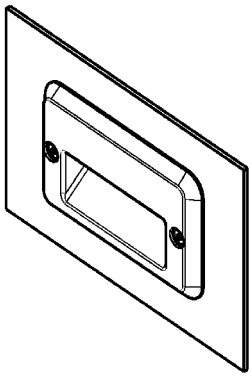
Pull Polyamide GF Black	
Ts 0,8 - 1,2 mm	1091-103-01
Ts 1,2 - 1,6 mm	1091-103-02
Ts 1,75 - 2,2 mm	1091-103-03

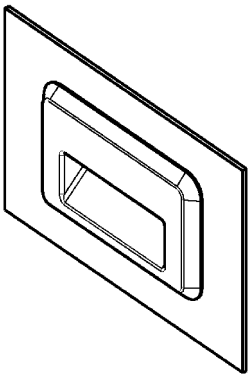
Pull

PROGRAM 1091

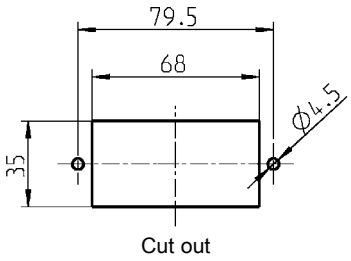
RL IP 54 IP 65

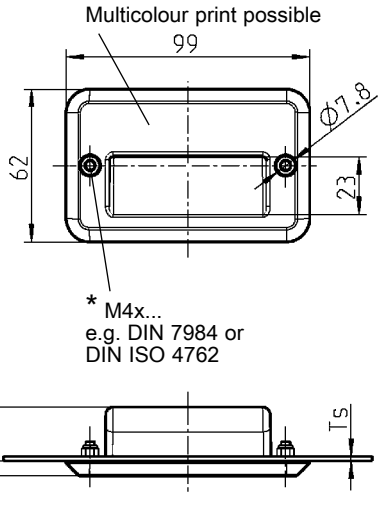




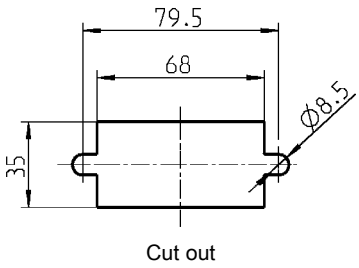


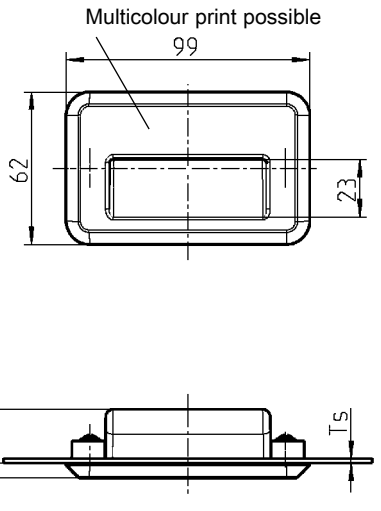
Version A



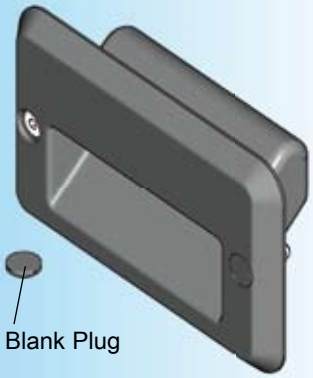


Version B

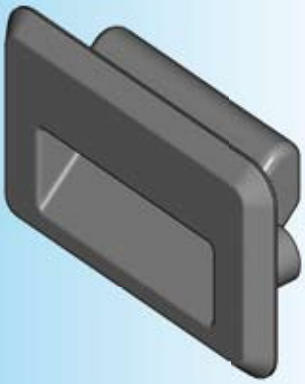




Version A



Version B



Pull polyamide GF black, with seal Version B clip polyamide GF black, fixing material m.s. zinc pl.			
Version A	IP 54	Ts 0.8 - 7	1091-105
Version B	IP 65	Ts 0,8 - 3 **	1091-U144
Plug polyethylene black for version A			
(2 plugs are needed per pull)			1091-106

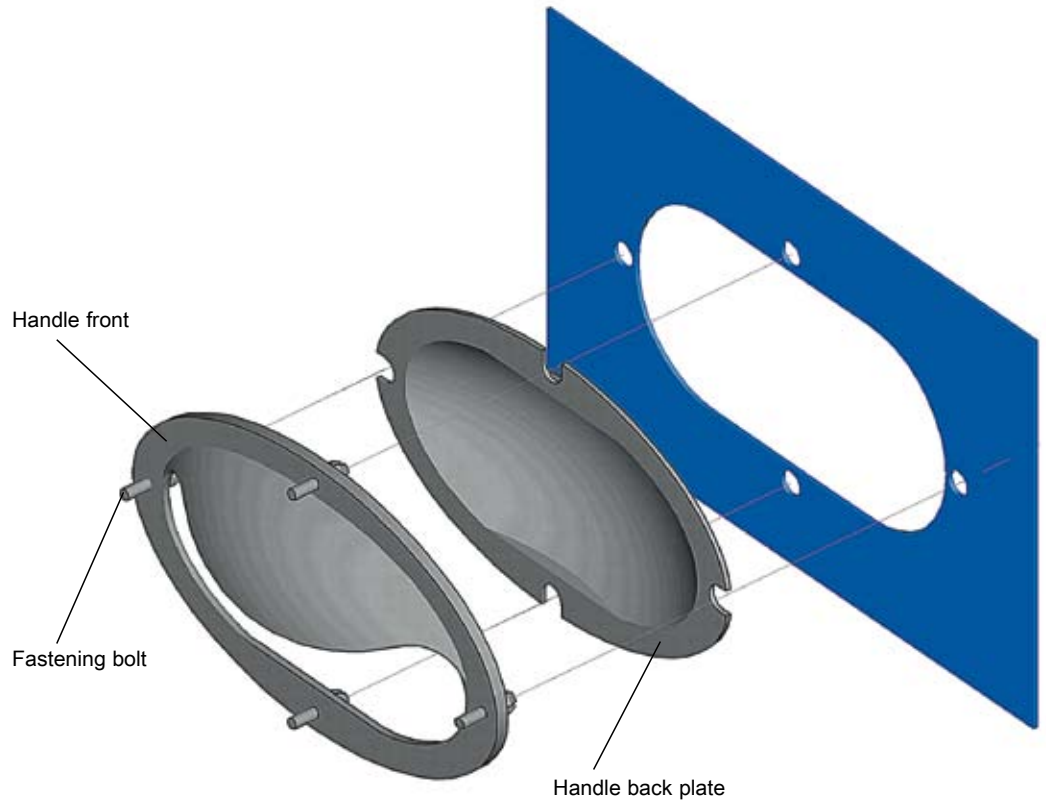
* not included

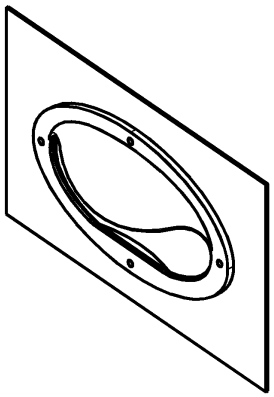
** other door thickness on request

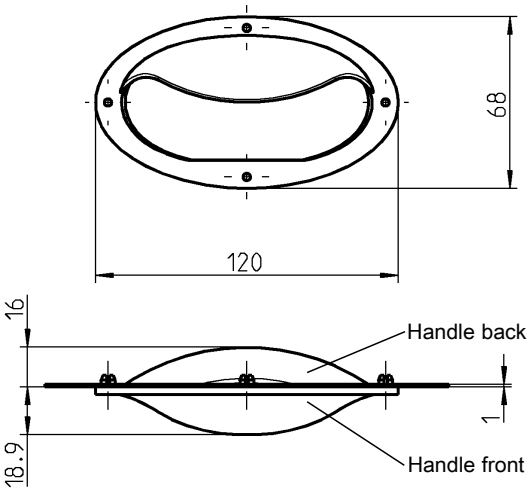
Pull

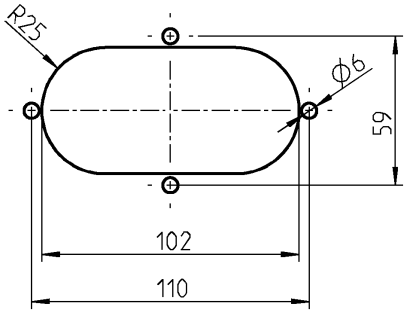
PROGRAM 1091

Pull Handle







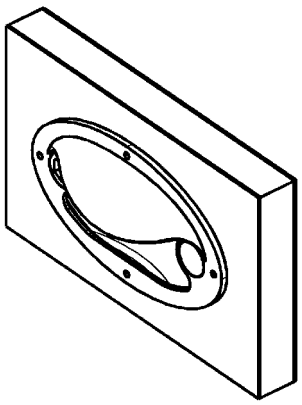


Cut out

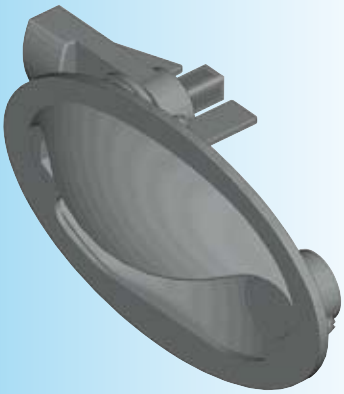
Pull Handle Polyamide GF black

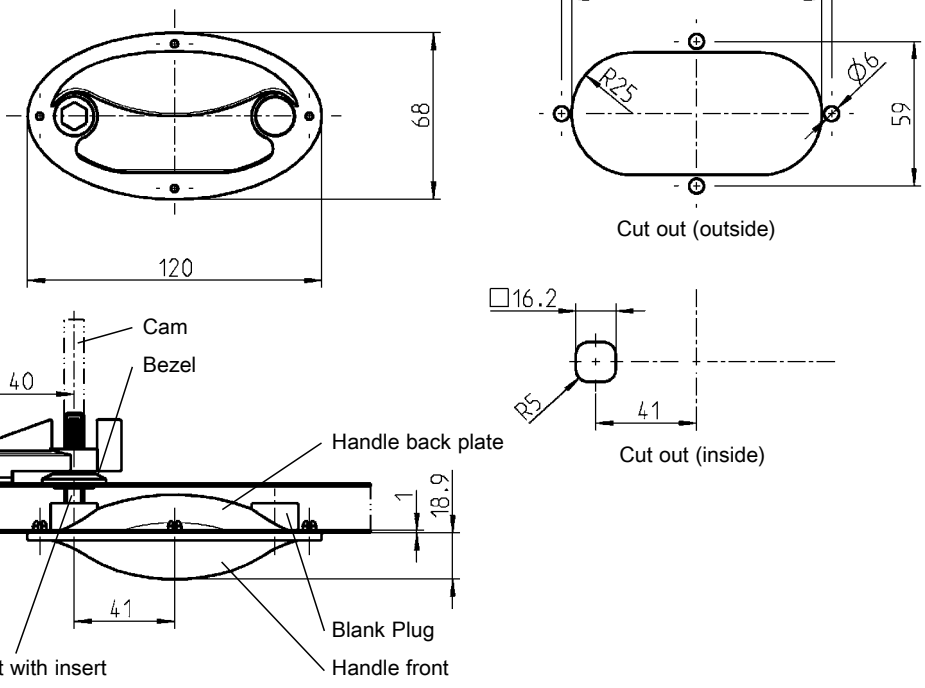
1091-U97

Pull with quarter turn









Handle, shaft, bezel, cam and plug Polyamide GF black with seal	
Version with shaft for Ts = 20-30 mm	1091-U98
Version with shaft for Ts = 20-60 mm	1091-U98-01

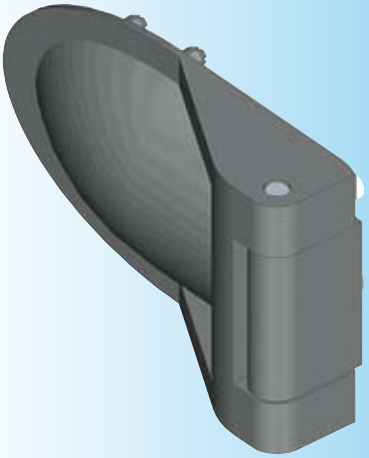
Assembly:
Hammer the fastening bolts until flush. Cam is clipped to shaft. The quarter turn can be opened with standard male hexagon key SW10 (acc. to DIN ISO 2936)

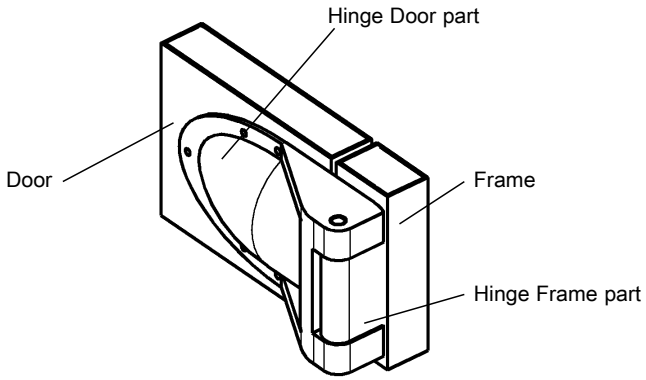
EMKA®

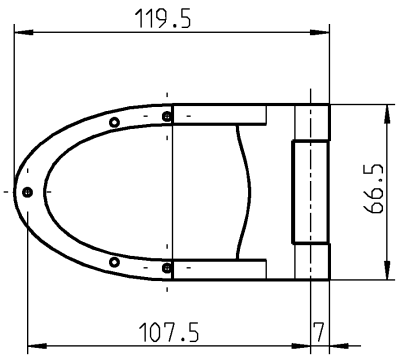
Beschlagteile

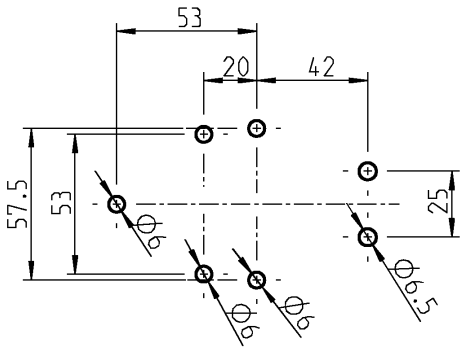
180°hinge

PROGRAM 1091

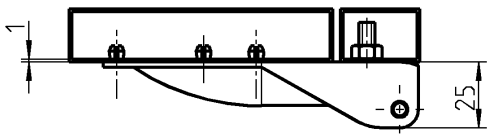








Cut out



Assembling:
Door part fixings are hammered flush. Frame part is fixed with M6 screws.

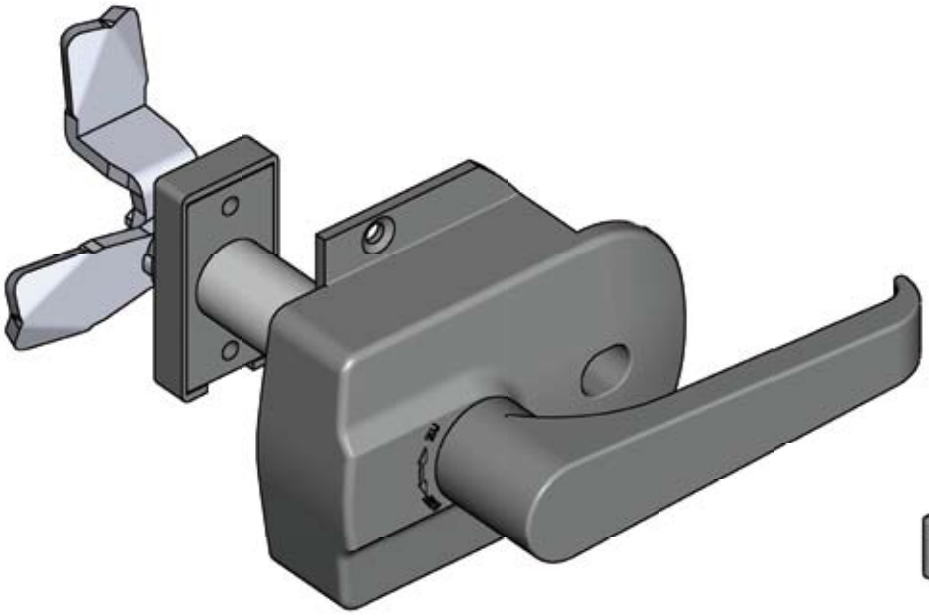
Hinge door part and frame part Polyamide GF black, pin m.s. zinc plated	
	1091-U96

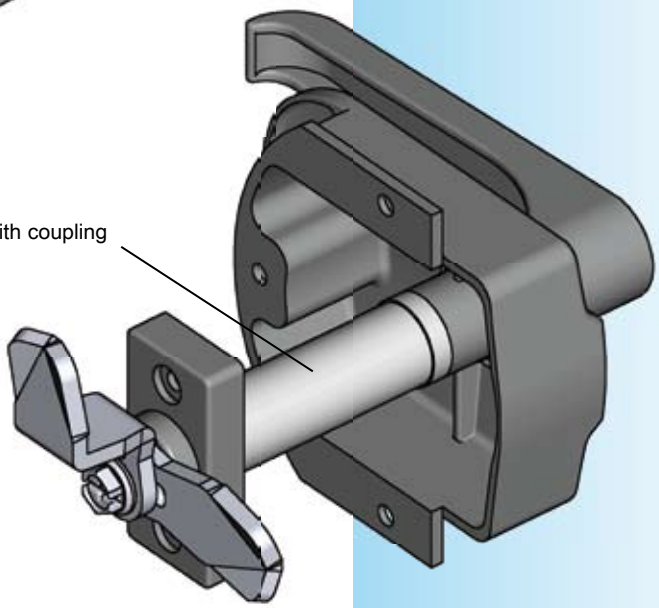
Surface mounted door lock with 2 step opening for pressure relief

PROGRAM 1000

RL

Example

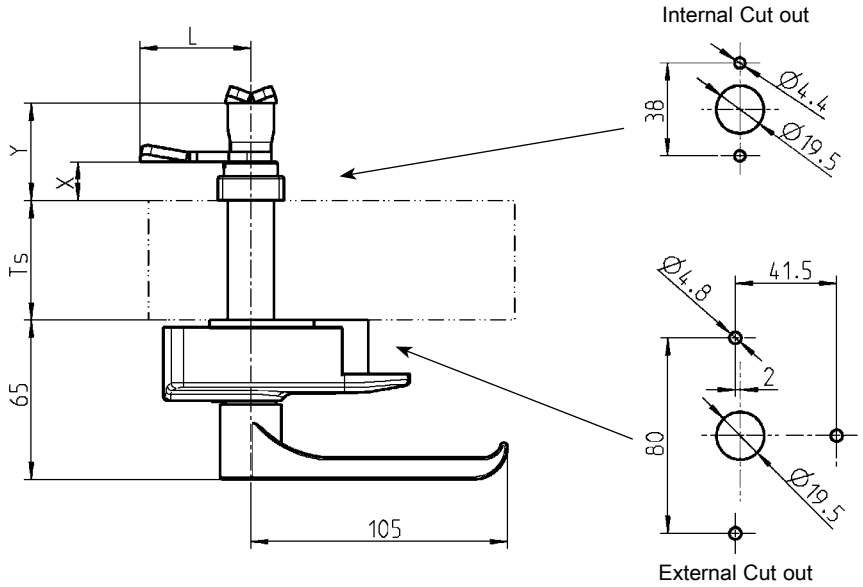




Combination of articles according to customers' request.

The Ts dimension of square shaft and spacer piece is defined exactly according to customers's request.

The measurements X and L are fixed according to customer information.



Attention:
Measurements Ts, X and L are specified according to customer information

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Surface mounted door lock with internal handle

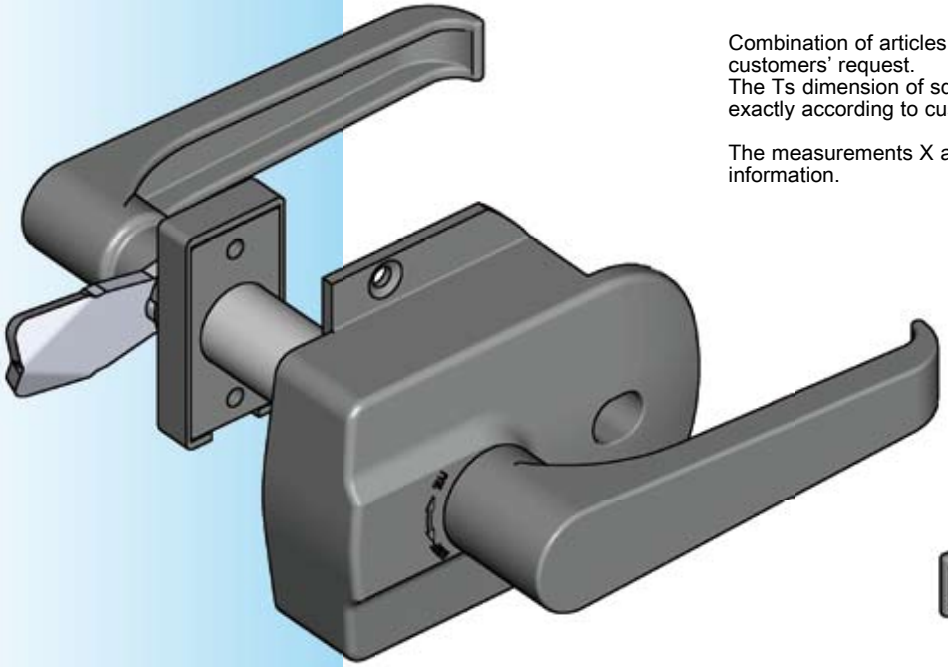
PROGRAM 1000

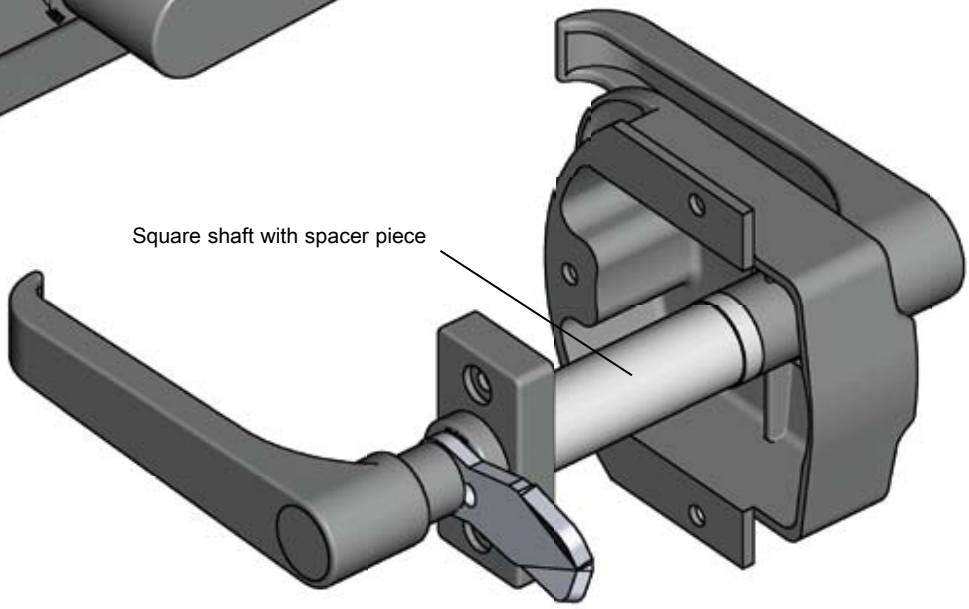
RL

Example

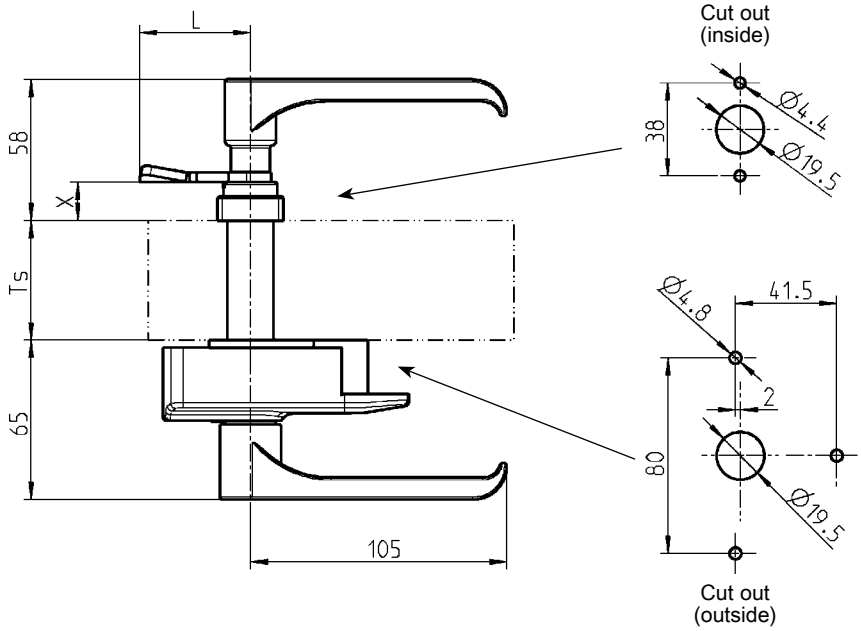
Combination of articles according to customers' request.
The Ts dimension of square shaft and spacer piece is defined exactly according to customers's request.

The measurements X and L are fixed according to customer information.

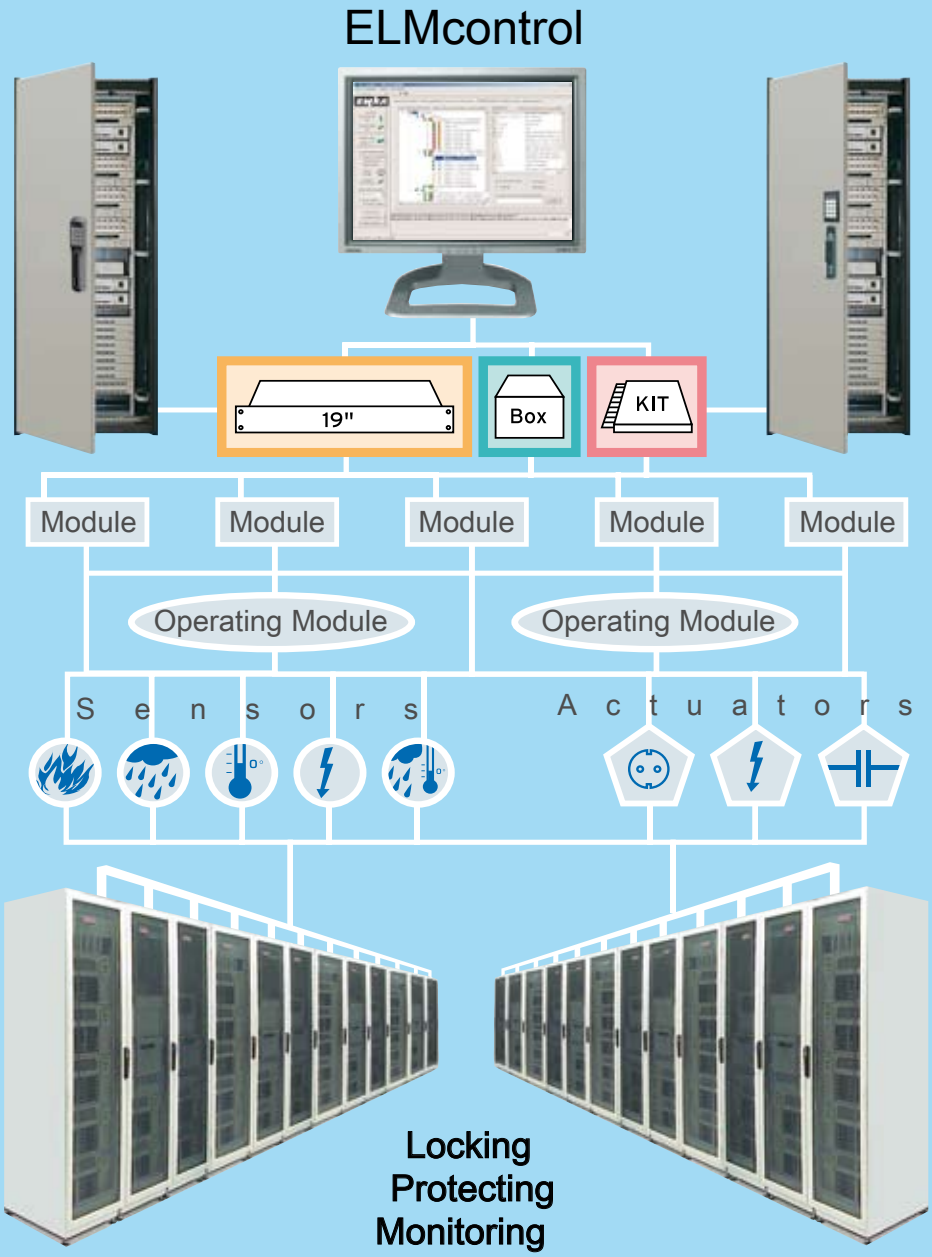




Attention:
Measurements Ts, X and L are specified according to customer information



ELM Systems
Electronic Locking & Monitoring
Program 3000: Network Solutions



The requirements on control cabinets or facilities in server rooms and computer centres have changed clearly.

Requirements of today are:

- **Improved data security**
- **Protection against unauthorized access**
- **Logging of all events**
- **Parameter controlled supervision**
- **Triggering of planned measures**
- **Connection to high level management systems**

Today's integrated system solutions must provide these capabilities – absolutely reliable, measurable and economical. Of course, the suitable locking solution has to be included, too.

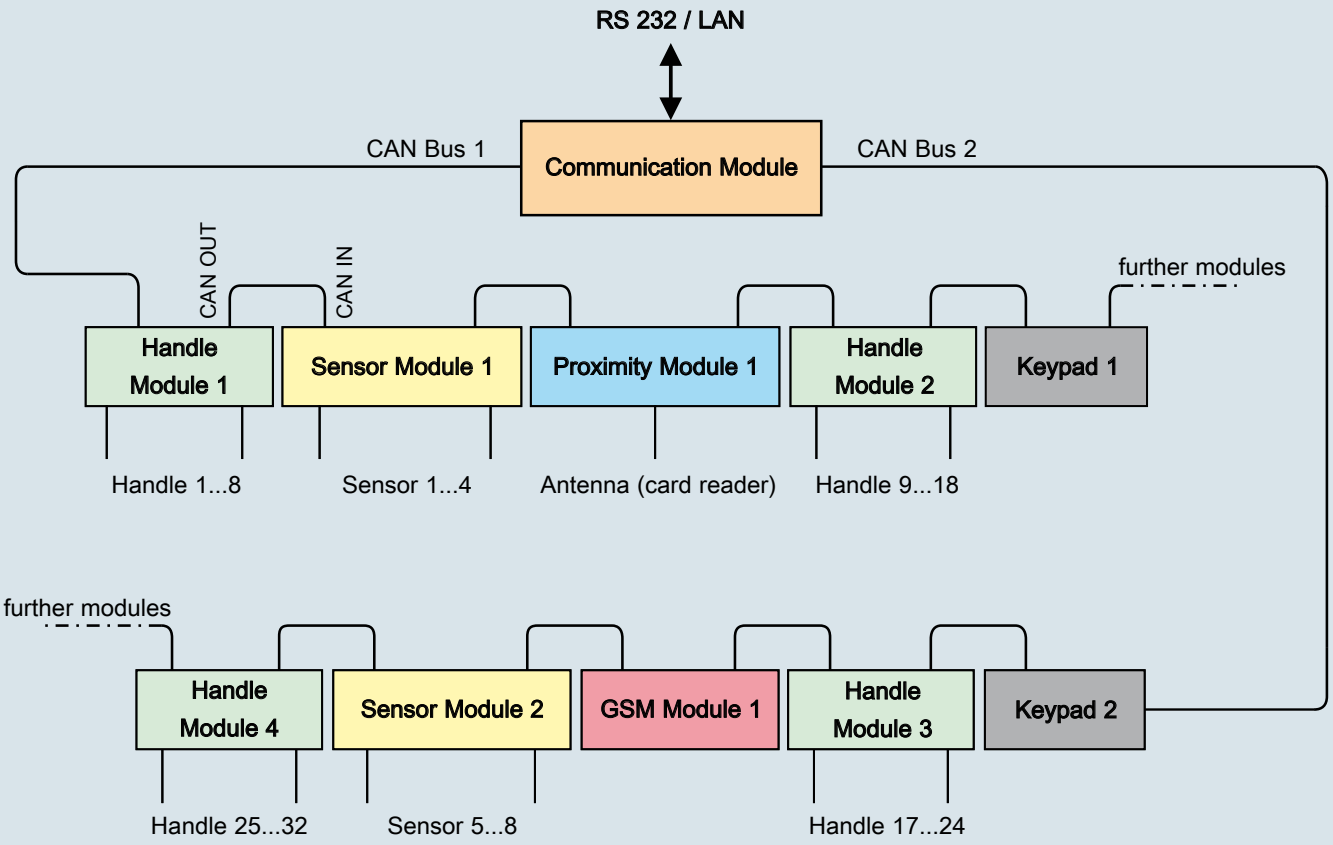
With Program 3000, EMKA offers a complete one-stop solution, which has the decisive features.
Our modular system design can be easily adapted to the customer's needs. The ELMcontrol software allows convenient control of all processes and access rights.
The 19" rack mount unit can be equipped individually and is a universal and convenient plug-and-play solution.

Complex network system solutions can be built up by linking several rack mount units or by combining them with encapsulated individual modules.
Encapsulated individual modules ("Box") can be used to extend a system. Especially for integrators, all components are also offered as unwired versions ("KIT").

ELM System Overview

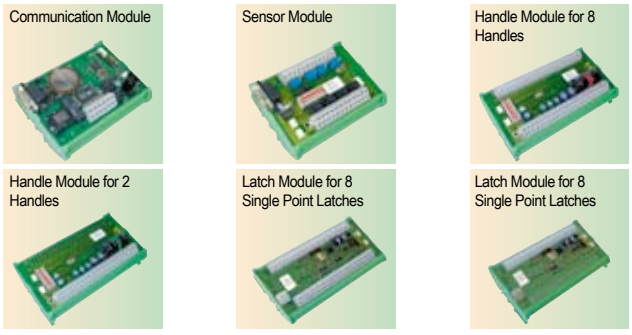
PROGRAM 3000

ELM System - Modular Design (Example)



ELM Components

Modules



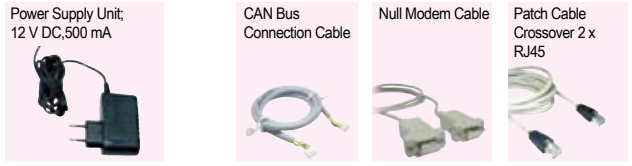
Operating Modules

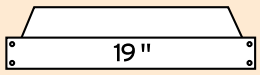
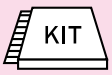


Sensors/Actuators



Accessories



Type		 Basic** 3000-U49	Standard* 3000-U50	Standard+* 3000-U53	 encapsulated Version	 components assemblies
Modules						
Communication Module	3000-U14-01	○	●	●	3000-U14-02	3000-U14-00
Sensor Module	3000-U13-01	○	●	●	3000-U13-02	3000-U13-00
Handle Module for 8 Handles	3000-U11-01	○	●	●	3000-U11-02	3000-U11-00
Handle Module for 2 Handles	3000-U12-01	○	○	○	3000-U12-02	3000-U12-00
Latch Module for 8 Single Point Latches	3000-U32-01	○	○	○	3000-U32-02	3000-U32-00
Latch Module for 2 Single Point Latches	3000-U33-01	○	○	○	3000-U33-02	3000-U33-00
Operating Modules						
Keypad	3000-U08-01	○	○	○	3000-U08-01	3000-U08-00
Proximity Module	3000-U09-01	○	○	●	3000-U09-02	3000-U09-00
GSM Module	3000-U10-01	○	○	○	3000-U10-02	3000-U10-00
Combi Handle + Keypad	2100-U158-01	○	○	○	2100-U158-01	2100-U158-00
Locking System Unit with Reed Contact	3000-U06-01	○	○	○	3000-U06-01	3000-U06-00
Single Point Latch	3000-U30-01	○	○	○	3000-U30-01	3000-U30-00
Sensors/Actuators						
Flat Reed Contact	3000-U35-01	○	○	○	3000-U35-01	3000-U35-00
Climatic Sensor - Temperature and Humidity	3000-U25-01	○	○	○	3000-U25-01	3000-U25-00
Analogue Acceleration/Tilt Sensor	3000-U38-01	○	○	○	3000-U38-01	3000-U38-00
Analogue Temperature Sensor	3000-U39-01	○	○	○	3000-U39-01	3000-U39-00
Analogue Voltage control Sensor	3000-U40-01	○	○	○	3000-U40-01	3000-U40-00
Switched Socket Outlet	3000-U41-01	○	○	○	3000-U41-01	3000-U41-00
Switched Socket Outlet with Volt. Control	3000-U42-01	○	○	○	3000-U42-01	3000-U42-00
Photoelectric Smoke Detector	3000-U34-01	○	○	○	3000-U34-01	3000-U34-00
Accessories						
Power Supply Unit;		●	●	●	3000-03-02	3000-03-00
CAN Bus Connection Cable 0.2 m		–	–	–	□	3000-U17
CAN Bus Connection Cable 3.0 m		–	–	–	□	3000-U18
CAN Bus Connection Cable 5.0 m		–	–	–	□	3000-U19
Null Modem Cable	3000-U29	○	○	○	3000-U29	3000-U29
Patch Cable Crossover 2 x RJ45	3000-U28	○	○	○	3000-U28	3000-U28

Legend:

* Completely assembled and wired.

** Assembled and wired according to customer's requirements (max. 6 modules per rack). Complex networks can be built by linking several racks.

● = standard
○ = optional
– = no need
□ = use standard patch cable 2 x RJ45

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Electronic Locking System

PROGRAM 3000

Designs

The modular ELM system is available in 3 different designs.

19” rack mount unit 1 HE



The 19” rack mount unit of the ELM system may be equipped with up to 6 modules of the ELM System. Composition and wiring are carried out according to the customer’s needs.
To equip the racks with modules the full scope of the ELM System can be used.
Control LEDs in the front indicate operating status of the modules.
Connectors are available on the rear of the rack in order to make the connection of handles, sensors, keyboards etc. easier.
The connection with further racks or box modules (see description below) is performed via standard patch cables 2 x RrJ45.
Each rack unit has a built-in power supply 100-240 V, 47-63 Hz AC.

Box - encapsulated version



The “Box Module” is a closed metal housing with dimensions 235 x 135 x 33 mm in RAL-7035. The housing can be equipped with one single ELM electronic module.
The “Box Module” provides the same plug connector system as the 19“ Rack Mount Unit. Therefore box modules and 19” Rack Mount unit can be easily linked together via standard patch cables 2 x RJ45.
All modules of the ELM system are also available as “Box Module”.

KIT - for top hat rail mounting



The modules in the KIT version are appropriate especially for connection and control systems. The modules are connected to each other via special CAN bus cables; handles and sensors are connected via push terminals. The modules are installed in a carrier for top hat rail mounting. The dimensions are: height ca. 60 mm and width ca. 90 mm; the length depends on the module type and may be of 107 mm or 150 mm.
All modules of the ELM system can be delivered as KIT version.

19" rack mount unit 1 HE, housing aluminium RAL 7035 coated
front side with control LEDs,
rear side with connectors for handles, sensors, keyboards, etc.,
built-in power supply 100-240 V, 47-63 Hz AC,
power supply cable with IEC connector 1,2 m,
wiring diagram

		19" Basic for max. 6 modules	19" Standard installed modules see table	19" Standard Plus installed modules see table
		3000-U49	3000-U50	3000-U53
The modules are bolted and wired ready for connection				
Proximity Module	3000-U09-01	□		■
GSM-Module	3000-U10-01	□		
Handle Module for 8 Handles	3000-U11-01	□	■	■
Handle Module for 2 Handles	3000-U12-01	□		
Sensor Module	3000-U13-01	□	■	■
Communication Module	3000-U14-01	□	■	■
Control Module for 8 Single Point Latches	3000-U32-01	□		
Control module for max. for 2 Single Point Latches	3000-U33-01	□		
Recommended accessories				
Null Modem Cable	3000-U29			
Patch cable Crossover 2 x RJ45	3000-U28			



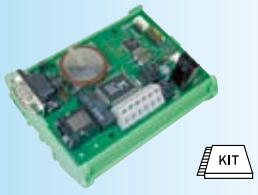
Note:
For initial installation a null modem cable 3000-U29 is required.

Communication Module

This module is the central unit of the ELM system and is required only once.
It has a serial RS 232 for configuration and a 10 Base -T Ehernet network interface for external communication. All other modules of the ELM System can be administered and operated via the communication module. The built-in real-time clock and an additional memory allow logging of all events of the ELM System Data remain resident, even in case of power failure. Two collective alarm relays can be used to signal alarms.

The transmission protocol SNMP allows simple integration of the system into superordinated management systems.

Versions, included in delivery:
3000-U14-00 KIT Module with plug-in terminals for top hat rail mounting
3000-U14-01 Module to be mounted in a 19“ rack mount unit
3000-U14-02 Box Module with connectors



Note:
For initial installation a null modem cable 3000-U29 is required.

	19"	Box	KIT
Communication Module	**3000-U14-01**	**3000-U14-02**	**3000-U14-00**
Switched Socket Outlet	3000-U41-01		3000-U41-00

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Electronic Locking System

PROGRAM 3000



Sensor Module

This module is used for reading and analyzing various measured variables, such as temperature, humidity, smoke or electrical parameters. It has 4 analogue sensor inputs. 4 alarm relay outputs can be assigned to the sensor inputs. (e.g. switching on/off fans)
Each sensor can be programmed independently of the others with different limit values.

Versions, included in delivery:

3000-U13-00 KIT Module with plug-in terminals for top hat rail mounting
3000-U13-01 Module to be mounted in a 19“ rack mount unit
3000-U13-02 Box module for sensors with connector plugs

	19"	Box	KIT
Sensor Module	**3000-U13-01**	**3000-U13-02**	**3000-U13-00**
Climatic Sensor (temperature and humidity)	3000-U25-01		3000-U25-00
Photoelectric Smoke Detector	3000-U34-01		3000-U34-00
Analogue Acceleration/Tilt Sensor	3000-U38-01		3000-U38-00
Analogue Temperature Sensor	3000-U39-01		3000-U39-00
Analogue Voltage control Sensor	3000-U40-01		3000-U40-00
Switched Socket Outlet	3000-U41-01		3000-U41-00
Switched Socket Outlet with Voltage Control	3000-U42-01		3000-U42-00



Proximity Module (Legic® transponder)

The Proximity Module allows access authorization via proximity cards within the ELM System. Thereby, the release of a locking device can be performed directly via an authorized proximity card or in conjunction with the Keypad 3000-U08-0x, by selecting the locking device to be opened.

Each proximity card can be limited with regard to the number of permitted uses and expiring date.
The authorizations of a card can be changed at any time via the software. To increase the ease of use it is possible to connect several operating modules to an ELM System.

Versions:

3000-U09-00 KIT Module for hat rail mounting
3000-U09-01 Module to be mounted in a 19“ rack mount unit
3000-U09-02 Box Module

Included in delivery:

- Antenna is integrated into a mounting frame, cable length 3 m.
- 2 programmable proximity cards
- Fixing material for the antenna and drilling plan

	19"	Box	KIT
Proximity Module	**3000-U09-01**	**3000-U09-02**	**3000-U09-00**

GSM Module

By means of DTMF-capable telephone (mobile or fixed network) a telephone connection is established to the GSM modem and therewith access is given to the complete ELM System. All locking systems connected can be operated. Furthermore, text messages (SMS) of certain alarms may be sent to correspondingly listed addresses.

Versions:
3000-U10-00 KIT Module with plug-in terminals for top hat rail mounting
3000-U10-01 Module to be mounted in a 19“ rack mount unit
3000-U10-02 Box Module

Included in delivery:
- Industrial GSM modem with magnet foot antenna and connection cable





Note:
The modem can be used in standard GSM networks.

A subscription to the respective mobile phone provider is necessary.

	19"	Box	KIT
GSM Module	**3000-U10-01**	**3000-U10-02**	**3000-U10-00**

Handle Module for 8 Handles

This module controls up to 8 handle with solenoid unit and monitors the status of the 8 handle contacts. A door contact 3000-U35-x can also be connected instead of a handle. Activated by means of a local operating module or via the management software, it sends an electrical pulse to the locking device. Monitoring of the status of the locking systems and/or doors or side panels of cabinets is possible via door contacts.

Versions, included in delivery:
3000-U11-00 KIT Module with plug-in terminals for top hat rail mounting
3000-U11-01 Module to be mounted in a 19“ rack mount unit
3000-U11-02 Box Module for electronic handles with connector plugs

Power Supply Units 3000-03-00 or 3000-03-02 are required for the modules -00 and -02.



	19"	Box	KIT
Handle Module for 8 Handles	**3000-U11-01**	**3000-U11-02**	**3000-U11-00**
Locking System Unit with Reed Contact Switch for swing handle Programs 2100, 1180, 1151, 2400	3000-U06-01		3000-U06-00
Flat Reed Contact (door switch)	3000-U35-01		3000-U35-00
ELM Combination Handle with integrated keypad	2100-U158-01		2100-U158-00

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Electronic Locking System

PROGRAM 3000



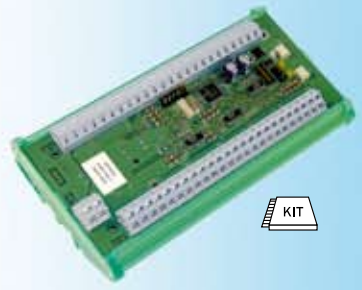
Handle Module for 2 Handles

This module controls up to 2 handles and monitors the status of 2 contacts.
Activated by means of a local operating module or via the management software, it sends an electrical pulse to the locking device. Monitoring of the status of the locking systems and/or doors or sidepanels of cabinets is possible via door contacts.

Versions, included in delivery:
3000-U12-00 KIT Module with plug-in terminals for top hat rail mounting
3000-U12-01 Module to be mounted in a 19“ rack mount unit
3000-U12-02 Box Module for electronic handles with connector plugs

Power Supply Units 3000-03-00 or 3000-03-02 are required for the modules -00 and -02.

	19"	Box	KIT
Handle Module for 2 Handles	**3000-U12-01**	**3000-U12-02**	**3000-U12-00**
Locking System Unit with Reed Contact Switch for swing handle Programs 2100, 1180, 1151, 2400	3000-U06-01		3000-U06-00
Flat Reed Contact (door switch)	3000-U35-01		3000-U35-00
ELM Combination Handle with integrated keypad	2100-U158-01		2100-U158-00



Latch Module for 8 Single Point Latches

This module controls up to 8 single point latches or handles 1150-U56/U58 and monitors the status of 8 contacts.
Activated via operation module, or management software from a PC, the locking system is released for a certain period of time. Monitoring status of the locking systems and/or doors or sidepanels of cabinets is possible via the corresponding digital inputs.

Versions, included in delivery:
3000-U32-00 KIT Module with plug-in terminals for top hat rail mounting
3000-U32-01 Module to be mounted in a 19“ rack mount unit
3000-U32-02 Box Module for electronic handles with connector plugs

Power Supply Units 3000-03-00 or 3000-03-02 are required for the modules -00 and -02.

	19"	Box	KIT
Latch Module for 8 Single Point Latches	**3000-U32-01**	**3000-U32-02**	**3000-U32-00**
Single Point Latch with Reed Contact Switch	3000-U30-01		3000-U30-00
Flat Reed Contact (door switch)	3000-U35-01		3000-U35-00

Latch Module for 2 Single Point Latches

This module controls up to 2 single point latches or handles 1150-U56/U58 and monitors the status of 2 contacts.
Activated by means of a local operating module or via the management software, it sends an electrical impulse to the locking device. Monitoring of the status of the locking systems and/or doors or side panels of cabinets is possible via door contacts.



Versions, included in delivery:
3000-U33-00 KIT Module with plug-in terminals for top hat rail mounting
3000-U33-01 Module to be mounted in a 19“ rack mount unit
3000-U32-02 Box Module for electronic handles with connector plugs

Power Supply Units 3000-03-00 or 3000-03-02 are required for the modules -00 and -02.

	19"	Box	KIT
Latch Module for 2 Single Point Latches	**3000-U33-01**	**3000-U33-02**	**3000-U33-00**
Single Point Latch with Reed Contact Switch	3000-U30-01		3000-U30-00
Flat Reed Contact (door switch)	3000-U35-01		3000-U35-00

Keypad

The keypad unit allows the selection of doors within the system, as well as an input of the access code for the selected door.
To increase the ease of use it is possible to connect several keypads to one ELM System.



Versions, included in delivery:
3000-U08-00 is supplied with a CAN-Bus connector plug for KIT Modules
3000-U08-01 is supplied with a RJ11 plug for connection to a 19’’ rack mount unit or box modules -02.

- The keypad comes with 3 m of cable.
- Fixing material and drilling plan.

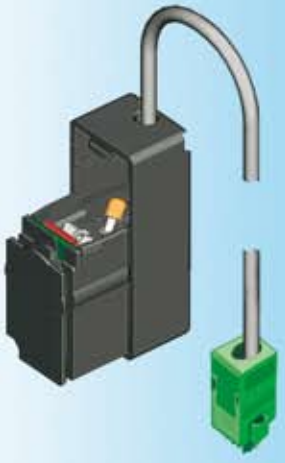
	19"	Box	KIT
Operating Module Keypad	**3000-U08-01**		**3000-U08-00**

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Electronic Locking System

PROGRAM 3000





Further parts see page

Program 1150
– Swinghandle 1151 3C-420
3C-440

Program 1180
– Swinghandle 3E-120
up to 3E-520

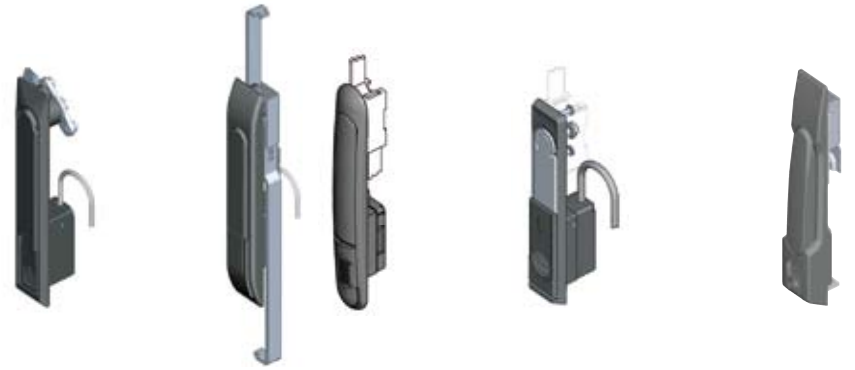
Program 2100
– Swinghandle 3H-320

Program 2400
– Swinghandle 3K-220

Locking System Unit with Reed Contact Switch

This solenoid unit is intended for an installation into spring-loaded handle systems with reed contact. The unit is indicates the current status of the handle (open/closed).
This unit can be installed in the following swing handle programs:

Program 1150 Program 1180 Program 2100 Program 2400



Please order the handle systems prepared for Reed contact
For other handle systems, please, contact EMKA.

This solenoid module can be connected to handle modules 3000-U11-0x and 3000-U12-0x.

Versions, included in delivery:
3000-U06-00 with connection cable (3 m) for modules of type KIT
3000-U06-01 with connection cable (3 m) and plug for modules of type Box and 19“ rack mount unit

Note:
For safety cabling: standard Rod guides
see pages 3ZA-520/3ZB-520 and 3ZC-140

	19"	Box	KIT
Locking System Unit with Reed Contact Switch	3000-U06-01		3000-U06-00



Single Point Latch with Reed Contact Switch

The single point latch can be used in special application areas. It can be connected to latch modules 3000-U32-0x and 3000-U33-0x.

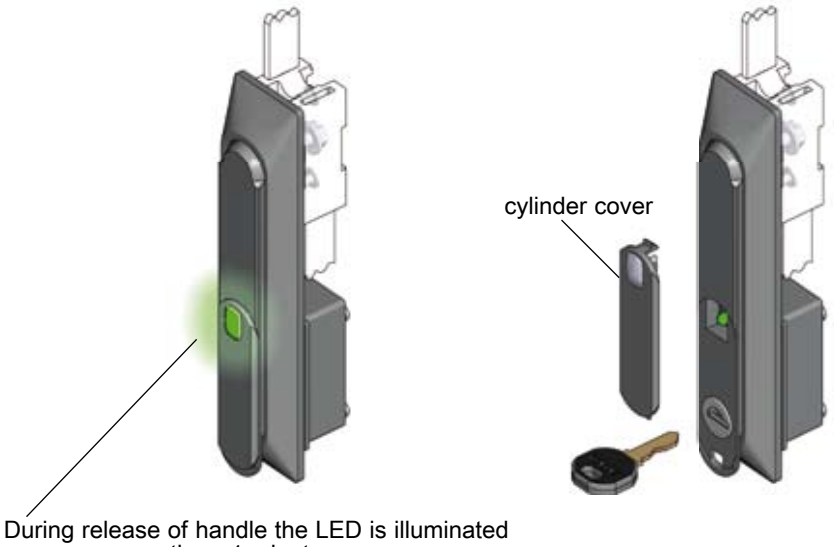
Versions, included in delivery:
3000-U30-00 with connection cable (3 m) modules of type KIT
3000-U30-01 with connection cable (3 m) and plug for modules of type Box and 19“ rack mount unit

	19"	Box	KIT
Single Point Latch with Reed Contact Switch	3000-U30-01		3000-U30-00

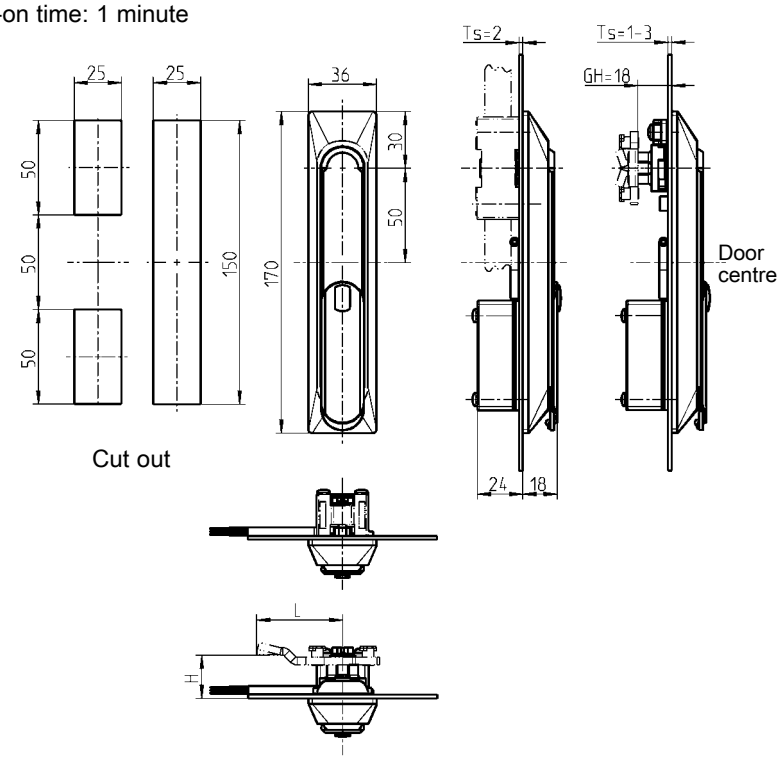
Swinghandle 1150 with electromechanical release and emergency opening

PROGRAM 1150

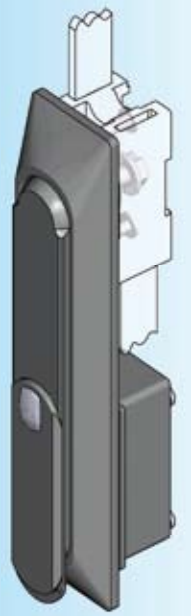
This handle is suitable for locking of indoor cabinets. It is released by applying a voltage signal of 12 V or 24 V DC. After the handle has been pressed briefly into the dish, it can be opened. The integrated reed contact indicates the handle status. To lock the handle it must be pressed into the dish until the closing mechanism engages. The key provided is used to open the handle in case of power failure. For this the cover over the locking cylinder must be removed. The cover will be destroyed thereby and must be placed.



During release of handle the LED is illuminated
max. power-on time: 1 minute



Cut out





Swinghandle zinc die black powder coated, cap and sliding dust cap polyamide GF black, shaft AISI 303, round cylinder with stainless steel cap and shutter, solenoid with electronics, reed contact and LED, cable (4 m), fixing material m.s. zinc plated Each round cylinder has one silver steel key with polyamide grip GF black.		
	keyed EK 333	**keyed different**
Solenoid 12V, for rod control	1150-U56	1150-U56-V
Solenoid 24V, for rod control	1150-U56-01	1150-U56-01V
Solenoid 12V, for cam	1150-U58	1150-U58-V
Solenoid 24V, for cam	1150-U58-01	1150-U58-01V
Cylinder cover polyamide GF black (spare part)		
		1150-B33

Further parts see page
– Cams (GH = 18) 3YC-120
– Rod control 3YA-120
3YA-140
– Spare key 12B-140

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®Swinghandle 1154 with electromechanical release and emergency opening

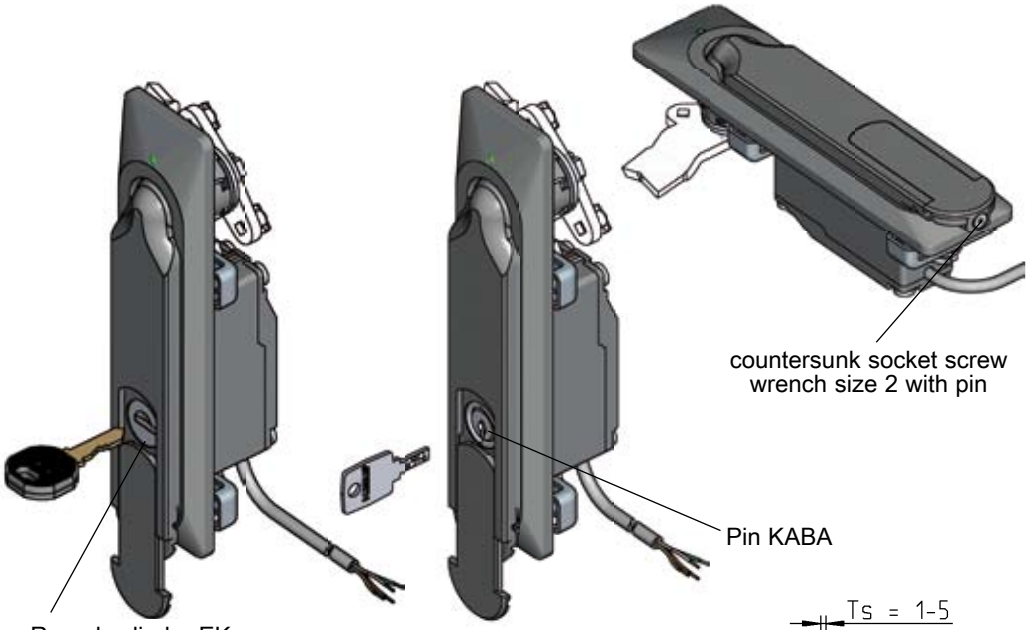
PROGRAM 1150

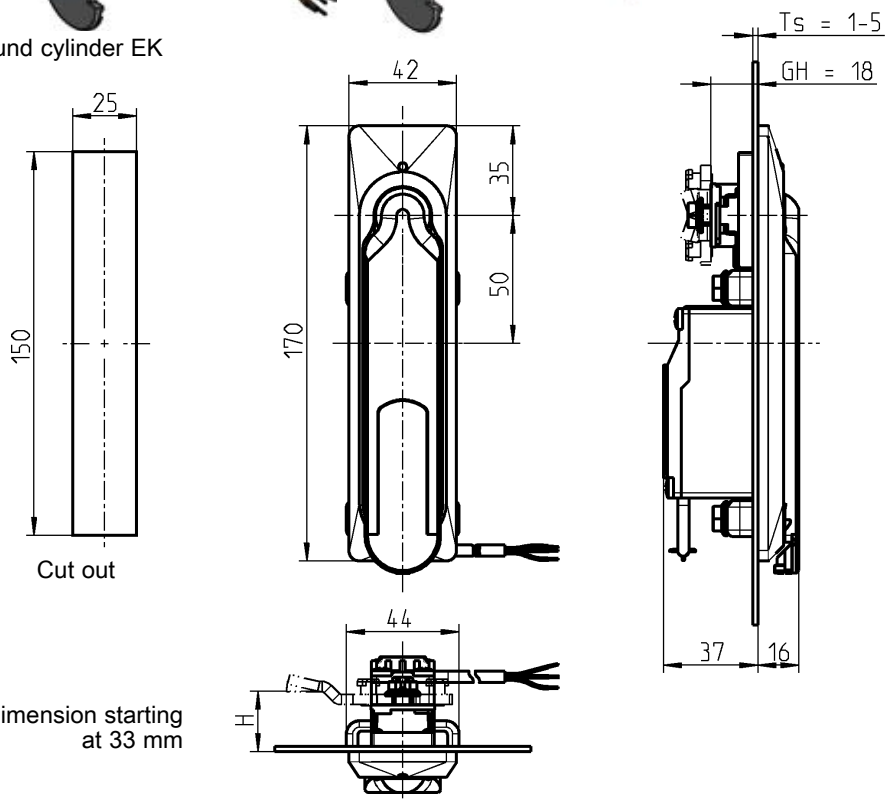
RL IP 65

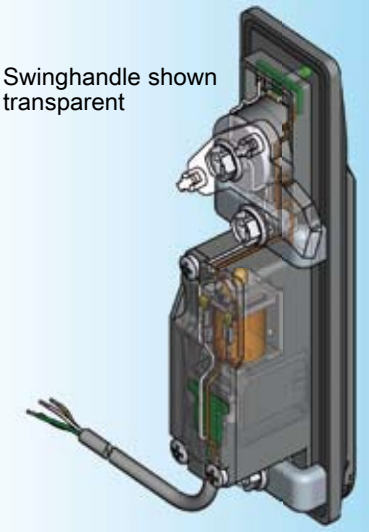
This handle is suitable to lock cabinets in outdoor installation.It is released by applying a 48 V DC signal. After the handle has been pressed briefly into the dish, it can be opened. The integrated reed contact indicates the handle states. To lock the handle, must be pressed into the dish until the locking mechanism engages. The key provided is used to open the handle in case of power failure. Remove screw M3 to open the cylinder cover. Opening via round bolt cylinder is now possible.



max. power-on time: 1 minute







Further parts see page
Cam (stroke 26)
H-dimension as of 33 mm — **3YC-120**
– Rod — on request
– Spare key
EK — 12B-140
KABA — on request

Swinghandle zinc die black powder coated, cap and dust cap polyamide GF black, shaft zinc die zinc plated, holder AISI 304, round cylinder EK with stainless steel cap and shutter, brass pin, solenoid with electronics, reed contact and LED, cable (4 m), screw M3 for cylinder cover AISI 304, fixing material m.s. zinc plated, with seal.
Each cylinder EK with one key silver steel with grip polyamide GF black

Round cylinder EK; keyed EK 333	1154-U6
Round cylinder EK; keyed different	1154-U6-V
Pin KABA Micron Plus	1154-U6-01V

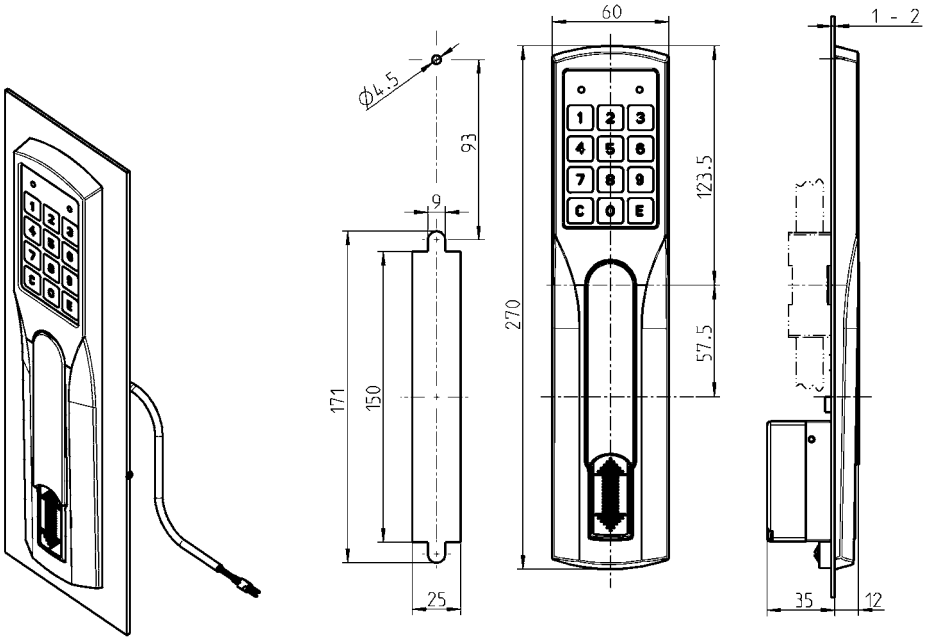
ELM Combination Handle Unit with Integrated Keypad

The Combination Handle Unit is a spring loaded handle with a built-in Keypad Module 3000-U8-0x, which is completely integrated into a moulded escutcheon.
A Locking System Unit with Reed Contact Switch 3000-U6-0x is also integrated.

The keypad unit allows the selection of doors within the system, and the input of the access code of the selected door.
By an electrical pulse, the integrated locking unit releases the handle from the escutcheon so that it can be turned to open the door.
The integrated reed contact indicates the handle status(open/closed) to the connected modules for further processing.

Thanks to the integration in the bus system the access codes can be assigned and altered conveniently. The keypad can operate all locksin the system.

The access code system allows grouping of handles with different access permissions which can be subdivided hierarchically. Master key systems and group key systems can be developed this way.



Cut out



Versions, included in delivery:
Swing Handle GD Zn black, Moulded Escutcheon Polyamide GF black;
Operating Module Keypad and Locking System Unit with Reed Contact Switch

2100-U158-00 with connection cable (3 m) for modules of type KIT
2100-U158-01 with connection cable (3 m) and plug for modules of type Box and 19“ rack mount unit

Note:
It is possible to use the antenna of the proximity module instead of the keypad (on request).

	19"	Box	KIT
ELM Combination Handle Unit with integrated keypad	2100-U158-01		2100-U158-00

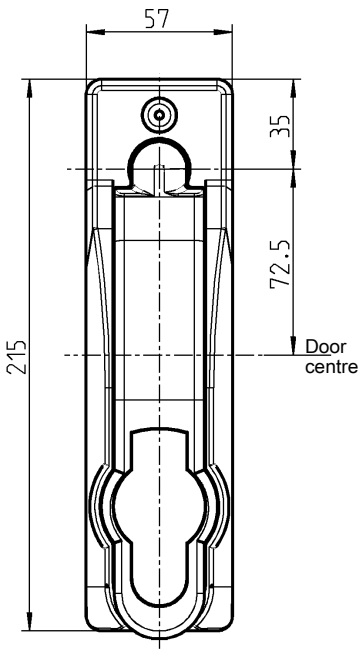
Further parts see page
Rod control 3YA-520
3YA-540

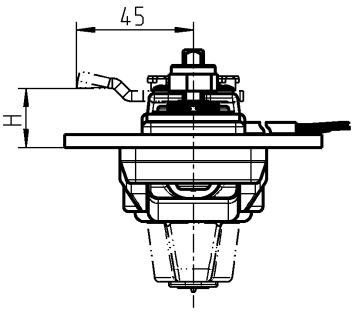
Swinghandle 1154 with RC2 and electromechanical release; limited emergency opening

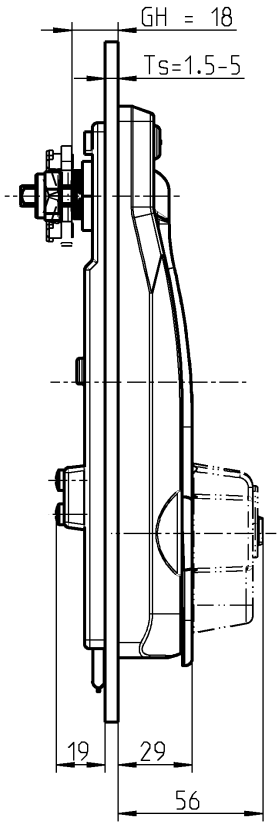
PROGRAM 1150

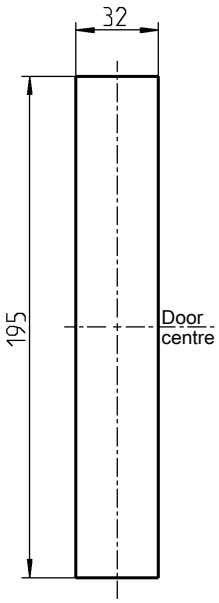




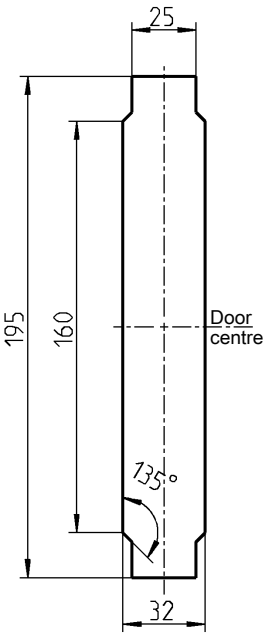




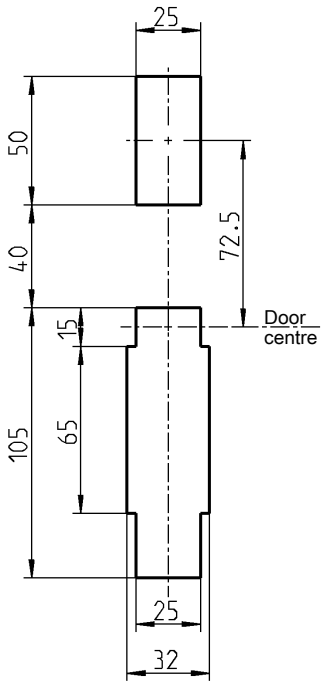




Cut out

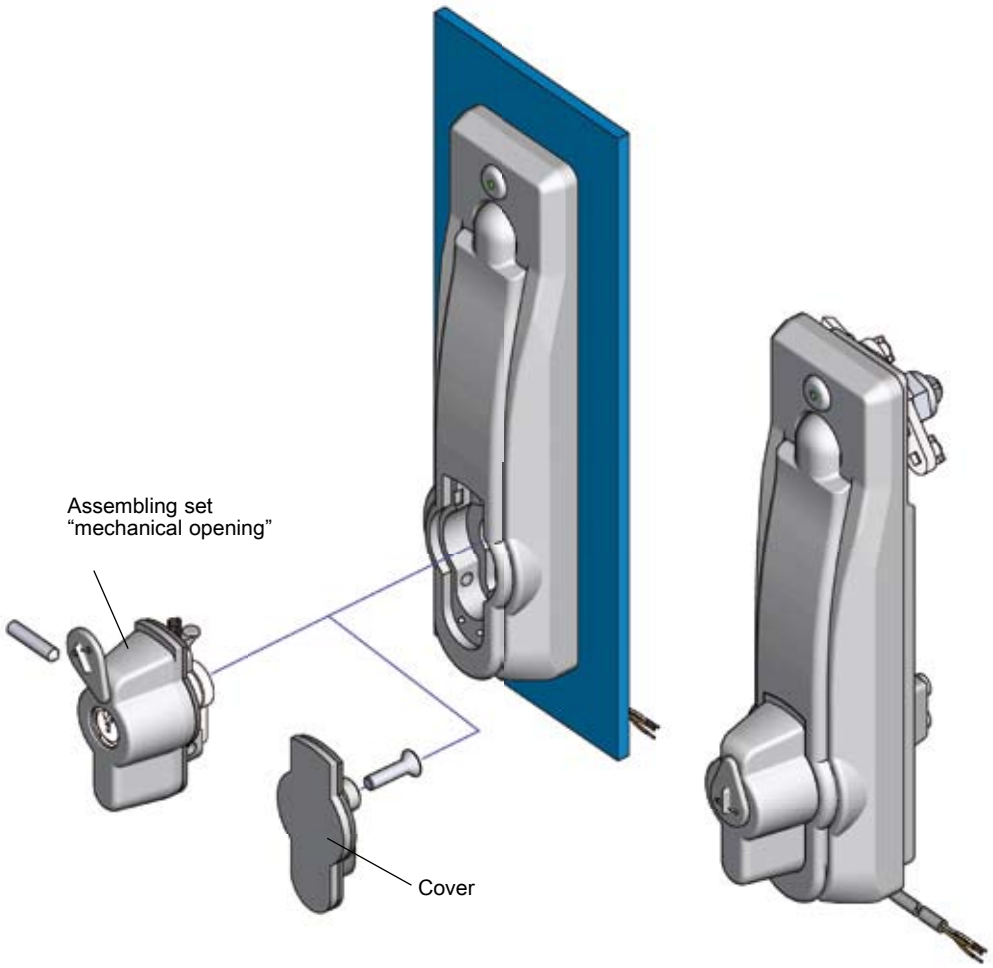


alternative cut out

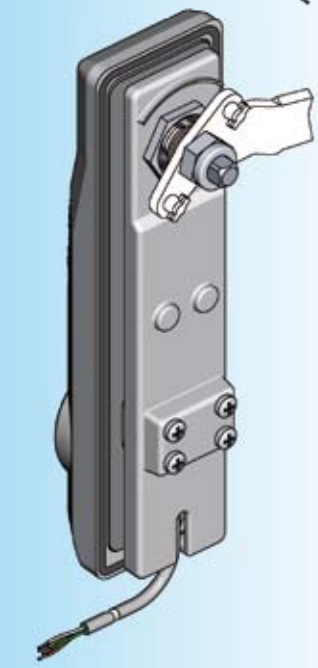


alternative cut out

This handle suitable for indoor and outdoor applications from -30°C to +80°C. It is released by applying a 48 V DC signal. On release of the handle, the LED is illuminated.
After the handle has been pressed into the dish, it will open.
The integrated reed contact indicate the handle status. To lock the handle, must be pressed into the dish until the locking mechanism engages. The ready-assembled swinghandle with cover is IP65 on the front and IP42 on the back; with the assembling set „mechanical opening" it is IP54.
With cover in place, the handle is vibration and shock tested and complies to resistance class standard "RC2". It is not possible to open the handle nondestructively after mounting the cover.







PIV Certificate 20-28/09
The swinghandle has successfully passed the test according to WK 2 DIN V ENV 1630 (RC2). The test was approved by the Test Institute for Locks and Fittings Velbert

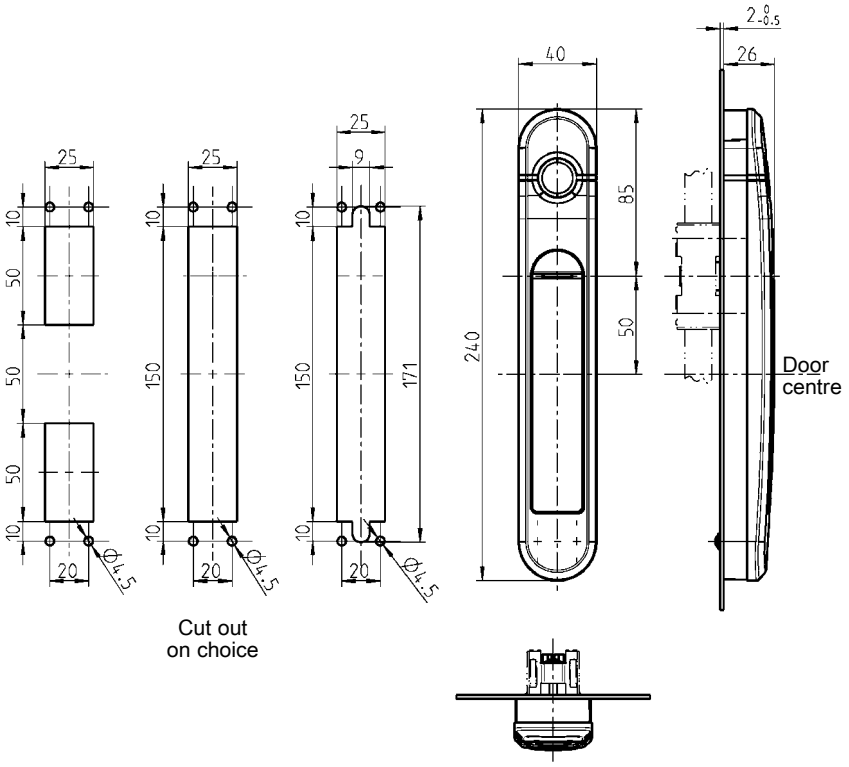
Swinghandle zinc die light grey powder coated (RAL 7035), Cover AISI 316 light grey powder coated (RAL 7035), shaft AISI 303, solenoid with electronics, reed contact, LED and cable (4m), fixing material m.s. zinc plated, with seal.	
	1154-U12
Assembling set "mechanical opening" polyamide light grey (RAL 7035), trigger zinc die zinc plated, spring stainless steel, fixing material m.s. zinc plated, with seal.	
for profile half zylinder	1154-U11

Further parts see page
– Cam (stroke 26) 3YC-120
– Rod 3ZB-540
– Profile half cylinder 3XB-320

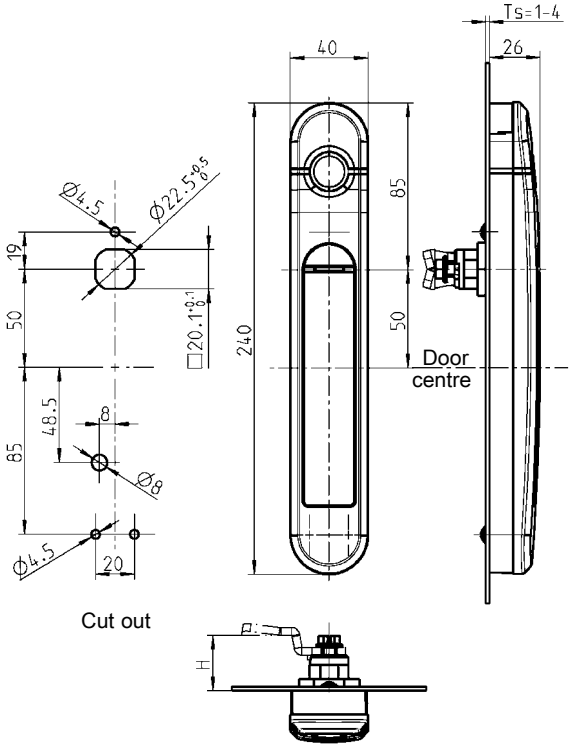
Swinghandle AGENT E with electromechanical release

PROGRAM 3000

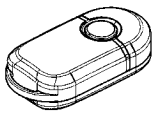
Swinghandle for rod control or bearing bush

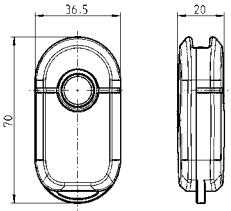


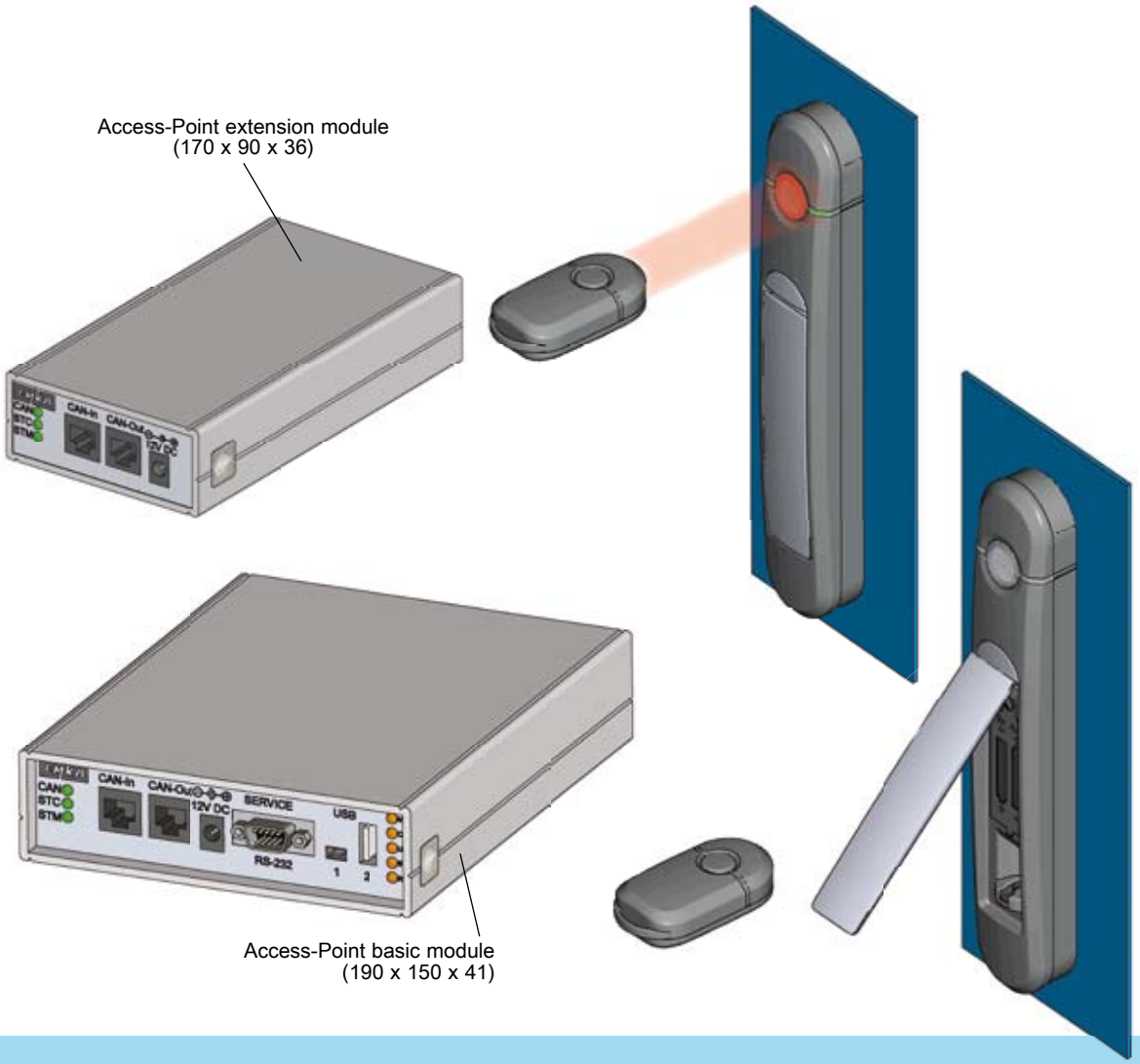
Swinghandle with quarter turn for cam



TAG (Micro transmitter)







Basic
This version is a combination of electronic swing handles type AGENT E and micro transmitters (TAGs). Only authorized User TAGs will open a handle. LEDs in the TAG are switched on by pressing the pushbutton. The light beam must be directed onto the photocell in the handle. The light of the diodes is encoded; each TAG is unique and sends out an individual code. Access rights for User TAGs can be assigned via so called Master TAGs (with red pushbutton).

Professional
An enhanced level of comfort is offered by the version “Professional”. Via software and built in USB interface Master Key Plans and time profiles can be entered and internal event memory can be read out. Master TAGs can be used as “hardware dongles” here. Communication to a handle only works after releasing the USB port via Master TAG.

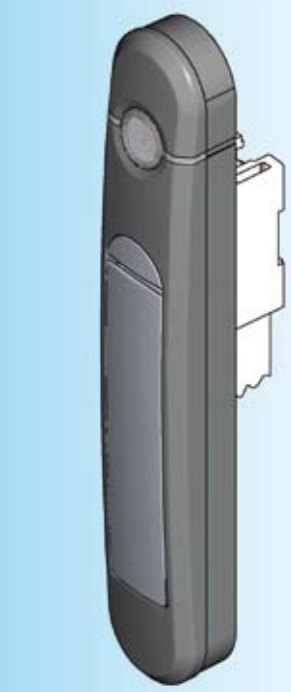
Superior
With the version “Superior” all activities can be managed remotely.
Configuration, readout and opening of swinghandles are via radio transmission.

System overview

System Basic
– easy authorization of TAGs (micro transmitter) directly at the handle
– max. 32 User TAGs and up to 5 Master TAGs
– emergency power supply in case of power loss via USB port
– no software needed

System Professional (additional features to the System Basic)
– configurable via USB with freeware AGENT E Management Suite: create or change Master key plans and time profiles, read out event memory
– logging of the last 2,000 events: who, when, which handle
– Master TAG is used to prevent the USB port against unauthorized use

System Superior (additional features to the System Professional)
– handles can be configured, monitored and opened remotely
– interconnection to the handles is via radio transmission and special access point
– logging of the last 5,000 events: who, when, which handle





Swinghandle polyamide GF black, handle and shaft zinc die white aluminium powder coated, locking latch brass and POM black, light guide transparent poly carbonate, spring, fixing material m.s. zinc plated, gear motor, electronics, 2 batteries, instruction		
Version for countries of European Community, Norway and Switzerland	**for rod control or bearing bush**	**with quarter turn for cams**
System Basic	3000-U92	3000-U93
System Professional	3000-U92-01	3000-U93-01
System Superior	3000-U92-02	3000-U93-02
TAG (Micro transmitter) polyamide black, screw m.s. zinc plated, electronics, battery		
User TAG with black pushbutton		3000-U90
Master TAG with red pushbutton		3000-U91
Adapter-set for bearing bush, adapter plate polyamid black, adapter steel precision zinc plated, fixing material m.s. zinc plated		
for Ts 1.0 - 3.0		3000-U104-01
USB adapter cable		
USB standard-A to USB micro-B		3000-U102
Access-Point, version for all EU countries incl. Switzerland and Norway		
Access-Point basic module		3000-U99-01
Access-Point extension module		3000-U98-01

Note:
The system Superior may not be used in other countries than of Euopean Union, Switzerland and Norway.

Further parts see page
– Rod control 3YA-120, 3YA-140
– Bearing bush 3YB-120
– Cam (GH=18) 1C-120, 1C-140, 1C-160



Flat Reed Contact used as door switch

In conjunction with the ELM System, this digital sensor can be used for monitoring of the status of a cabinet door or side panel. It can be connected to the module types 3000-U11-0x, 3000-U12-0x, 3000-U32-0x or 3000-U33-0x.

Versions, included in delivery:

3000-U35-00 with connection cable (5 m) for modules of type KIT
3000-U35-01 with connection cable (5 m) and plug for modules of type Box and 19“ rack mount units

	19"	Box	KIT
Flat Reed Contact (door switch)	3000-U35-01		3000-U35-00



Climatic Sensor - Temperature and Humidity

This analogue climatic sensor measures humidity and temperature of the environment. It can be connected to a Sensor Module 3000-U13-0x.

Technical data:	
Operating voltage:	7.5...27 V DC (provided by the ELM-System)
Measuring range humidity:	0...100 % rel. humidity
Accuracy:	± 3.5 % (20...80 % r.F.)
Response time:	< 4 sec.
Output humidity	0.5...5.5 V
Measuring element:	capacitive (dewing strength)
Measuring range temp.:	–20...+80 °C
Accuracy:	± 0.5 K @ 25 °C
Response time:	< 20 sec
Output temperature:	0.5...5.5 V
Measuring element:	semiconductor

Other:	
L x W x H:	65 x 31 x 22 mm
Cable length:	2 m
Current consumption:	ca. 0.8 mA

Versions, included in delivery:

The climatic sensor is integrated in a housing with two fixing holes.

3000-U25-00 with connection cable (2 m) for modules of type KIT
3000-U25-01 with connection cable (2 m) and plug for modules of type Box and 19“ rack mount units

	19"	Box	KIT
Climatic Sensor - Temperature and Humidity	3000-U25-01		3000-U25-00

Photoelectric Smoke Detector



Photo sensor Smoke, VdS accepted, G29219.
It can be connected to a Sensor Module 3000-U13-0x.

Versions, included in delivery:

3000-U34-00 with connection cable (3 m) for modules of type KIT
3000-U34-01 with connection cable (3 m) and plug for modules of type Box and 19“ rack mount unit

	19"	Box	KIT
Photoelectric Smoke Detector VdS accepted	3000-U34-01		3000-U34-00

Analogue Acceleration/Tilt Sensor



This analogue sensor can be used in safety-relevant applications to ensure protection against vandalism, destruction and theft. It measures acceleration along one axis.
It can be connected to a Sensor Module 3000-U13-0x.

Technical data:

Operating voltage:	7.5...15V DC (provided by the ELM System)
Measuring axis:	Z-axis
Measuring range:	+/-5 g
Output at 0 g:	2.5V +/-0.25V
Sensitiveness:	0.4 +/-0.02) V/g
Non-linearity:	+/-1% FSO
Bandwidth:	50 Hz
Protection against overload:	up to 1500 g
Measuring element:	capacitive

Other:

L x W x H:	65 x 31 x 22 mm
Cable length:	2 m
Current consumption:	approx. 2 mA
Operating conditions:	-40...+70 °C
Protection level:	IP65
RFI and ESD tested acc. to	EN 50082-1 EN 50082-2

Versions, included in delivery:

The sensor is integrated in a housing with two fixing holes.
3000-U38-00 with connection cable (2 m) for modules of type KIT
3000-U38-01 with connection cable (2 m) and plug for modules of type Box and 19“ rack mount unit

	19"	Box	KIT
Analogue Acceleration/Tilt Sensor	3000-U38-01		3000-U38-00

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Electronic Locking System

PROGRAM 3000



Analogue Temperature Sensor

This temperature sensor can be used for the measuring temperature of liquid and gaseous media. It can be connected to a Sensor Module 3000-U13-0x.

Technical data:	
Operating voltage:	+12V ±10%
Measuring range:	–50....150 °C
Error:	< 2%
Output at -50° C:	0.25 V
Output at 150° C:	4.75 V
Cable length:	2 m
Housing	Stainless steel
Diameter:	6 mm
Length:	50 mm

Versions, included in delivery:
The temperature sensor is mounted in a stainless steel housing.
3000-U39-00 with connection cable (2 m) for modules of type KIT
3000-U39-01 with connection cable (2 m) and plug for modules of type Box and 19“ rack mount units

	19"	Box	KIT
Analogue Temperature Sensor	3000-U39-01		3000-U39-00



Analogue Voltage Control Sensor

This sensor is used for monitoring and observation of mains voltage. It can be connected to a Sensor Module 3000-U13-0x.

Technical data:	
Measuring range:	100-240 V, 47-63 Hz AC
Output:	0 ... 5 V
Cable length:	3 m

Versions, included in delivery:
3000-U40-00 with connection cable (3 m) for modules of type KIT
3000-U40-01 with connection cable (3 m) and plug for modules of type Box and 19“ rack mount units

	19"	Box	KIT
Analogue Voltage control Sensor	3000-U40-01		3000-U40-00

Switched Socket Outlet

The Switched Socket Outlet is an electrical outlet unit with a relay contact that switches mains power on/off for devices plugged in. It is intended as an amplifier for relay contact outputs of Sensor Module 3000-U13-0x or Communication Module 3000-U14-0x.



Technical data:

Switching range:	170-240 V, 47-63 Hz AC
Switching current:	10 A
Cable length:	3 m

Versions, included in delivery:

3000-U41-00 with connection cable (3 m) for modules of type KIT
3000-U41-01 with connection cable (3 m) and plug for modules of type Box and 19“ rack mount units

	19"	Box	KIT
Switched Socket Outlet	3000-U41-01		3000-U41-00

Switched Socket Outlet with Voltage Control

The Switched Socket Outlet is an electrical outlet unit with a relay contact that switches mains power on/off for devices plugged in. It is intended as an amplifier for relay contact outputs of the Sensor Module 3000-U13-0x or the Communication Module 3000-U14-0x. The integrated voltage sensor monitors the mains voltage.



Technical data:

Switching range:	170-240 V, 47-63 Hz AC
Switching current:	10 A
Measuring range:	100-240 V, 47-63 Hz AC
Error : 5%	0 ... 5 V
Cable length:	3 m

Versions, included in delivery:

3000-U42-00 with connection cable (3 m) for modules of type KIT
3000-U42-01 with connection cable (3 m) and plug for modules of type Box and 19“ rack mount units

	19"	Box	KIT
Switched Socket Outlet Mains Observation	3000-U42-01		3000-U42-00

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Notes:

Current sensor 2 x 16 A

The current control sensor is usually used in the current distribution board of machine or data cabinets. The dimensions are 35 x 80 x 40 mm (W x H x D).
It is suitable for top hat rail mounting.
The sensor has 2 inputs of 0 ... 16 A AC via plug-in terminals 2,5 mm.
The connection to the Sensor Module 3000-U13-xx is performed via a RJ45 patch cable with adapter cable 3000-U37-x.
The power supply is 12 V DC, the analogue output signal is 0... 4 V DC.



Current sensor 2 x 16 A	
	3000-U36

Current sensor 32 A AC

Same as above, but with meathering range 1 x 0 ... 32 A AC via plug-in terminals 4 mm².



Current sensor 1 x 32 A	
	3000-U36-05

Voltage sensor 240 V AC

Sensor used to measure the supply voltage with meathering range 1 x 0 ... 240 V AC via plug-in terminals 4 mm².



Voltage sensor 240 V AC	
	3000-U31

Connection cable to Sensor Module

This cable is used to connect current and voltage sensors to modules of the type KIT or Box or 19” rack mount units.

Connection cable 0,5 m RJ45 socket / open wire ends for connection to modules of type KIT	
	3000-U37-0
Connection cable 0,5 m RJ45 socket / connector plug for Sensor Module for connection to modules of type Box or 19” rack mount unit	
	3000-U37-1

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Electronic Locking System

PROGRAM 3000

Accessories



Electrical Power Supplay 12 VDC 700 mA, stabilised

Versions, included in delivery:

3000-03-00 The connection cable (2 m) is intended for ELM kit modules.

3000-03-02 The connection cable (2 m) is equipped with a specified plug for box-type modules -02.

	19"	Box	KIT
Wall power supply stabilises 12 VDC 700 mA	-	3000-03-02	3000-03-00



CAN Bus Connection Cable

CAN Bus Connection Cables interconnect modules of the type KIT.

	19"	Box	KIT
CAN Bus Connection Cable 0.2 m	-	-	3000-U17-00
CAN Bus Connection Cable 3 m	-	-	3000-U18-00
CAN Bus Connection Cable 5 m	-	-	3000-U19-00



Null Modem Cable

This cable (2 m) is needed for initial configuration of the ELM-System.

	19"	Box	KIT
Null Modem Cable	3000-U29		3000-U29

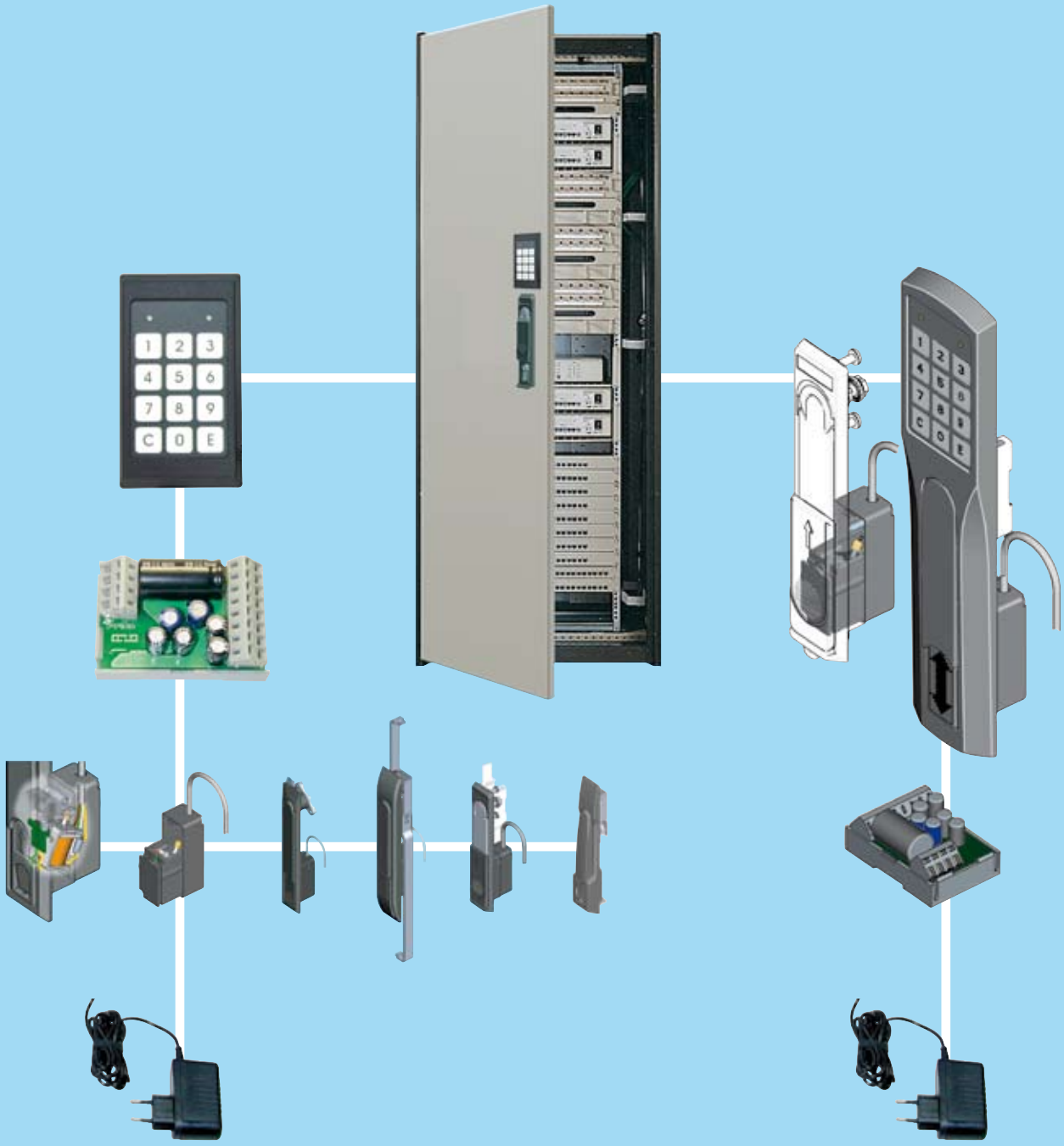


Patch Cable Crossover 2 x RJ45

The cable (2 m) is used for direct connection between PC and ELM System.

	19"	Box	KIT
Patch Cable Crossover 2 x RJ45	3000-U28		3000-U28

Electronic Locking-System Program 3000: Stand-Alone Solutions



The Stand-alone system is an economical electronic locking system for cabinets with up to two doors.
It is suitable for applications which do not require data networking or remote administration.

A handle is opened by entering an appropriate pin code via keypad. Five different pin codes are available per handle. The administration of the code numbers is carried out directly at the keypad and requires authorisation via special master code number.

The Stand-Alone system consists of a Keypad Module for entering pin codes and a Control Module. The Control Module provides the necessary electrical energy to open the handles. Keypad Module and handles are available both as individual components and as a set.

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Electronic Locking System

PROGRAM 3000

Stand-Alone Version







Electronic Keypad

Description:
The corresponding handle mechanism will be activated by entering the respective code on the keypad. The keypad is programmable for a maximum of two doors. More user codes can be added for each door. With a changeable master code, the user codes can be easily entered.
By assigning the user codes, master key systems and group key systems can be set up.

Application:
The electronic keypad system is suitable for small stand-alone solutions, which do not require to network ability.
The system is particularly suited for controlling a cabinet with up to two doors by means of a single keypad.

Function:
After programming the codes the user can unlock a swing handle by entering a valid access code. Now the door can be opened.

Components of the delivery set:
- Electronic Keypad with connection cable (4 m)
- Electronic unit with connection terminals for up to two electromechanical Locking System Units and the Electronic Keypad
- One or two Locking System Units with connection cable (4 m); for installation into springloaded handle systems
- Fixing material
- Instruction manual

Note:
Stabilised power supply unit 12 V minimum 300 mA is required
(see page 11B-160).

Technical Data

– Protection Class	IP 40
– Temperature Range	0-60 °C

Program 1150 | Program 1180 | Program 2100 | Program 2400









	19"	Box	KIT
Electronic Keypad with 1 Locking System Module	-	-	3000-U01-00
Electronic Keypad with 2 Locking System Module	-	-	3000-U02-00

Further parts see page

Program 1150
– Swing handle 1151 3C-420
3C-440

PROGRAM 1180
– Swing handle 3E-120
up to 3E-520

Program 2100
– Swing handle 3H-320

Program 2400
– Swing handle 3K-220

– Power supply 11B-160

Electronic Locking System

PROGRAM 3000

Stand-Alone Version

Combination Handle Unit with Integrated Keypad

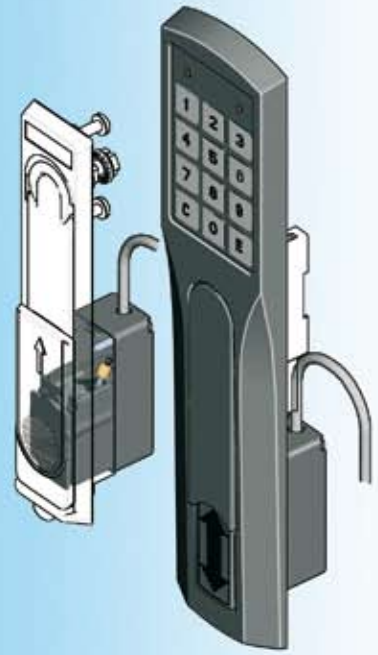
Integration of the keypad into the handle escutcheon eliminates the need for the installation of a seperate keypad and moulded housing.

Description:
The corresponding handle mechanism will be activated upon entering the respective code on the keypad. The keypad is programmable for a maximum of two doors. More user codes can be added for each door as required. With the changeable master code, the user codes can easily be entered.
By assigning user codes, master key systems and group key systems can be set up.

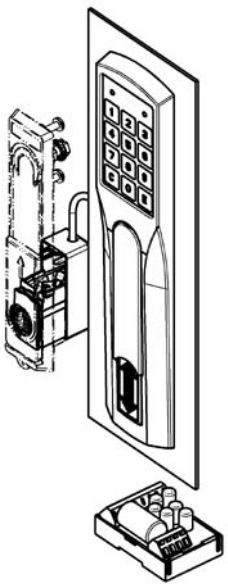
Application:
The electronic keypad system is suitable for small stand-alone solutions, which do not require network ability.
The system is particularly suited for controlling a cabinet with up to two doors by means of a single keypad.

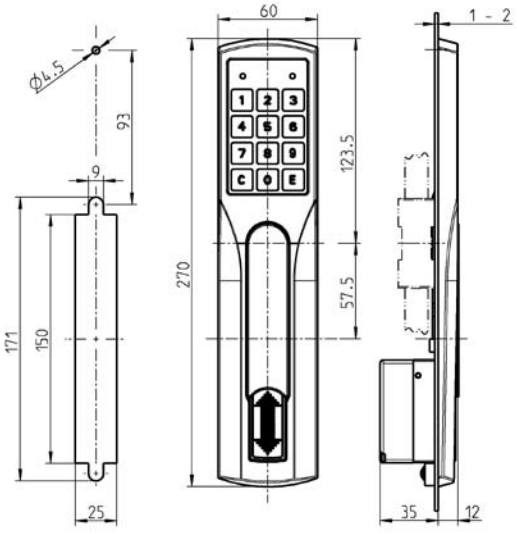
Function:
After programming the codes, the user can unlock a swing handle by entering a valid access code. Now the door can be opened.

Components included in delivery:
- Swing Handle GD Zn black, moulded polyamide GF black; fixing material St zinc-galvanized
- Electronic Keypad with connection cable (4 m)
- Electronic unit with connection terminals for up to two electromechanical Locking System Units and the Keypad
- One built-in Locking System Unit for spring-loaded handle systems; with connection cable (4 m)
- Instruction manual









Cut out

Technical Data
– Protection Class IP 40
– Temperature Range 0-60 °C

Note:
Stabilized power supply unit 12 V minimum 300 mA is required (see page 11B-160).

Further parts see page
– Power supply 11B-160
– Rod control 3YA-520
3YA-540

For the second solenoid
Program 1150
– Swinghandle 1151 3C-420
3C-440

Program 1180
– Swinghandle 3E-120
up to 3E-320

Program 2100
– Swinghandle 3H-320

Program 2400
– Swinghandle 3K-220

	19"	Box	KIT
Combination Handle Unit complete with Locking Module installed	-	-	**2100-U151-00**
Combination Handle Unit complete plus 1 LSM* for 2nd handle	-	-	**2100-U152-00**

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Electronic Locking System

PROGRAM 3000

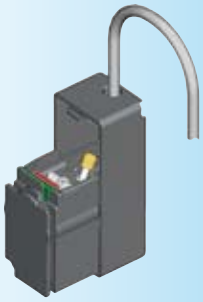
Stand-Alone Version



Electrical Power Supply 12 VDC 700 mA, stabilised

Version:
3000-03-00 The connection cable (2 m) is intended for single wire connections.

	19"	Box	KIT
Wall power supply stabilises 12 VDC 700 mA	-	-	**3000-03-00**



Locking System Unit

The Locking System Unit is installed into spring-loaded handles.
It is equipped with a connection cable (4 m).
The unit is controlled by means of the Standard Control Module 3000-U7-00.

	19"	Box	KIT
Locking System Unit	-	-	**3000-U05-00**



Control module for handles with solenoid unit

The control module controls solenoid units for spring-loaded handles.
It has a voltage regulator and generates current pulses to release the handles.
Max. 2 Locking System Units and max. 2 release buttons.
A stabilised wall power supply 12 VDC min. 500 mA is required.

	19"	Box	KIT
Standard Control Module	-	-	**3000-U07-00**

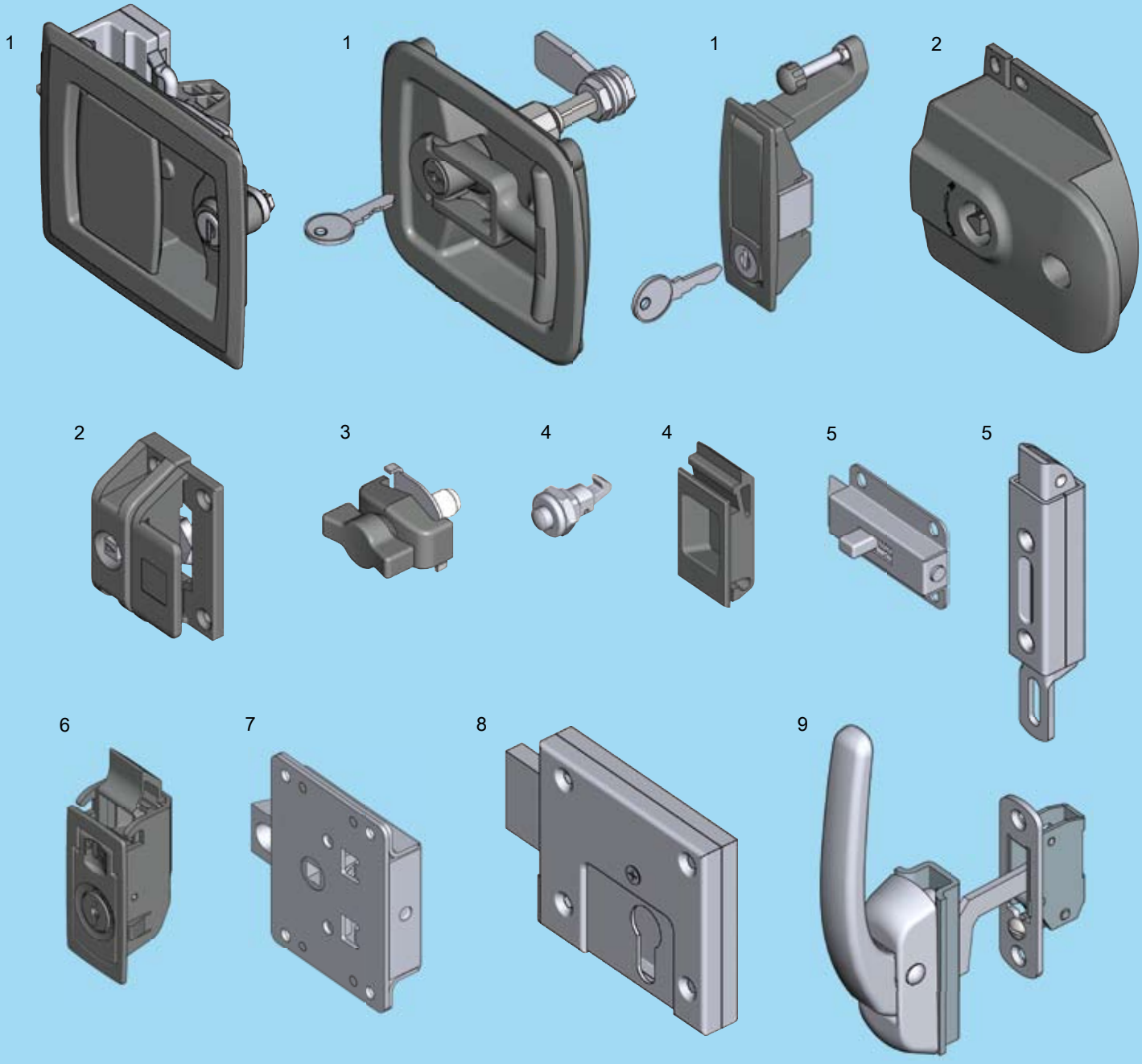


Control module for single point latches and handles 1150-U56/U58

Control module to control single point latches or handles of the type 1150-U56/U58. The module releases the latches or handles for a time period programmable in the Stand-Alone Keypad.
Max. 2 latches or handles and max. 2 release buttons.
A stabilised power supply 12 V DC min. 700 mA is required.

	19"	Box	KIT
Standard Control Module	-	-	**3000-U07-01**

Locks/Latches
Lock, retractable handle, dead-bolt lock, slam-lock, snap lock, bridge clamp



1	Retractable handle	12A-120 to 12A-160
2	Door lock	12A-220 to 12A-240
3	Bridge clamp system	12A-620
4	Snap lock	12A-240, 12A-420
5	Slam-lock	12A-320, 12A-340
6	Side panel latch	12A-440
7	Slam-lock	12A-320
8	Dead-bolt lock	12A-520
9	Heavy duty latch	12A-820

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Retractable handle

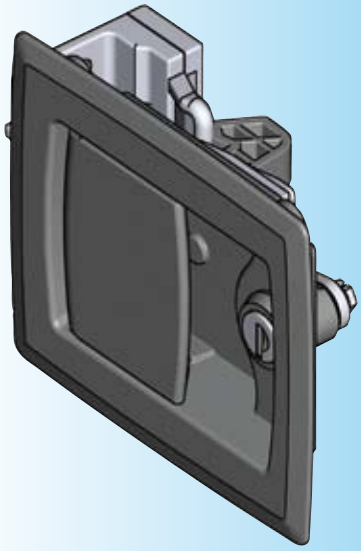
PROGRAM 1130

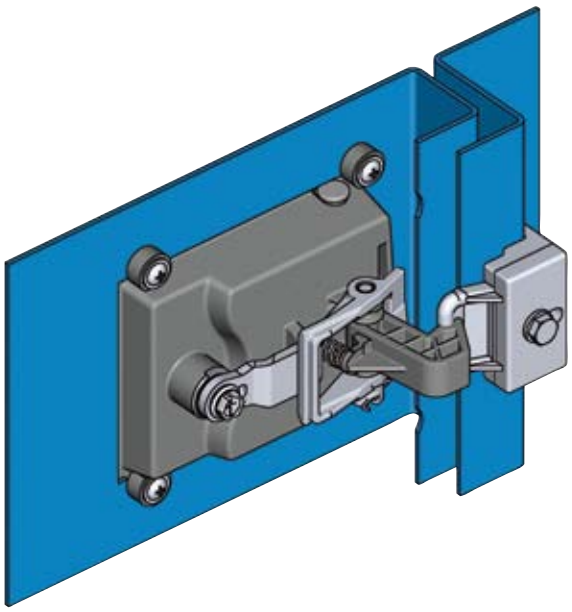




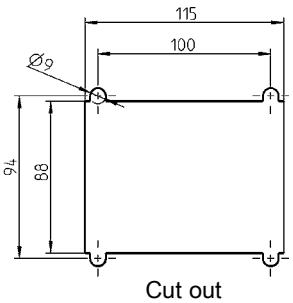




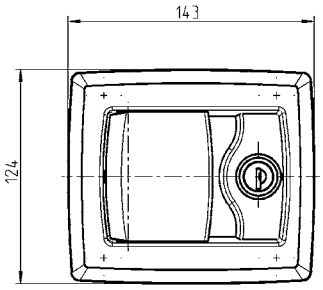



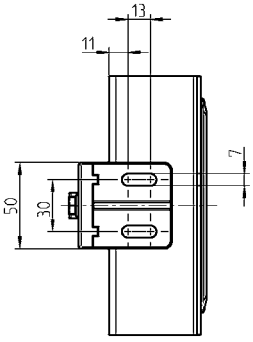


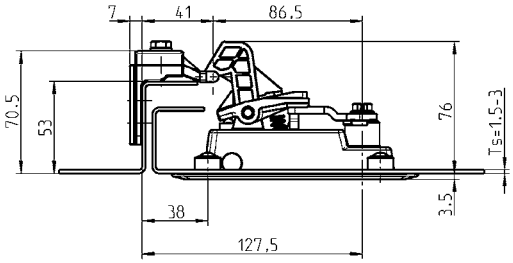




Cut out







Note:
The Version 1130-U1 and -U2 are made for RH use by default.

Version for LH use is created by removal of the round cylinder rotating 180° and refitting.

Function:
The spring-loaded locking hook is equipped with a “door-slam” effect. Thereby door can also be closed when locked.

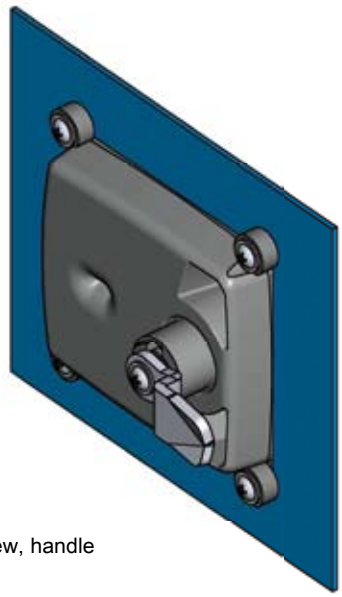
Hinged pattern handle polyamide GF black, compensator and lock catch zinc die zinc pl., round cylinder zinc die with stainless steel cap and dust cap, springs stainless steel, cam and fastening material m.s. zinc pl., with seal Each round cylinder has one silver steel key with polyamide grip GF black.

keyed EK 333	1130-U1
keyed different	1130-U2

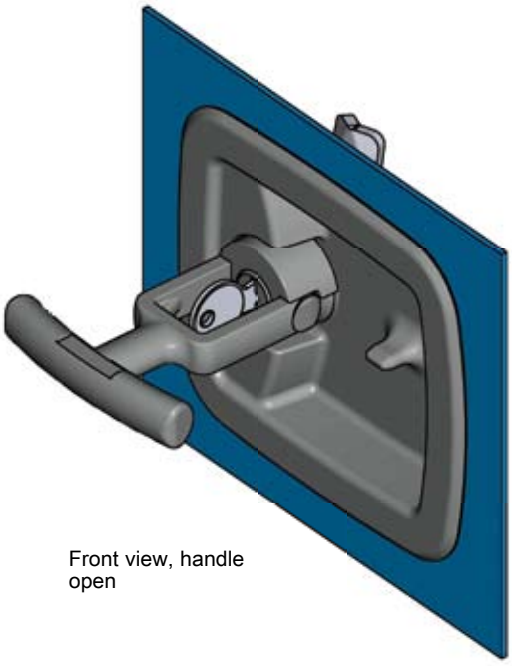
Further parts see page
– Spare key 12B-140

Retractable T-Handle

PROGRAM 1130



Rear view, handle closed



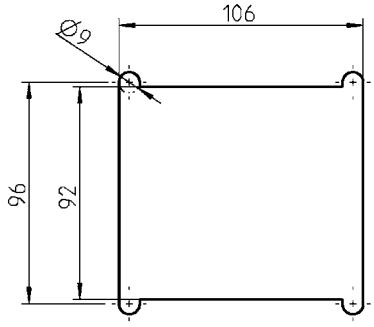
Front view, handle open



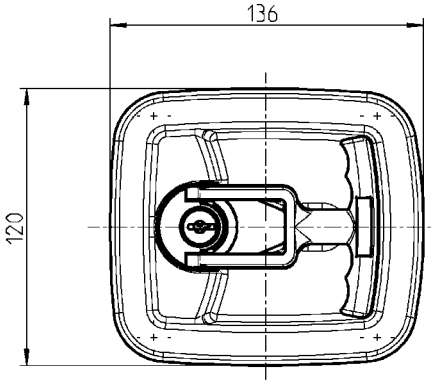
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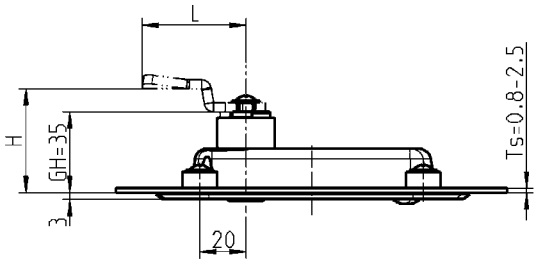
By pressing in the T-Handle into the dish, a clamping effect is achieved.





Cut out





Recess T-handle polyamide GF black, fastening material m.s. zinc pl., with seal. Each round cylinder has one key m.s. nickel plated

keyed EK 333	1130-U3
keyed different	1130-U4

Further parts see page

– Cam (GH=36) 1C-120
Attention: When selecting this cam the H-dimension is reduced by 1 mm.

– Spare key 12B-140

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®Retractable T-Handle with compression function with adjustable cams

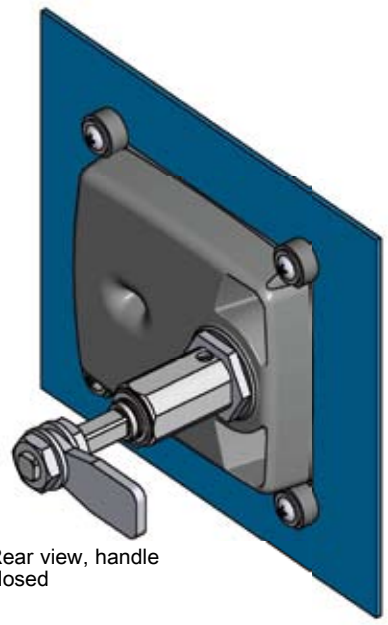
PROGRAM 1130



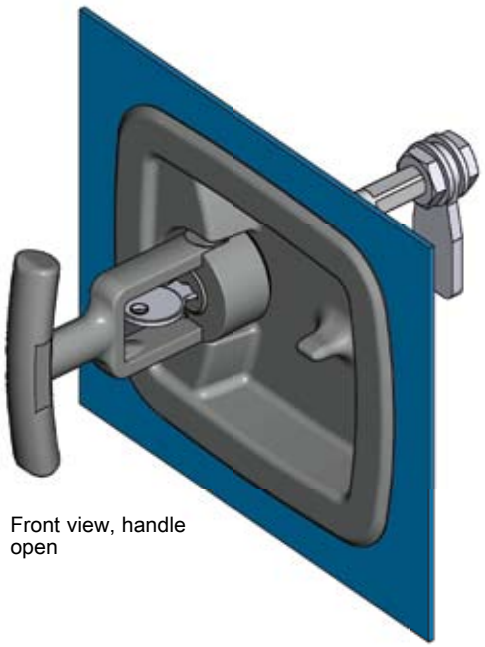




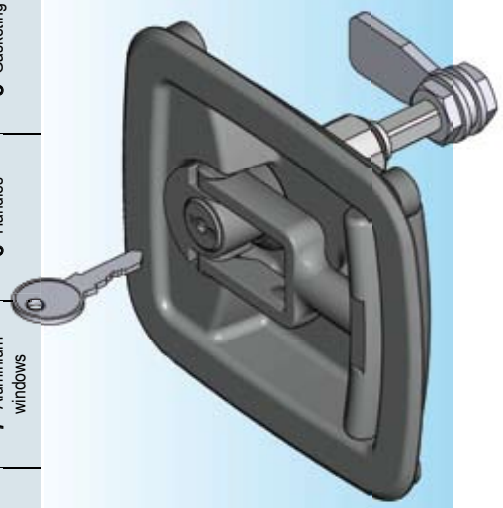




Rear view, handle closed



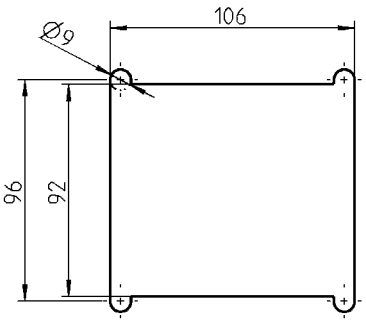
Front view, handle open



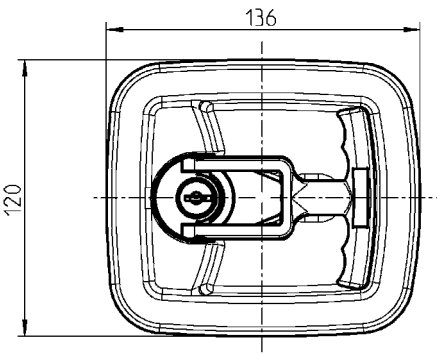
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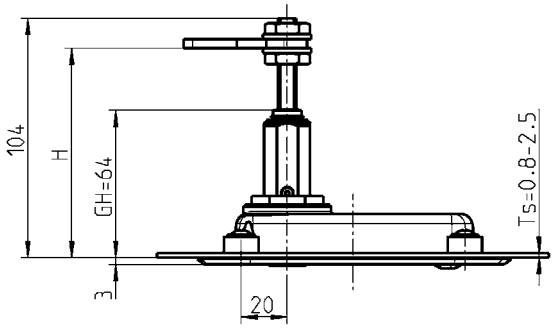
By pressing in the T-handle into the dish, a clamping effect is achieved.





Cut out





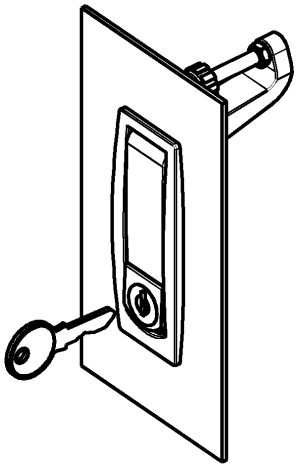
Further parts see page

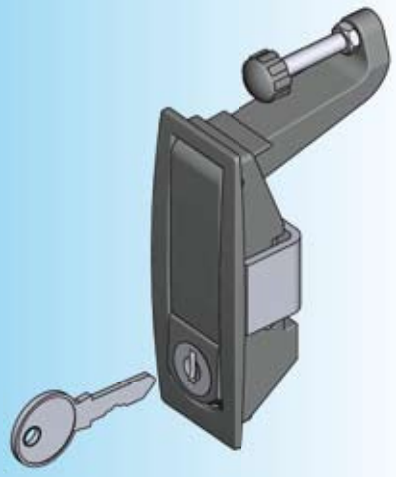
– Cam (GH=64)	1C-137
– Spare key	12B-140

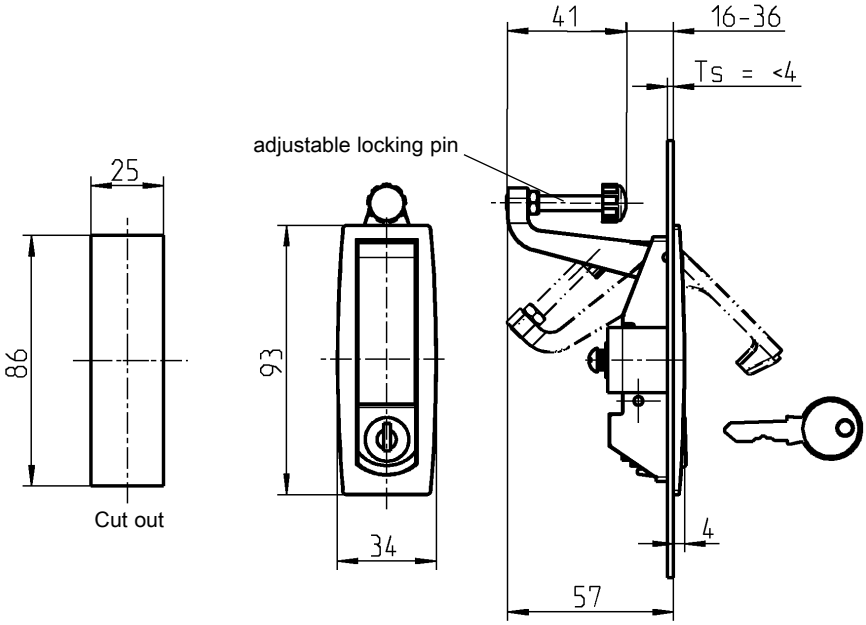
Recess T-Handle polyamide GF black, housing zinc die, fixing material m.s. zinc plated, with seal. Each round cylinder has one key m.s. nickel plated.	
keyed EK 333	1130-U10
keyed different	1130-U11

Retractable T-Handle

PROGRAM 1130







Recess T-handle zinc die black powder coated, locking pin m.s. zinc plated / TPE-V, fixing material m.s. zinc plated. Each round cylinder has one key m.s. nickel plated.	
keyed EK 333	1130-U8
keyed different	1130-U8-V
Blank	1130-U9

Further parts see page
– Spare key 12B-140

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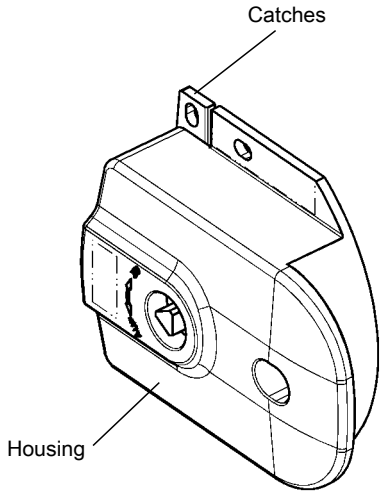
Beschlagteile

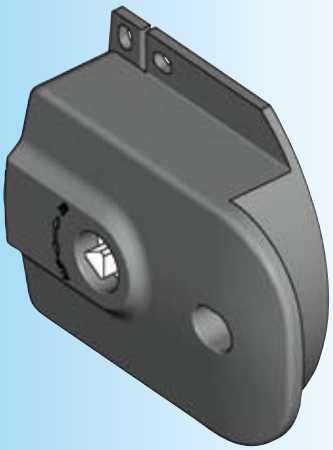
Notes:

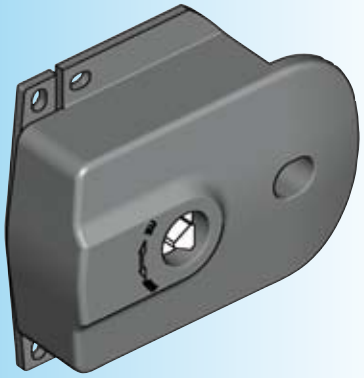
Surface mounted door lock

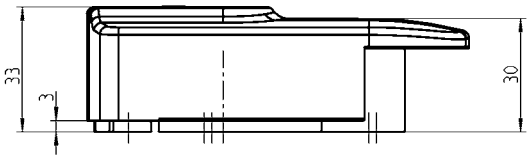
PROGRAM 1000

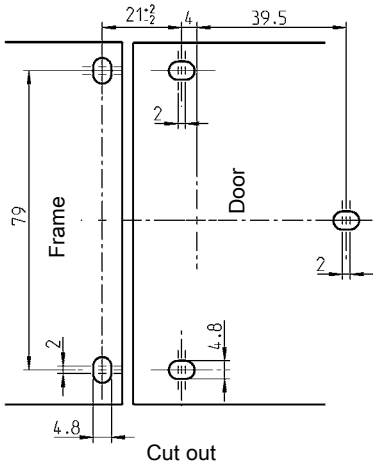
EMKA Beschlagteile

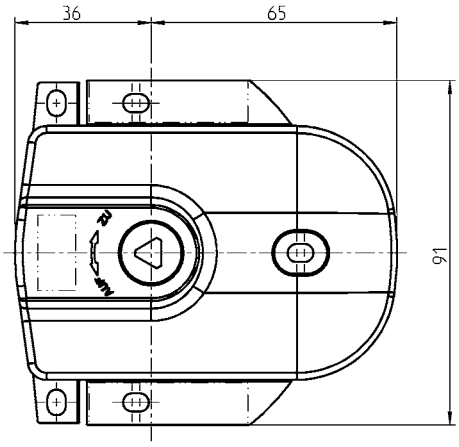












Attention:
Insert not included

Suitable lockable or non lockable T-handles and L-handles on request!

Further parts see page

– Insert	1B-140
– Key	12B-120

Housing and lock zinc die black p.c., stepped cam zinc die raw	
for insert	1000-U778

EMKA®

Beschlagteile

Surface mounted door lock

PROGRAM 1000

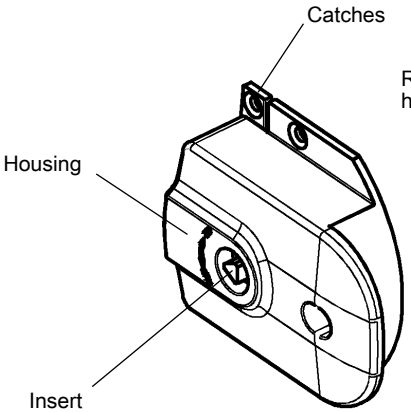


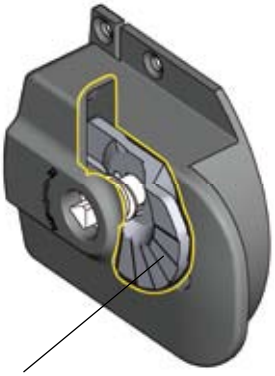


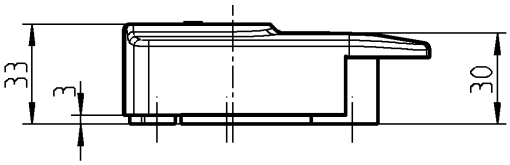


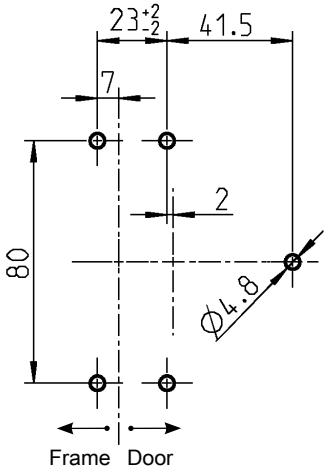


Catches

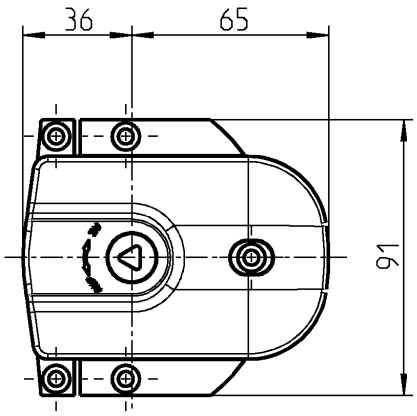








Cut out



Attention:
Insert not included

Catch to be ordered separately

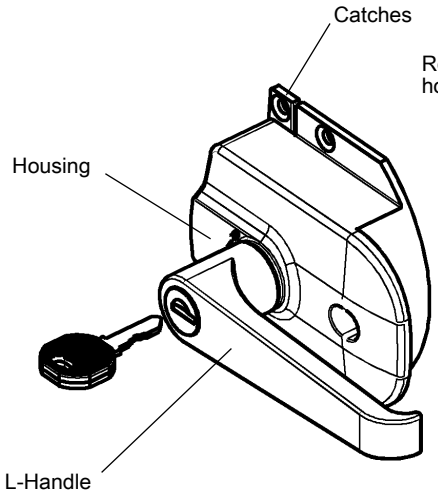
Further parts see page

– Door lock with inner handle or Pressure relief	10A-940 10A-920
– Insert	1B-140
– Key	12B-120

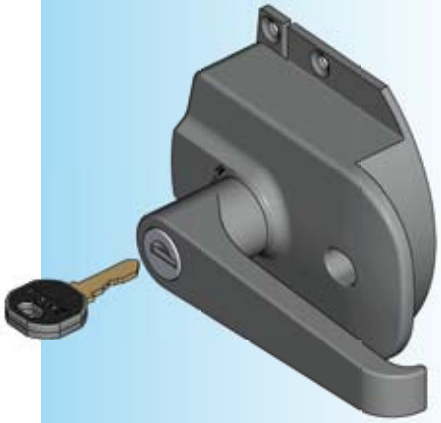
Surface mounted door lock black powder coated zinc die, stepped cam zinc die	
without insert	1000-U779
Catch zinc die black powder coated	
	1000-488

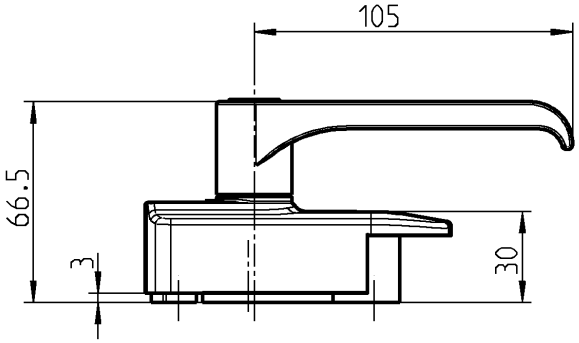
Surface mounted door lock

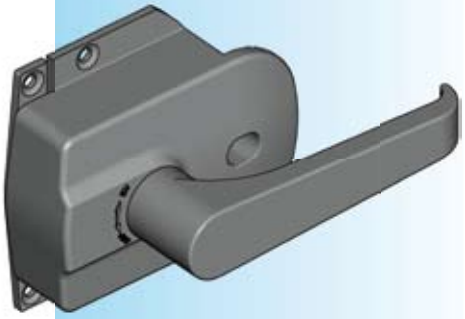
PROGRAM 1000

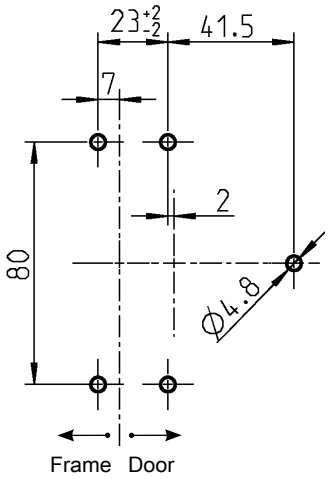




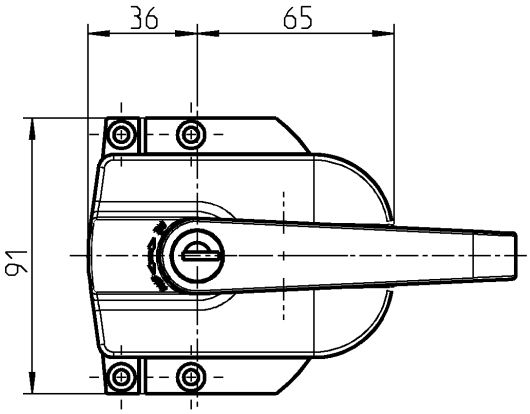








Cut out





Catches

Catch to be ordered separately

90° locking stroke with lockable handles

Housing and catch with long slots on request!

Surface mounted door lock black powder coated zinc die, L-Handle polyamide GF black, stepped cam zinc die, screw zinc plated m.s.	
non locking	1000-U780
Surface mounted door lock zinc die black powder coated, L-Handle polyamide GF black, cam and screw m.s. zinc plated, round cylinder zinc die with stainless steel cap and dust cap Each round cylinder has one silver steel key with polyamide grip GF black.	
keyed EK 333	1000-U781
keyed different	1000-U781-V
Catch zinc die black powder coated	
	1000-488

Further parts see page

– Door lock with inner handle or	10A-940
Pressure relief	10A-920
– Spare key	12B-140

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Cam and snaplock

PROGRAM 1000

RL

IP 65

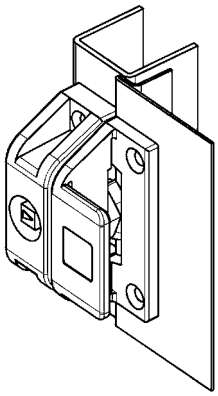


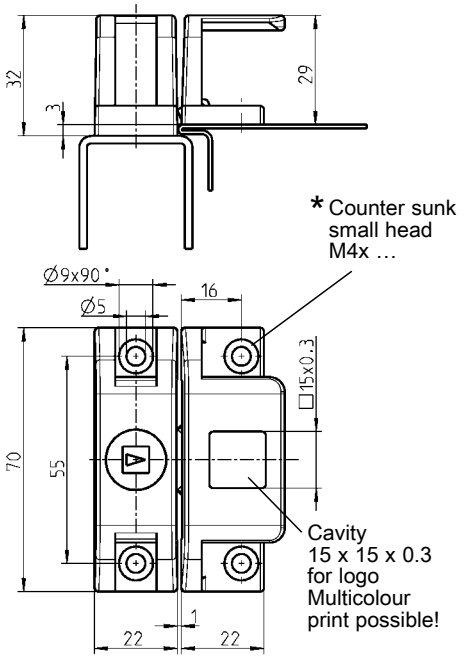
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

* not included

Further parts see page
– Key 12B-120

Cam lock



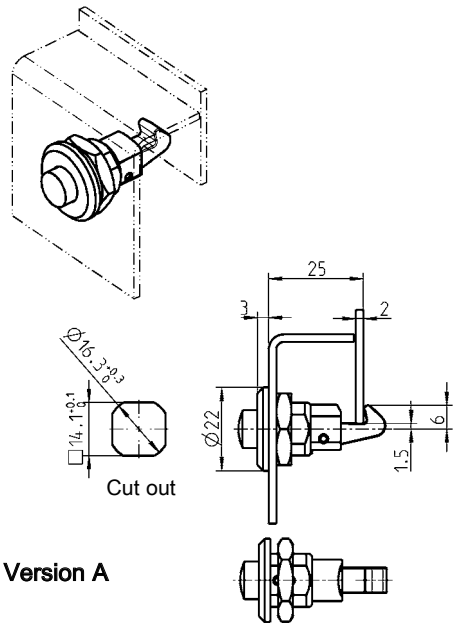


Cam lock polyamide black, insert zinc die chrome pl. cam, screw and wave washer m.s. zinc pl.			
Square 7	1076-U5	Double bit 3	1076-U9
Square 8	1076-U6	Double bit 5	1076-U10
Triangular 7	1076-U7	Hexagon female SW 10	1076-U11
Triangular 8	1076-U8	Slot 2 x 4	1076-U12

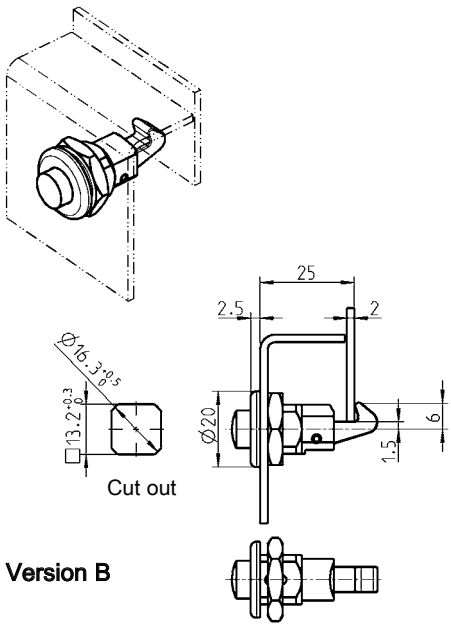
Snap lock
with and without seal







Version A



Version B

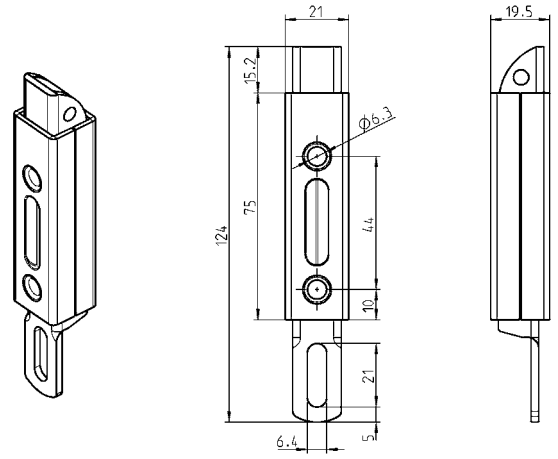
Snap lock zinc die chrome plated, without or with seal			
Version A		**Version B**	
without seal	1047-U3	without seal	1047-U2
with seal IP 65	1047-U5	with seal IP 65	1047-U4

with seal IP 65

Slam-lock

PROGRAM 1034, 1085

Slam-lock



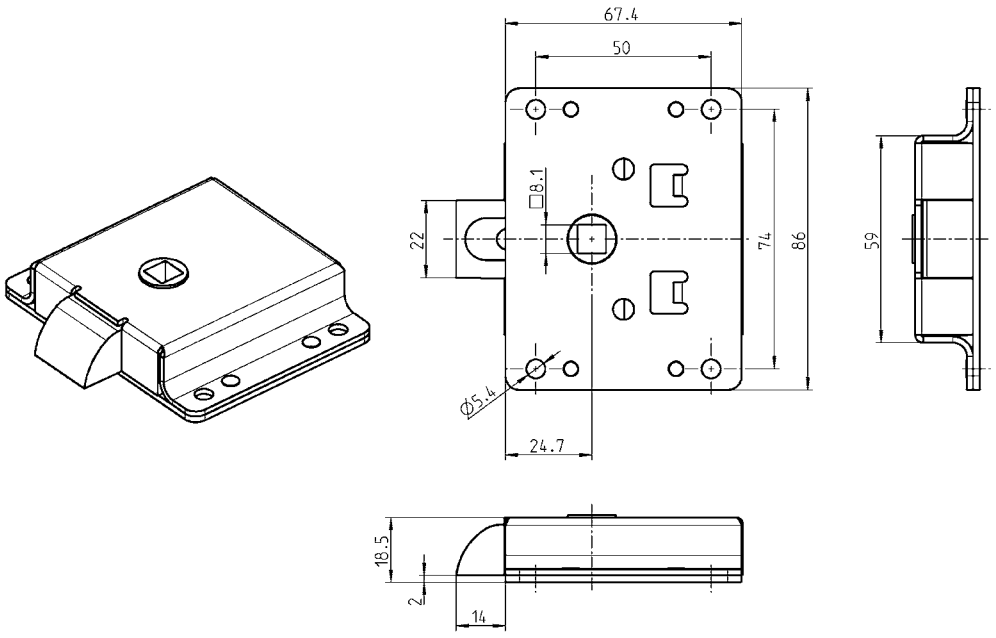


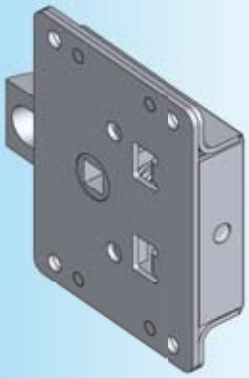
Rod connection can be bent for hand-operation on request

Slam-lock m.s. zinc plated

1085-U1

Slam-lock





Slam-lock m.s. zinc plated, lock and nut zinc die raw, spring m.s. polyamide

1034-U1

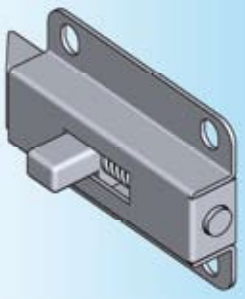
Further parts see page
– Lock support and insert 1C-340

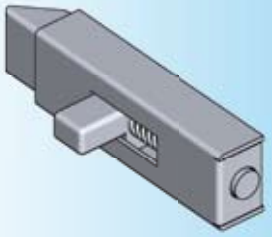
EMKA®

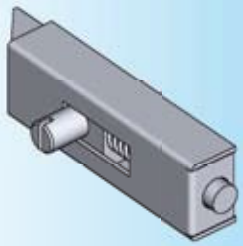
Beschlagteile

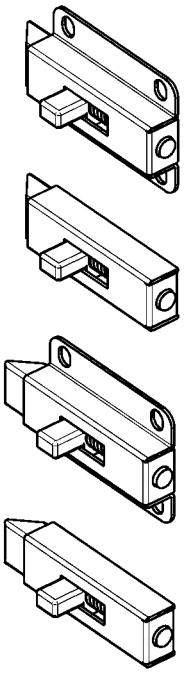
Slam-lock

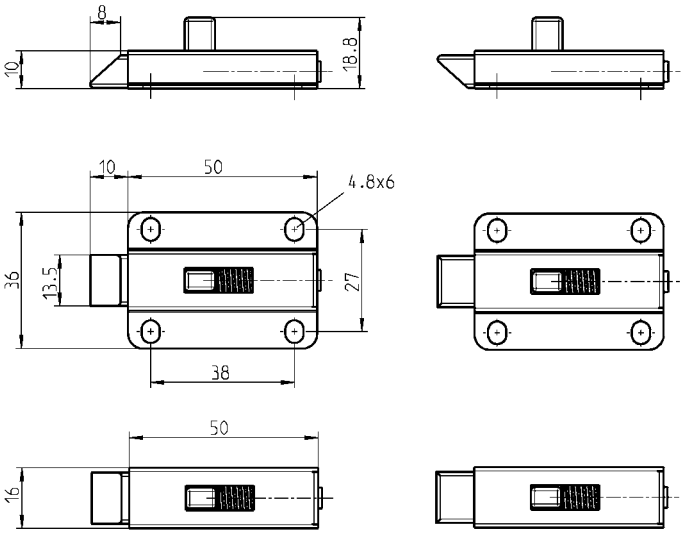
PROGRAM 1053



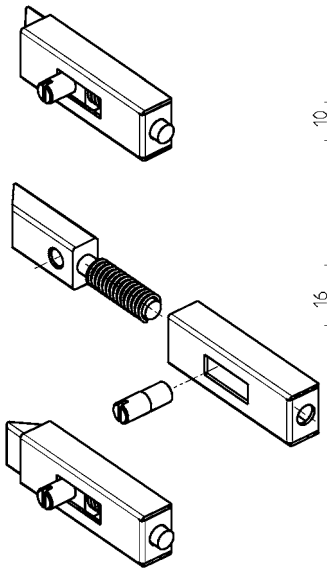


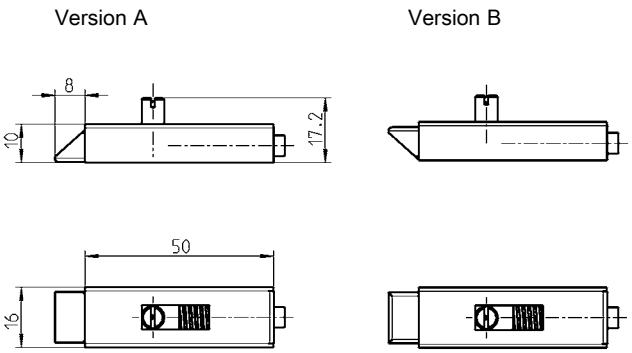






Slam-lock m.s. zinc plated resp. m.s. raw, locking bolt zinc die zinc plated		
	Version A	Version B
screw-on m.s. zinc plated	1053-U1	1053-U2
weld-on m.s. raw	1053-U3	1053-U4



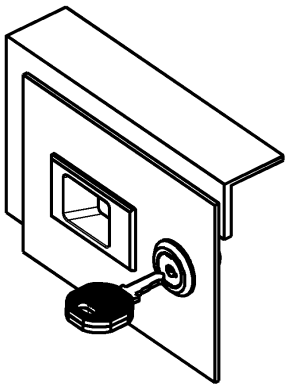


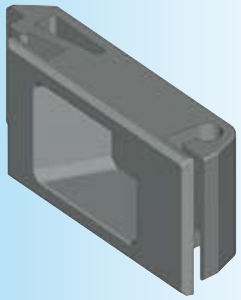
Customer can unassemble for welding on

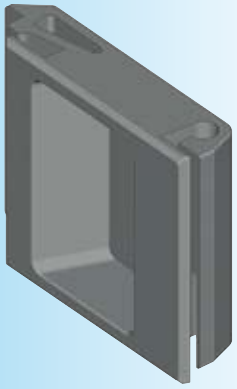
Slam-lock m.s. raw, locking bolt zinc die zinc plated		
	Version A	Version B
weld-on	1053-U5	1053-U6

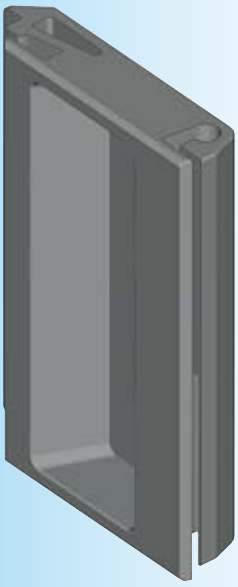
Slide latch, snap-in installation

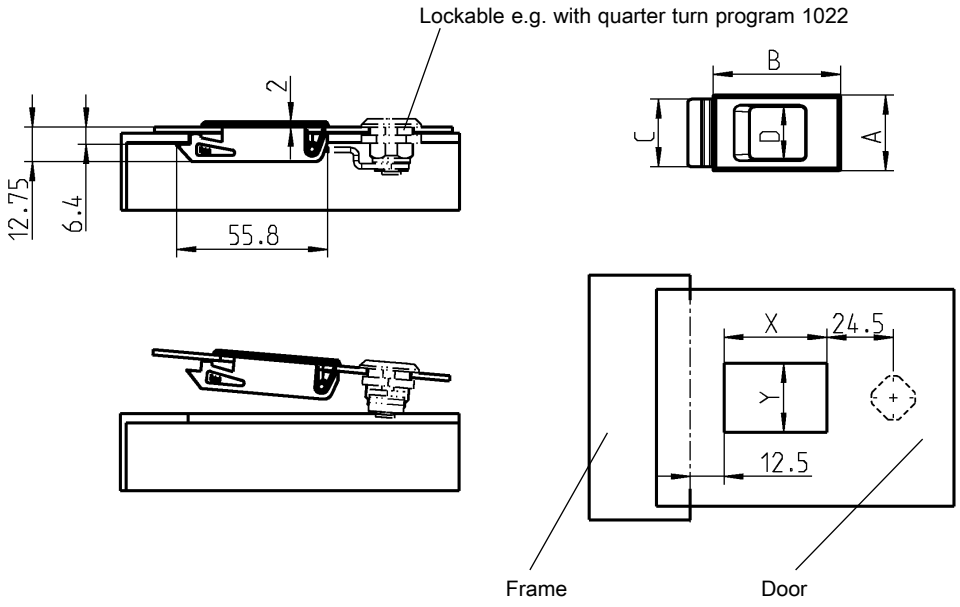
PROGRAM 1091











Slide latch Polyamide black with spring m.s. zinc plated							
Size		Ts = 1,2 – 1,6			Ts = 1,75 – 2,2		
1		1091-U114-01			1091-U114		
2		1091-U115-01			1091-U115		
3		on request			1091-U116		
Dim.	**A**	**B**	**C**	**D**	**Door cut out**	**X**	**Y**
1	28	47	25	20	1	38	25,5
2	47	47	44	39,5	2	38	44,5
3	86	47	83	78,5	3	38	83,5

Fit for door gauge 1,2 up to 2,2 mm.

Further parts see page
– Quarter turn 1A-120 up to 1A-160

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Side panel latch

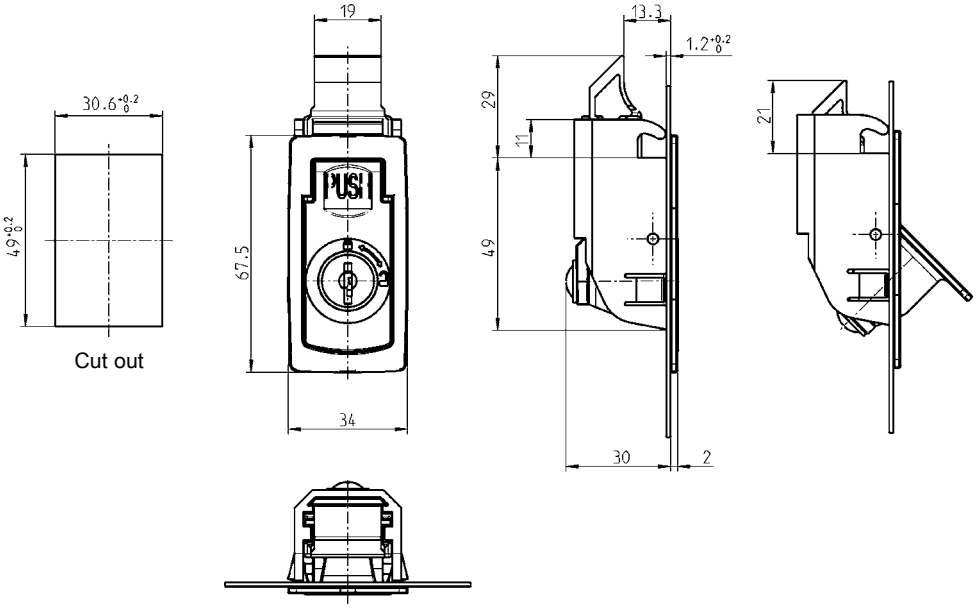
PROGRAM 1091







open condition





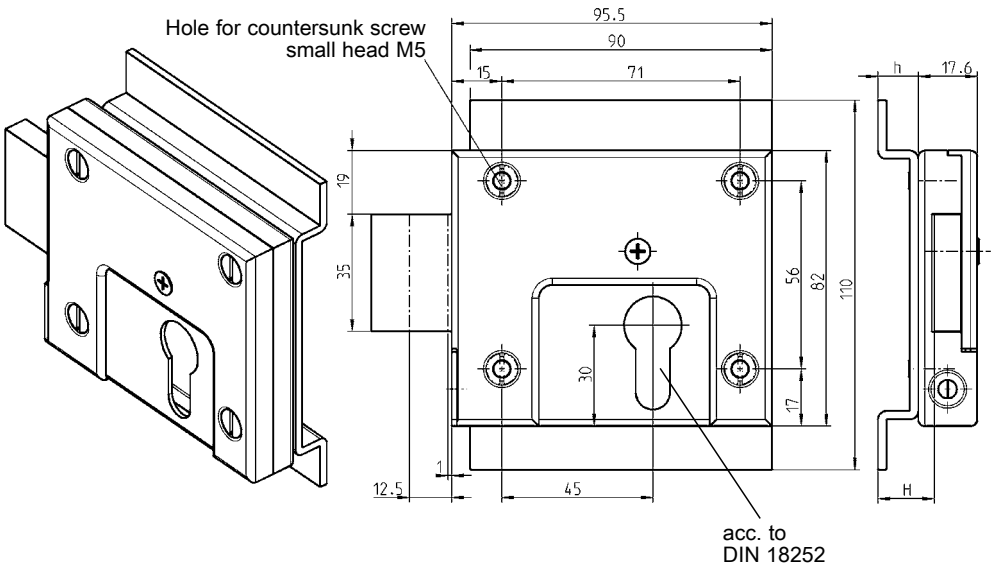
Further parts see page
– Spare key 12B-140

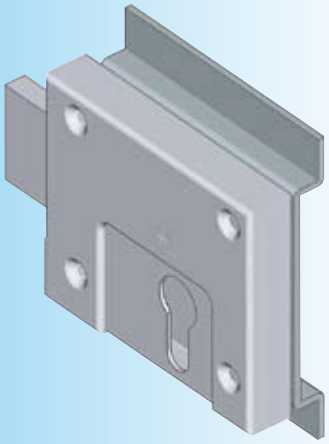
Side panel latch polyamide GF black, screw m.s. zinc plated Each cylinder has one silver steel key with polyamide GF grip black. Key removable in both positions	
keyed EK 333	1091-U143
keyed different	1091-U143-01V
Blank	1091-U143-02

Dead-bolt lock

PROGRAM 1080

Dead-bolt lock



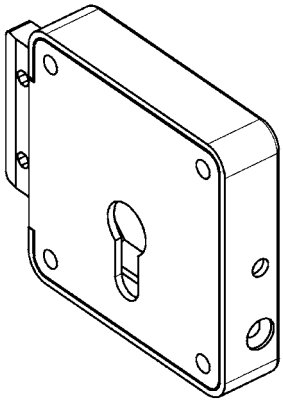


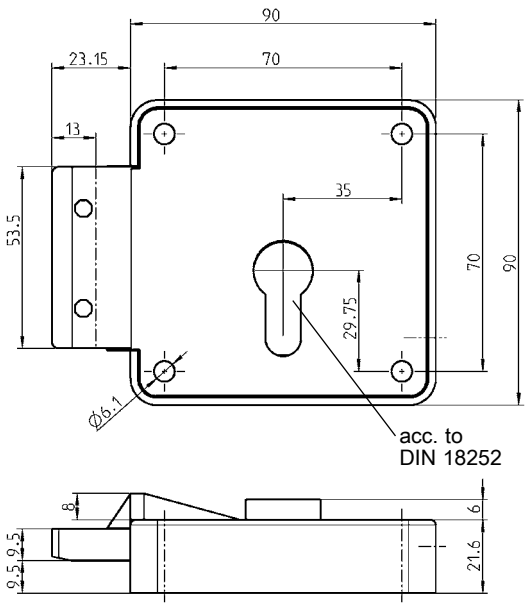
Dead-bolt lock for both LH/RH

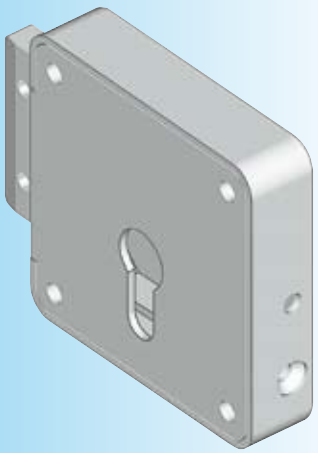
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Dead-bolt lock m.s. zinc plated			
			1080-U1
Lock support m.s. raw			
H	**h**	**Profile cylinder length**	
16,5	12	40	1080-01
26,5	22	50	1080-02

Dead-bolt lock in plastic







Plastic dead-bolt lock, housing in polycarbonate, grey, cam in acetyl-resin, grey spring POM, grey	
	1080-U2

Further parts see page

– Profile half cylinder	2B-220
– Escutcheon	12D-120

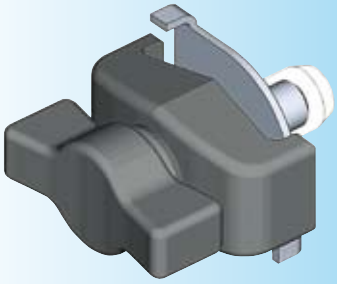
EMKA®

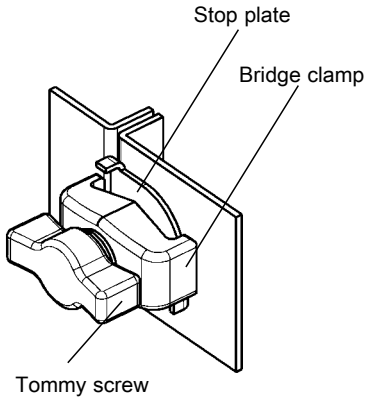
Beschlagteile

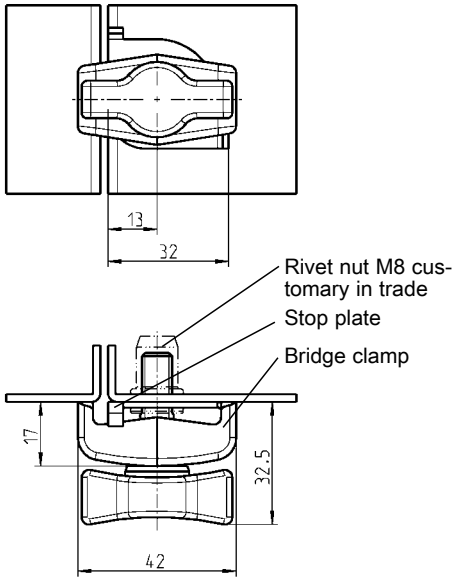
Bridge clamp system

PROGRAM 1076

Bridge clamp system

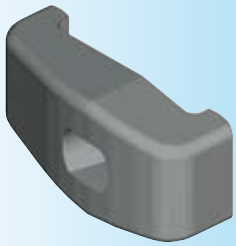


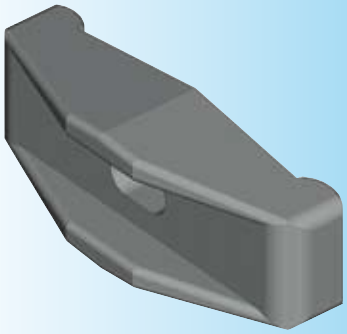




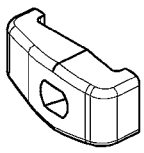
Bridge clamp system consisting of:	
Bridge clamp polyamide black	1076-14
Tommy screw m.s. zinc pl./polyamide black	1076-15
Stop bracket m.s. zinc. pl.	1076-16
Captive with:	
O-ring	1076-25

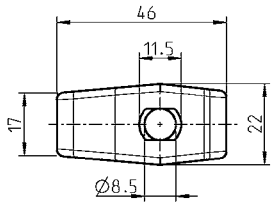
Bridge clamp

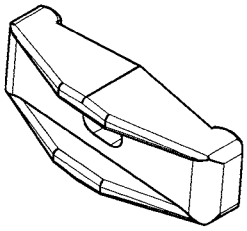


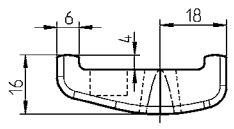


Version A

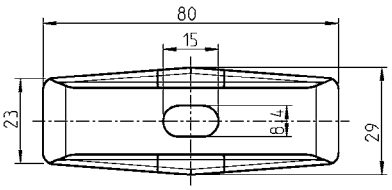


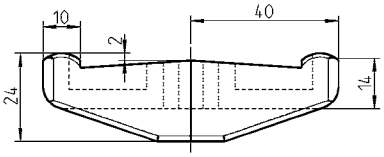






Version B



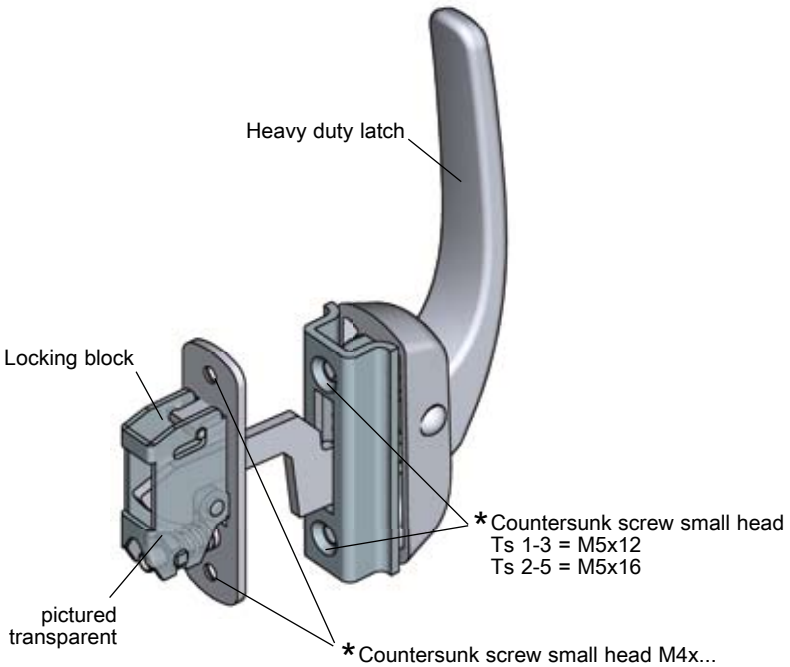


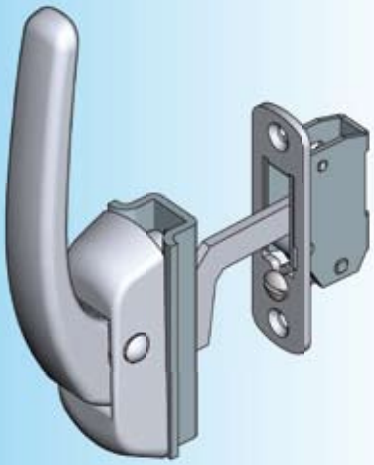
Bridge clamp polyamide black		
	Version A	Version B
	1076-19	1076-20

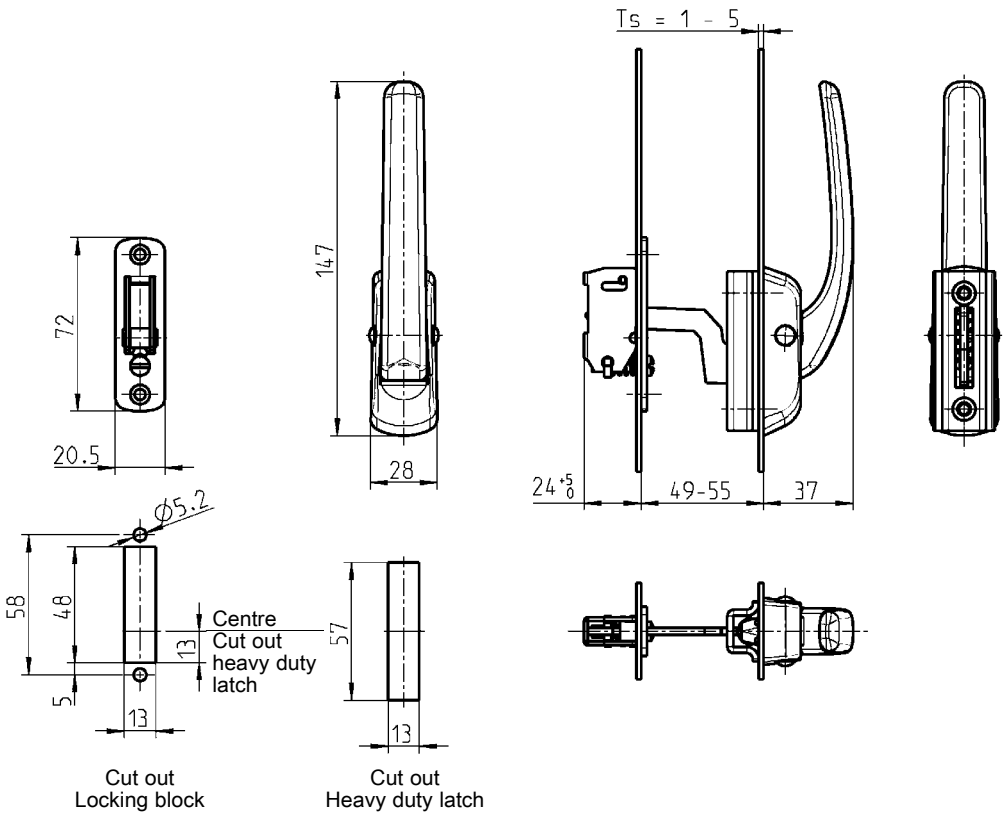
Heavy duty latch
with adjustable locking block

PROGRAM 2074









* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Heavy duty latch zinc die chrome plated, cam AISI 304 chrome plated, fastening bracket and spring setting AISI 304, with spring	
	2074-U372-137IK
Locking block AISI 304 chrome plated, U-frame and adjusting screw AISI 304, roller and setscrew AISI 303, with spring	
	2074-U372-156IK

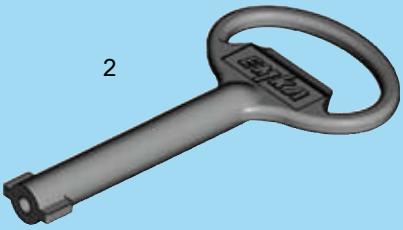
EMKA®

Beschlagteile

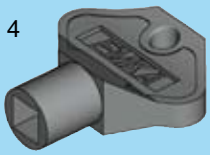
Notes:

Key
Program 1004, 1108

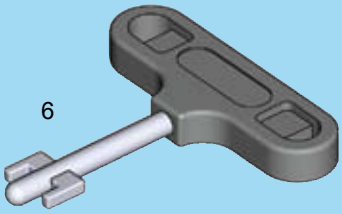


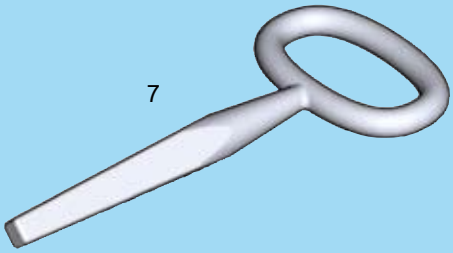


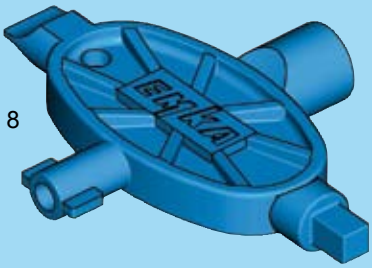


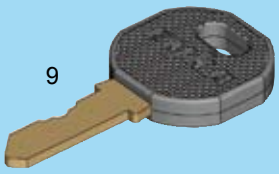












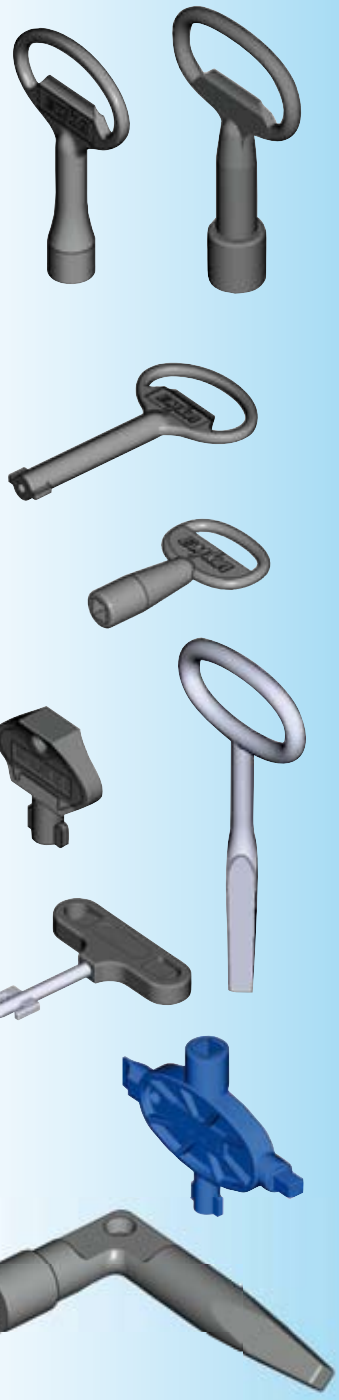
1	Key, large e.g. square	12B-120
2	Key double bit large	12B-120
3	Key, small e.g. square	12B-120
4	Key, small e.g. square	12B-120
5	Key double bit small	12B-120
6	Key FIAT	12B-120
7	Key square male 6,5 – 8,5	12B-120
8	Key universal	12B-120
9	EMKA-key example keyed EK 333	12B-140

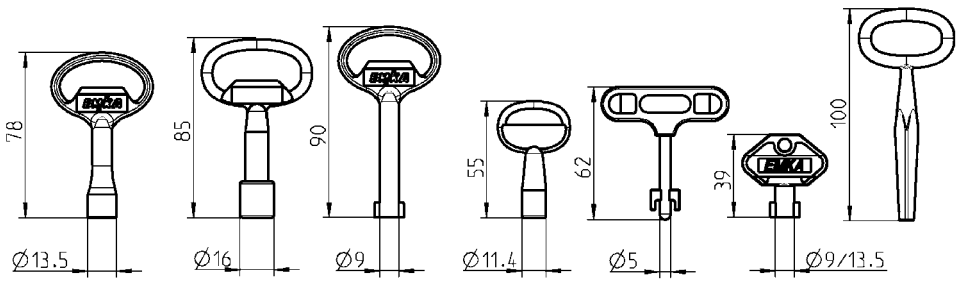
EMKA®

Beschlagteile

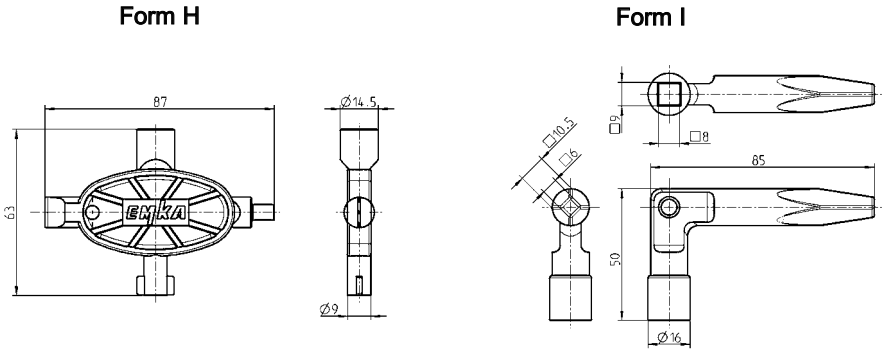
Key

PROGRAM 1004





Zinc die black | Zinc die black | Zinc die black | Zinc die black | Zinc die/ polyamide black | Polyamide black | GTW nickel



Keys can be supplied on request with customer logo

Minimum quantity: Form A, B, C, D 2,000 pieces

Minimum quantity: Form E, F, H 5.000 pieces

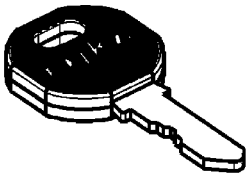
Key-Form	A	B	C	D	E	F	G
Square 6	1004-18	–	–	1004-20	–	1004-37	–
Square 7	1004-01	–	–	–	–	1004-36	–
Square 8	1004-02	–	–	–	–	1004-35	–
Triangular 6,5	–	–	–	1004-21	–	–	–
Triangular 6,5 CNOMO	1004-26	–	–	–	–	–	–
Triangular 7	1004-03	–	–	–	–	1004-39	–
Triangular 8	1004-04	–	–	–	–	1004-38	–
Triangular 10	–	1004-24	–	–	–	–	–
Crown type	–	1004-31	–	–	–	–	–
Eastern Europe Ø13 half round	–	1004-42	–	–	–	–	–
Double bit 3	–	–	1004-05	–	–	1004-34	–
Double bit 5	–	–	1004-06	–	–	1004-33	–
Daimler Benz	1004-17	–	–	–	–	–	–
FIAT	–	–	–	–	1004-41	–	–
Square male 6	1004-29	–	–	–	–	–	–
Square male 8	1004-30	–	–	–	–	–	–
Square male 6 – 9,5	–	–	–	–	–	–	1004-19
Hexagon head 8 with boring	1004-49	–	–	–	–	–	–
Tube	–	–	–	1004-51	–	–	–
Form H, universal-key polyamide blue							
Square male 6, Square 8, Double bit 5 and Slot insert							1004-48
Form I, railway version, zinc die black							
Square 8 - 9, square male 6 - 10,5							1004-52

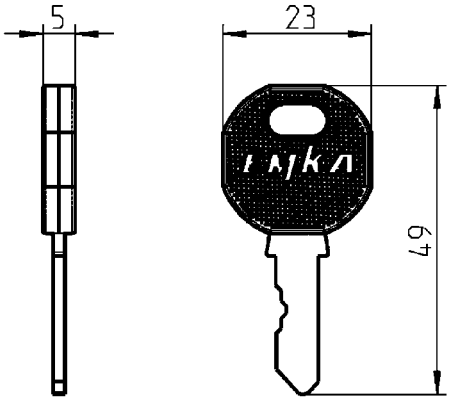
Attention:
Keys of form A, B, C, E, F, G and I not siutable for program 1022

Stainless steel key on request

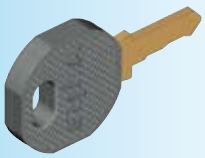
EMKA-key

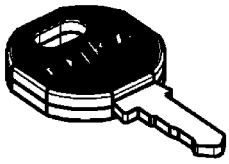
PROGRAM 1108

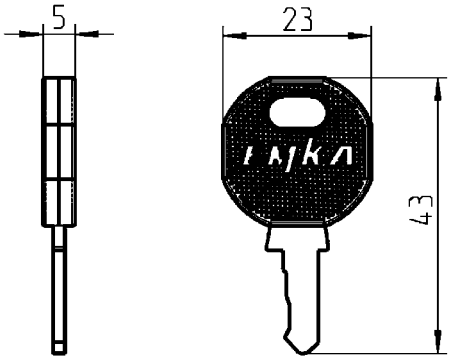












EMKA-key silver steel with grip polyamide black for program 1000, 1048, 1091, 1109, 1121, 1125, 1150, 1160, 1180, 1200, 1210, 1225, 2100, 2300, 2400, 2600	
keyed EK 333	1108-U35
keyed different	1108-U36-different
for program 1022, 1109, 1200, 2100, 2400	
keyed 2233X	1108-U37
keyed different	1108-U38-different

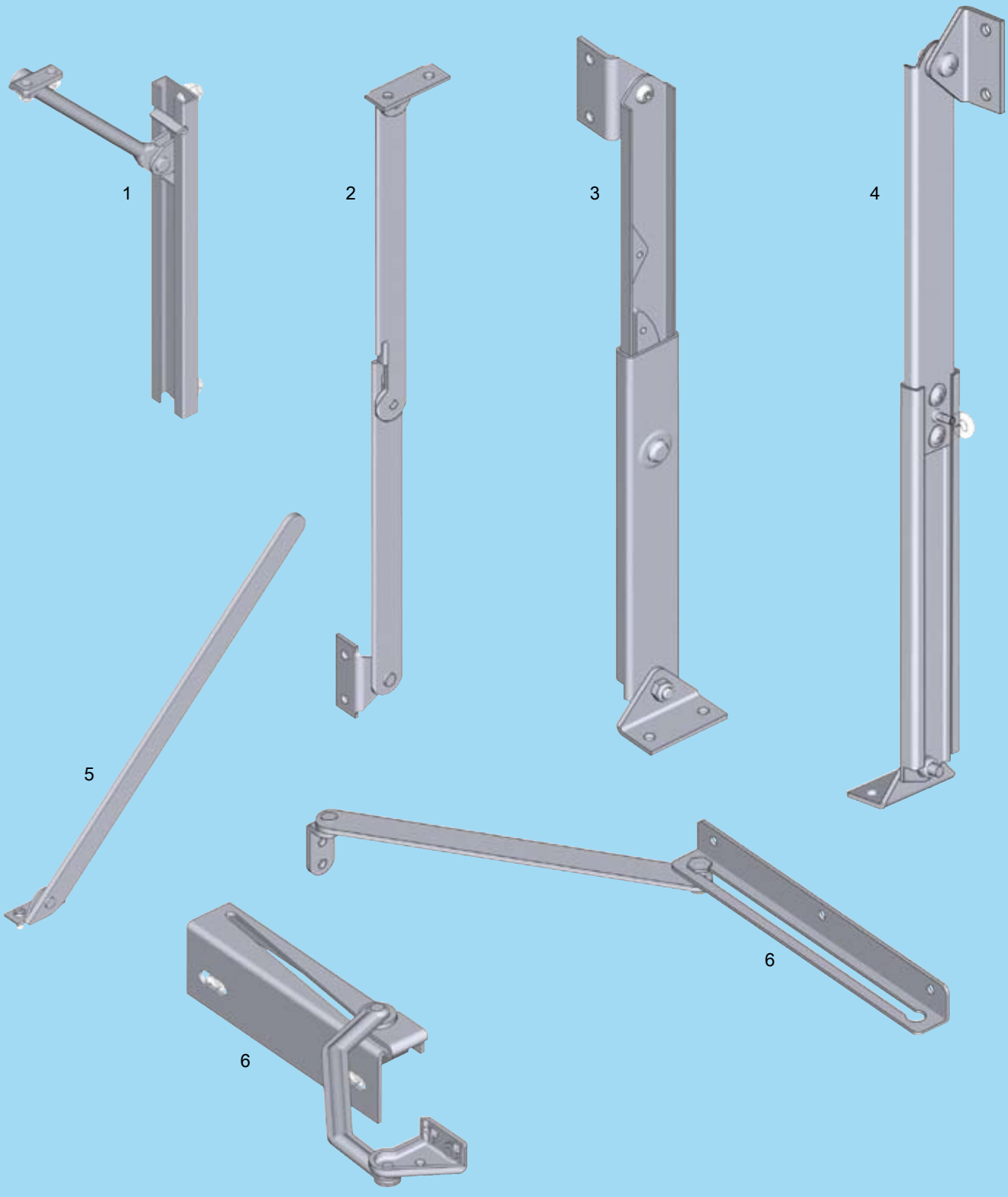
Note:
Further keys on request

EMKA®

Beschlagteile

Notes:

Cover stay and door stop



1	Double stay self catching	12C-120
2	Cover stay with locking pawl	12C-180
3	Telescopic cover stay self catching	12C-160
4	Telescopic cover stay self catching and with push button	12C-140
5	Cover stay	12C-180
6	Door stop	12C-220

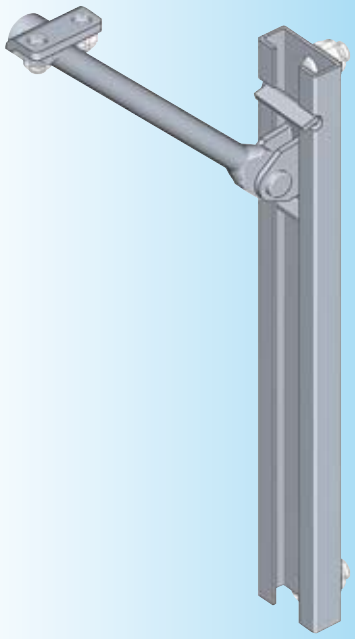
EMKA®

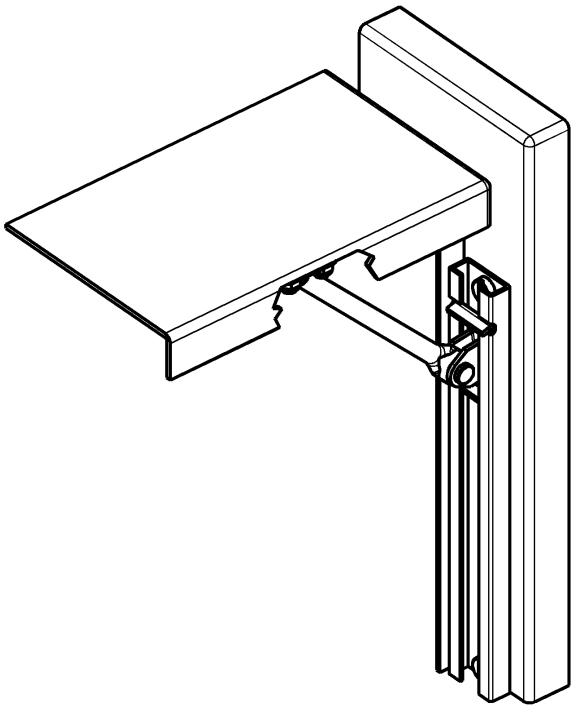
Beschlagteile

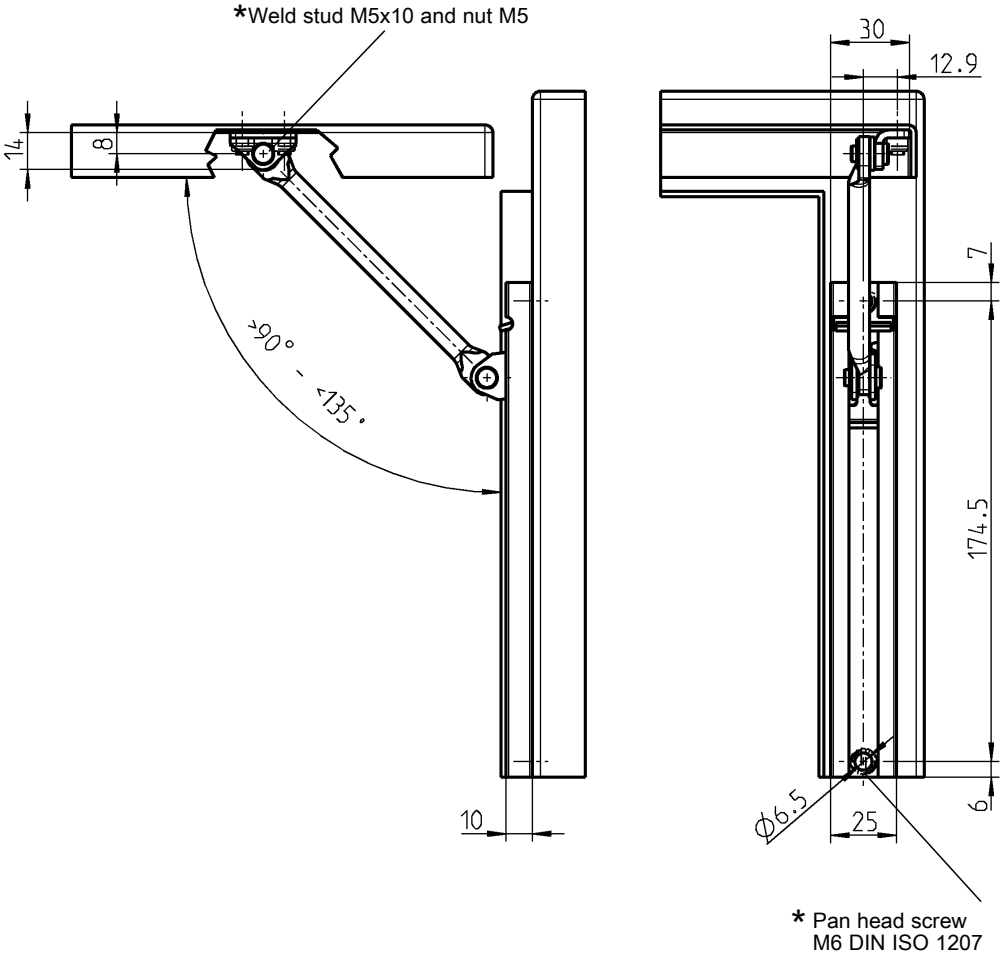
Cover stay

PROGRAM 1050

RL







* not included

The opening angle of 90°–135° depends on the choice of hinges.

Further parts see page
– Hinge for prominent door — Chapter 4

Cover stay m.s. zinc pl.

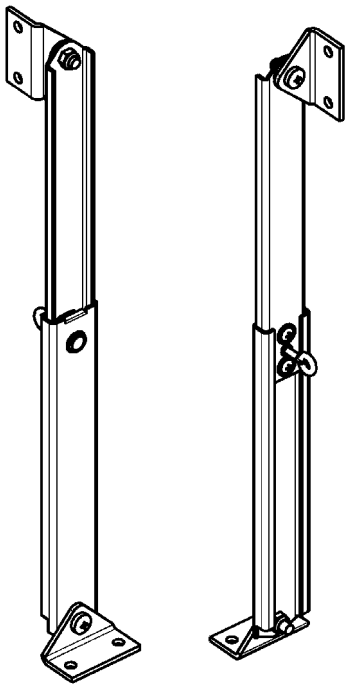
1050-U3

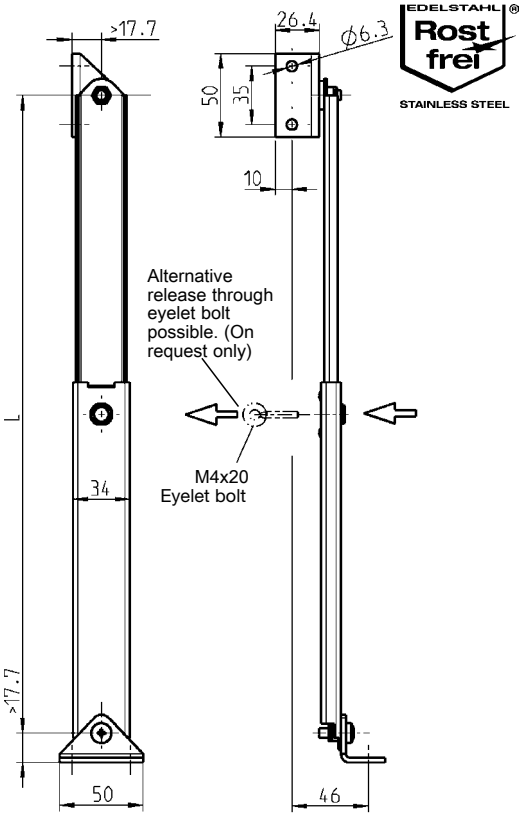
Telescopic cover stay with push button to release

PROGRAM 1097

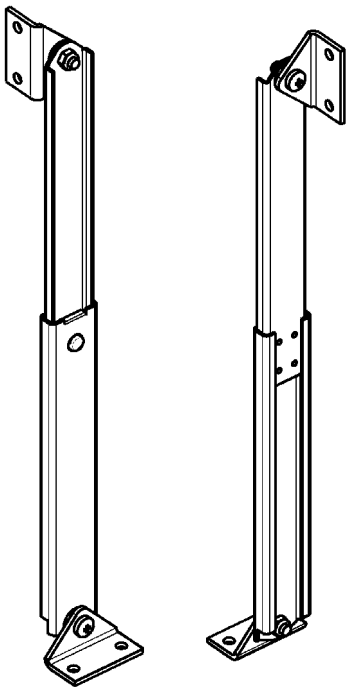
RL 2D INOX AISI 3..

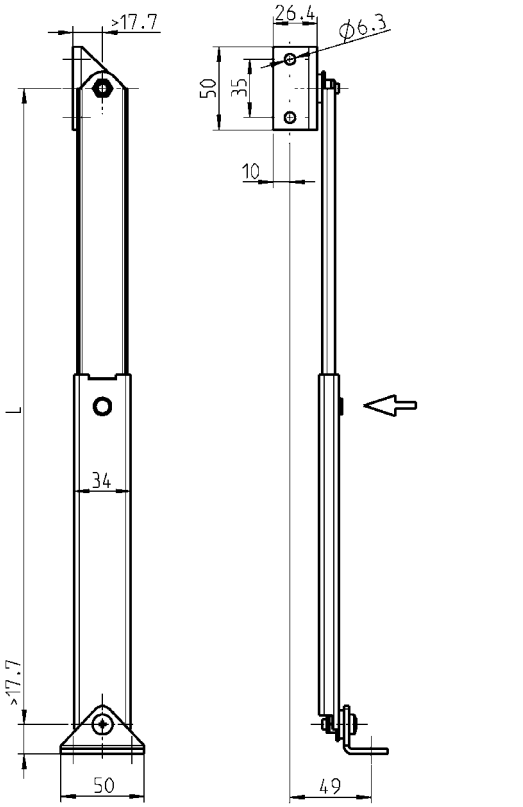
Telescopic cover stay m.s. zinc plated

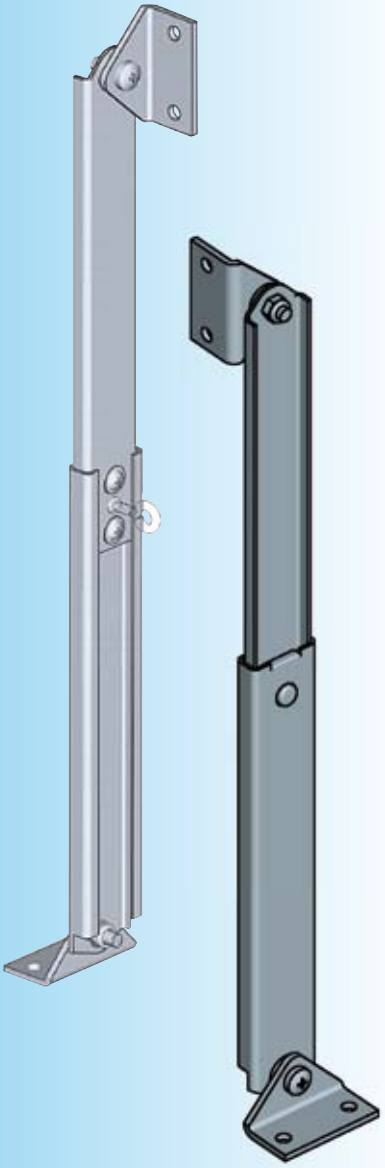




Telescopic cover stay stainless steel







Telesopic cover stay m.s. zinc pl., push button zinc die chrome pl.			
	retracted	extended	
Dimension L	213	382	1097-U5
Dimension L	377	710	1097-U6
Telescopic cover stay AISI 304, push button AISI 303			
Dimension L	213	382	1097-U5-PC

Further parts see page
– Hinge for prominent door
– 2D-nut
Chapter 4
12E-120

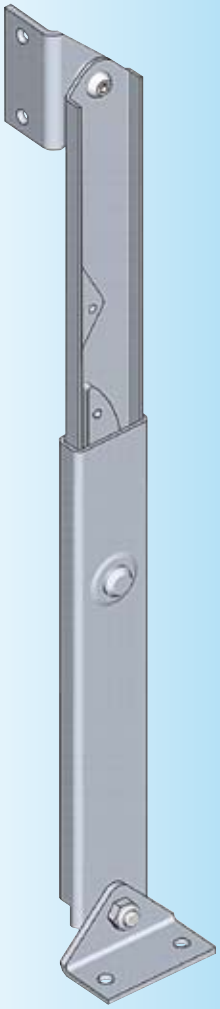
EMKA®

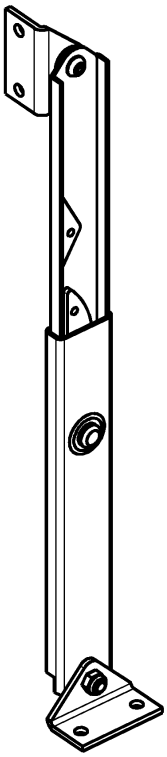
Beschlagteile

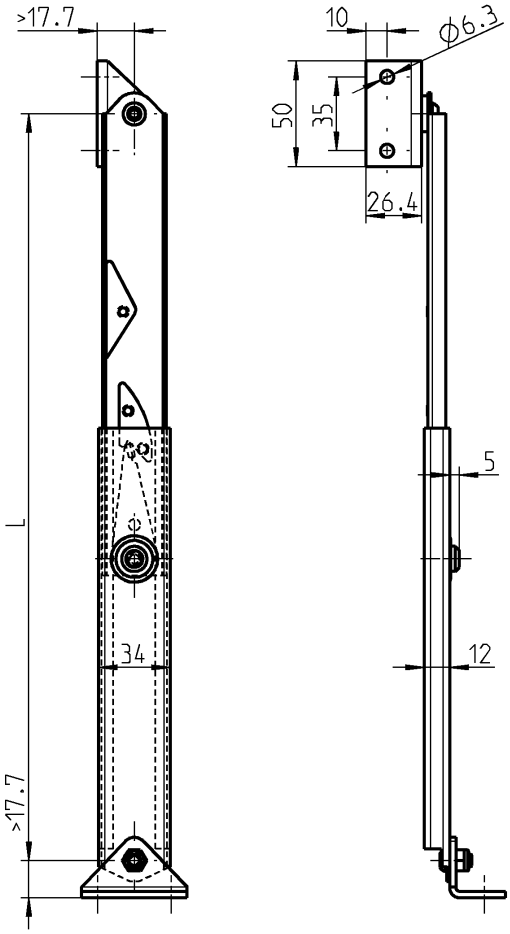
Telescopic cover stay

PROGRAM 1097

RL 2D







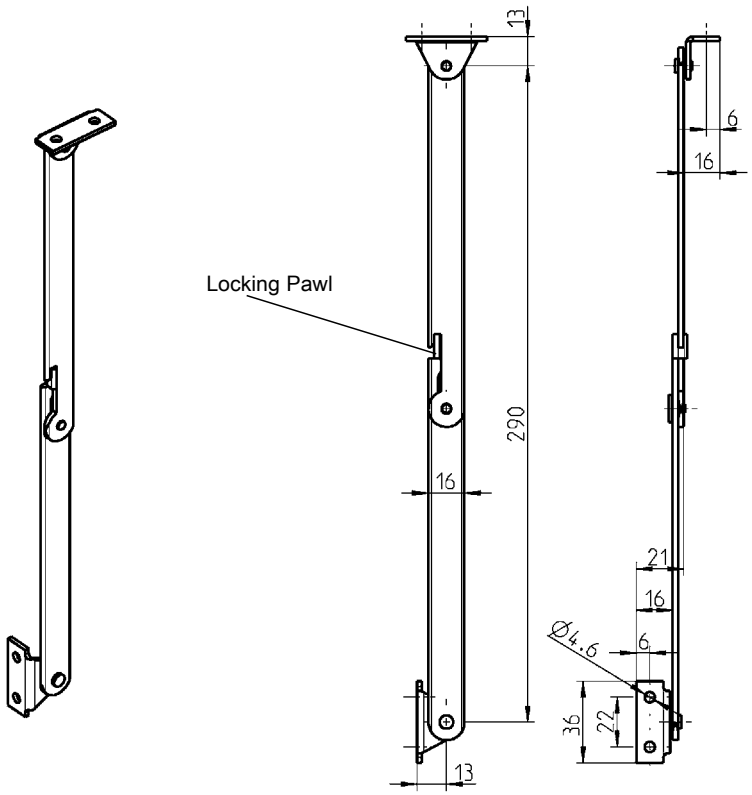
Further parts see page
– Hinge for prominent door — Chapter 4
– 2D-nut — 12E-120

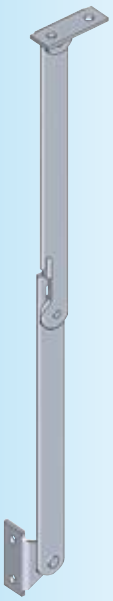
Telescopic cover stay m.s. zinc plated			
	retracted	extended	
Dimension L	215	360	1097-U1
Dimension L	398	685	1097-U2

Cover stay

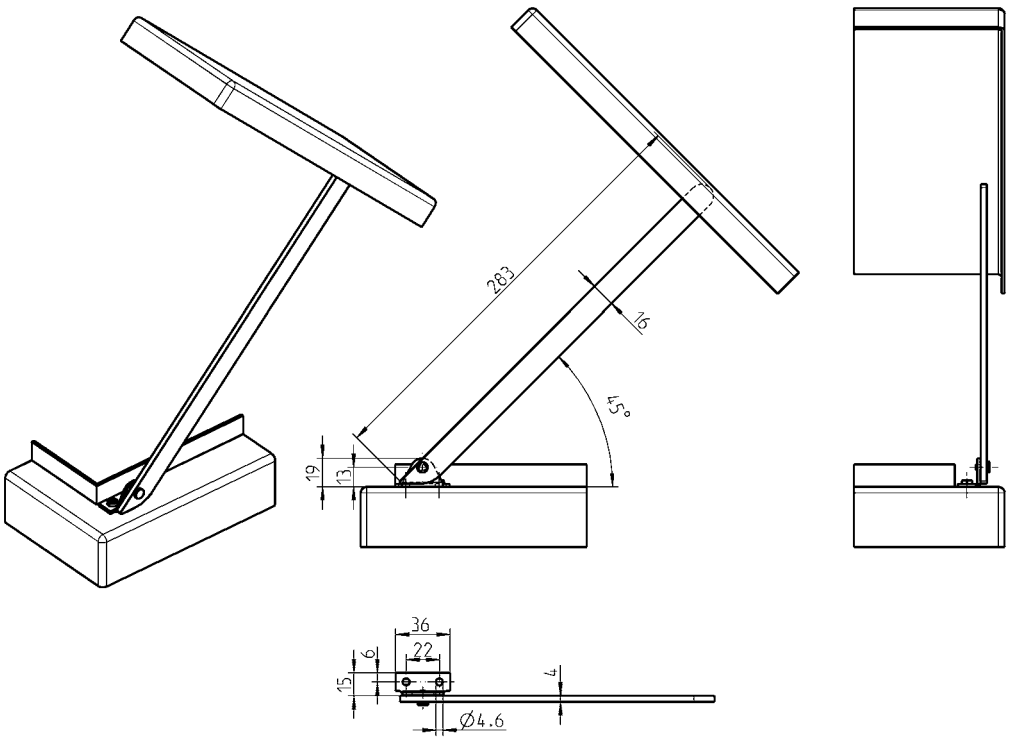
PROGRAM 1050, 1070

RL





Cover stay m.s. nickel plated	
RH	1050-U1
LH	1050-U2





Cover stay m.s. zinc plated	
RH	1070-U1
LH	1070-U2

Further parts see page
– Hinge Chapter 4

EMKA®

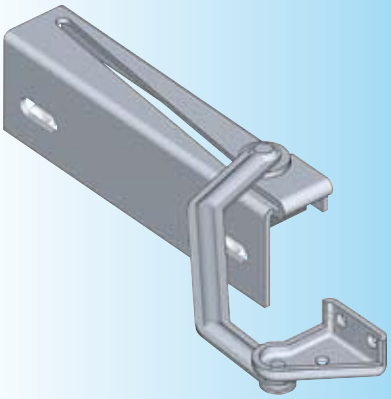
Beschlagteile

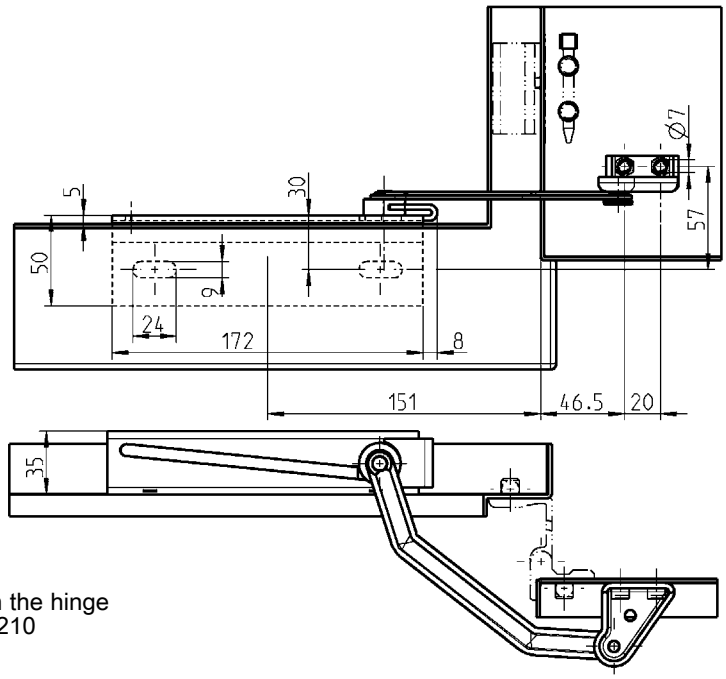
Door stop

PROGRAM 1087

R L RL

2D INOX AISI 3..

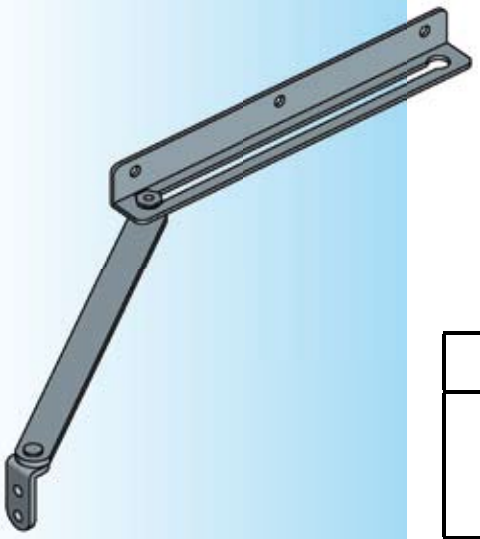


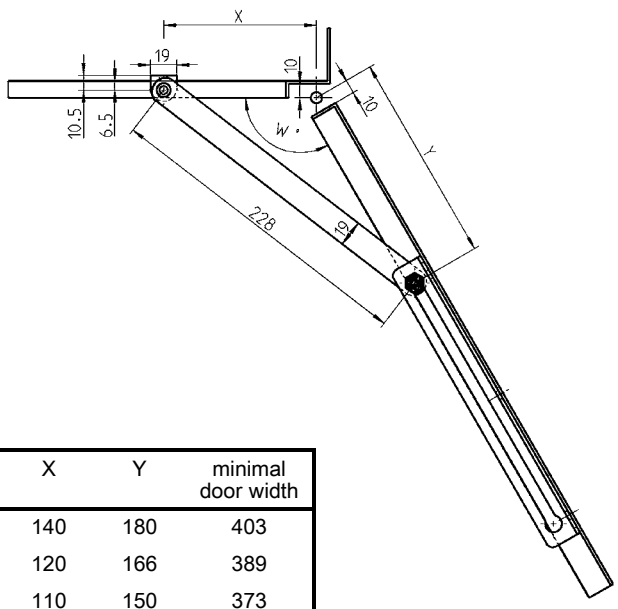


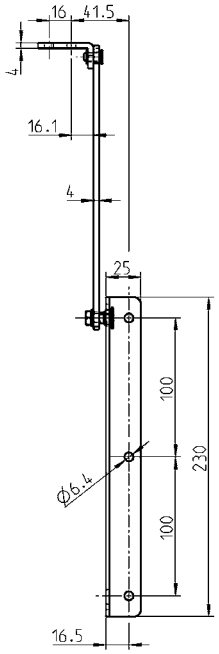
Attention:
For fitting with the hinge
see page 4A-210

180° Door stop m.s. zinc plated, guide plate polyamide GF black	
RH	1087-U2
LH	1087-U3

EDELSTAHL® Rostfrei STAINLESS STEEL







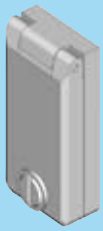
W	X	Y	minimal door width
90°	140	180	403
105°	120	166	389
120°	110	150	373
135°	100	146	369

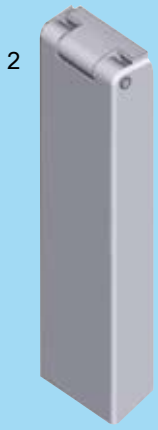
in case of other variations
y = x + >40

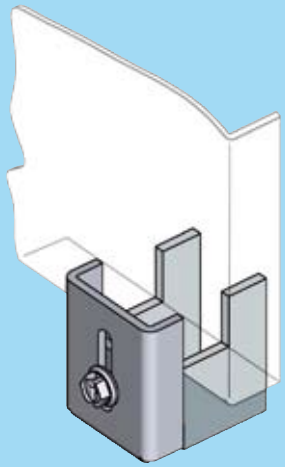
Door stop m.s. zinc plated	
(2D-nut possible)	1087-U1
Door stop AISI 304, locking bush and rivet AISI 303	
(2D-nut possible)	1087-U1-PC

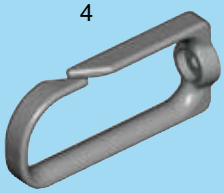
Further parts see page
– Hinge for prominent door — Chapter 4
– 2D-nut — 12E-120

Accessories
Escutcheon, panel mounting device, cable shunting ring, drawing pocket, window

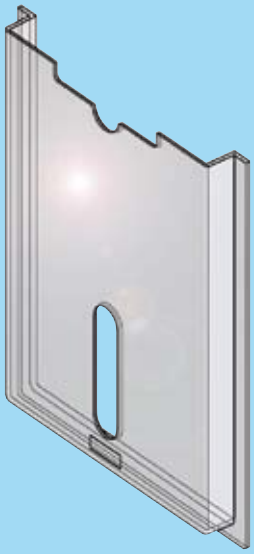


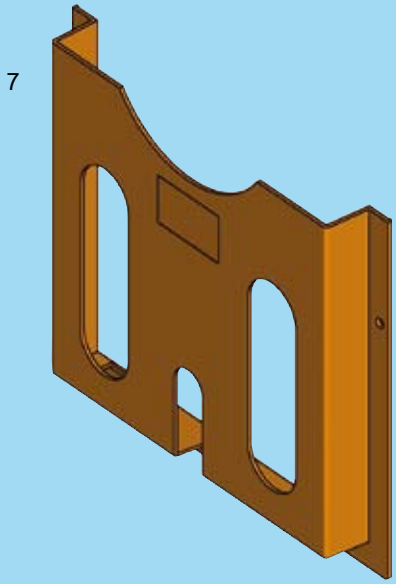














1	Escutcheon e.g. for profile half cylinder	12D-120
2	Escutcheon e.g. in conjunction with Program 1068	12D-120
3	Panel mounting device for fitting panels, back plates etc	12D-220
4	Cable shunting ring	12D-320
5	Cable grommet	12D-320
6	Drawing pocket transparent	12D-420
7	Drawing pocket e.g. for DIN A4 format	12D-420
8	Window	12D-520, 12D-540

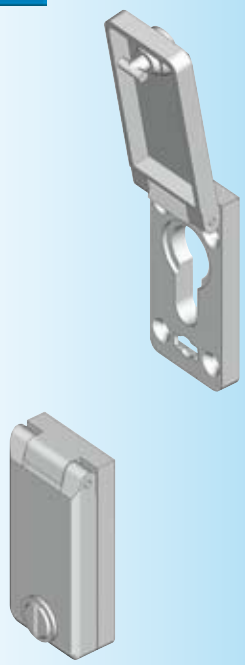
EMKA®

Beschlagteile

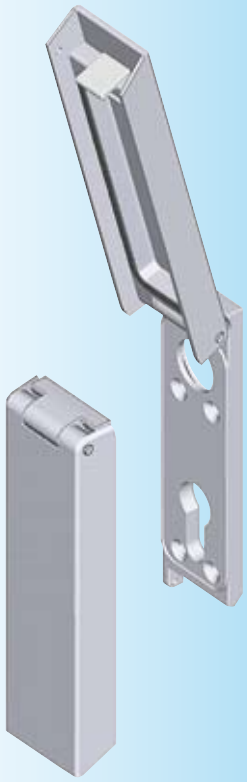
Escutcheon

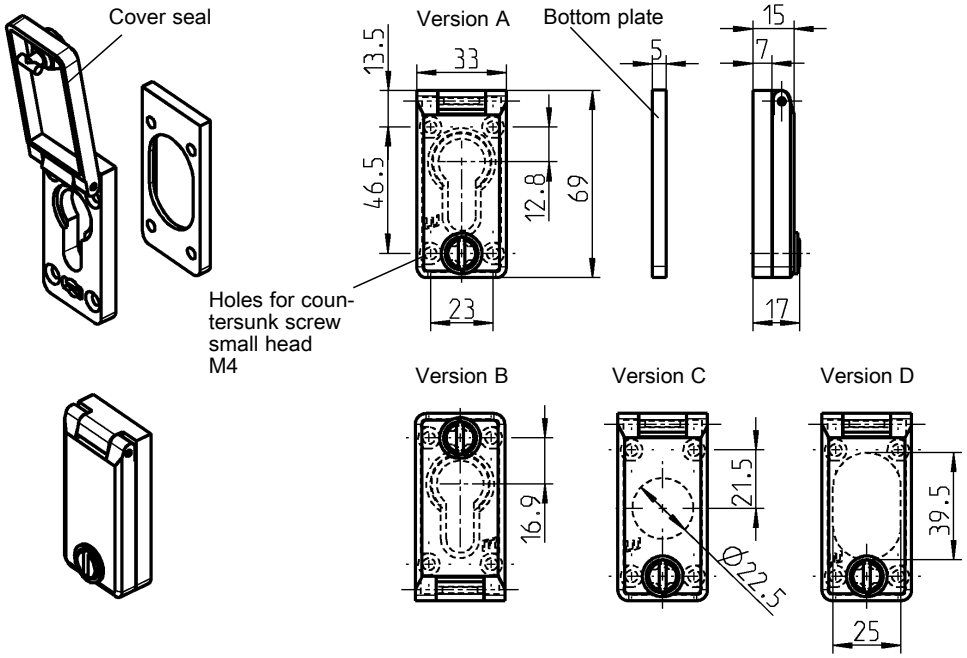
PROGRAM 1072, 1018

RL

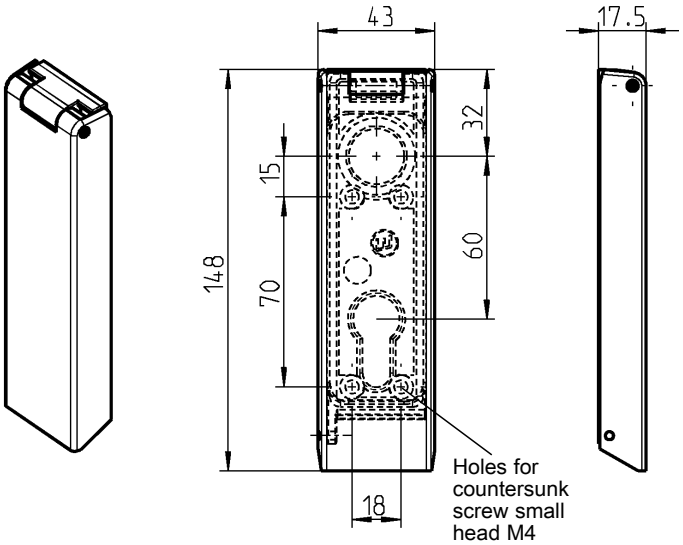


small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047





Escutcheon in grey polyamide, RAL 7032			
Version A for profile half cylinder	1072-U1	Version A for profile cylinder, sealable	1072-U11
Version B for profile half cylinder	1072-U13	Version B for profile cylinder, sealable	1072-U12
Version C with round hole Ø 22,5	1072-U15	Version C with round hole Ø 22,5, sealable	1072-U14
Version D with universal hole	1072-U16	Version D with universal hole, sealable	1072-U17
Bottom plate, grey polyamide			1072-01
Bottom plate seal, sponge rubber			1072-02
cover seal, sponge rubber			1072-03



Escutcheon zinc die silver, sealable and waterspray protected, with gasketing	
	1018-U1

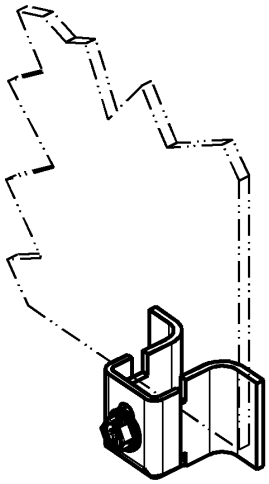
Further parts see page
– suitable for rod system 2A-120
2B-140

Panel mounting device

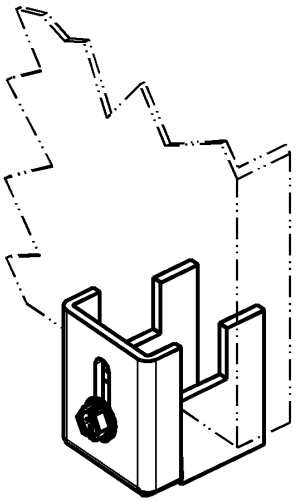
PROGRAM 1051

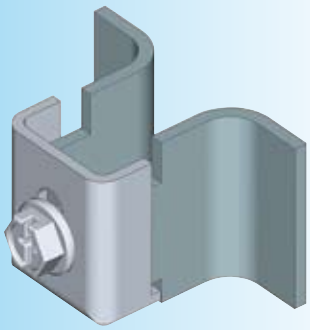
RL

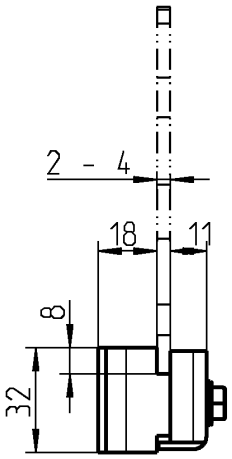
Version A

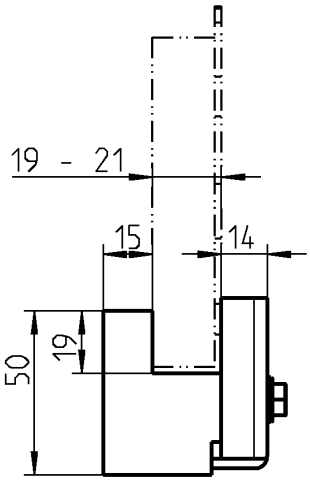


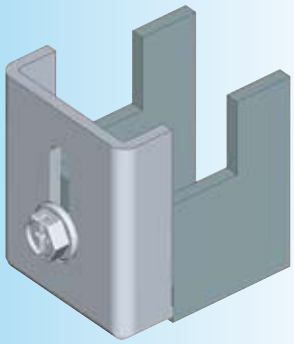
Version B

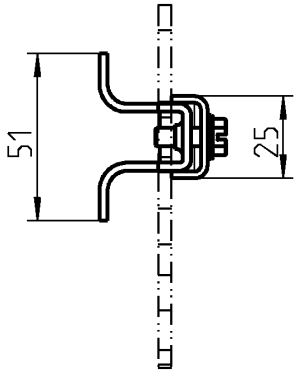


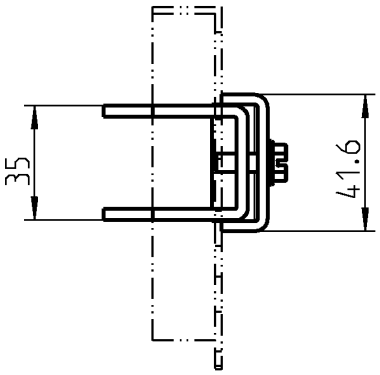












Panel mounting device m.s. zinc plated, weld-on part m.s. raw		
	Version A	Version B
	1051-U2	1051-U1

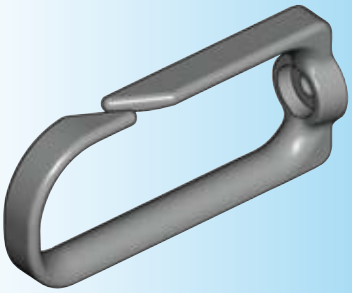
EMKA®

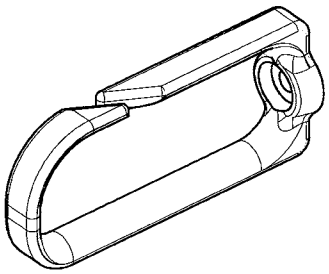
Beschlagteile

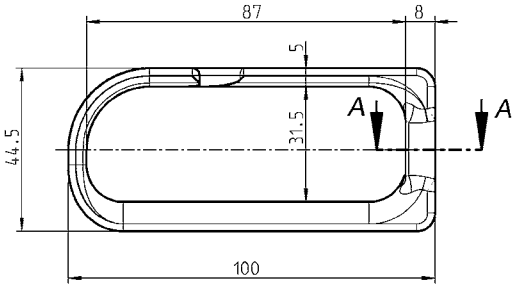
Cable shunting ring, cable grommet

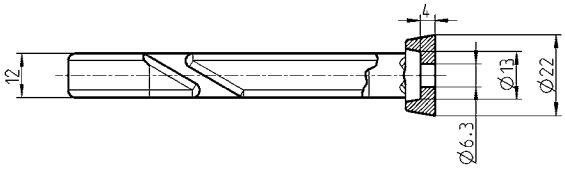
PROGRAM 1071

RL



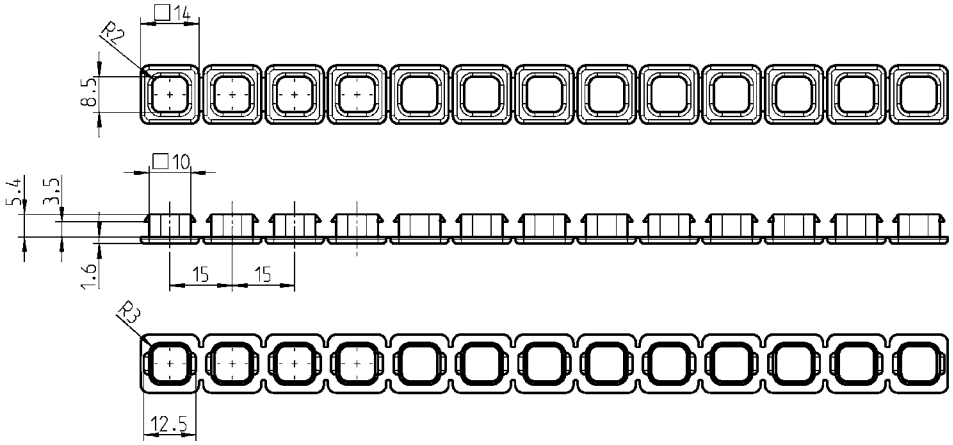






Cable shunting ring polyamide V0 black	
fixing material M6	1071-01



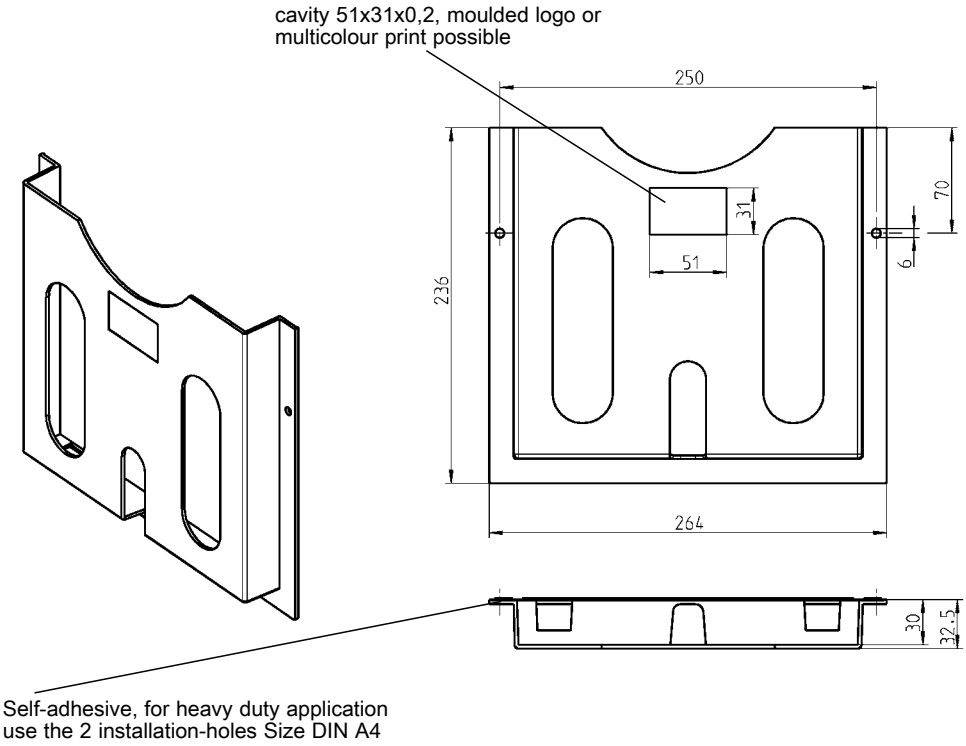


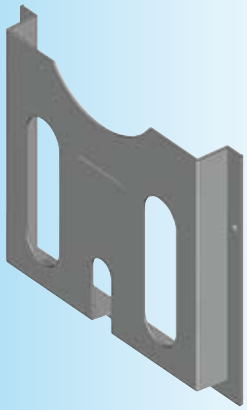
Cable grommet low density polyethylene black	
Bar of 13 pieces	1071-U1

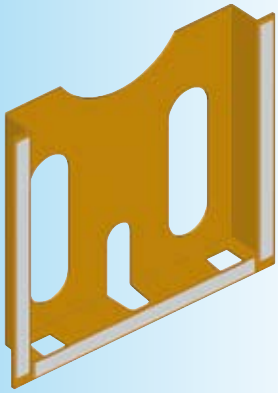
Further parts see page
– Electronic locking systems
Chapter 11

Drawing pocket

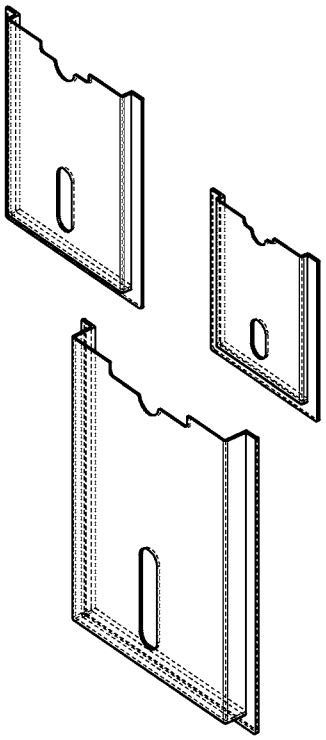
PROGRAM 1013

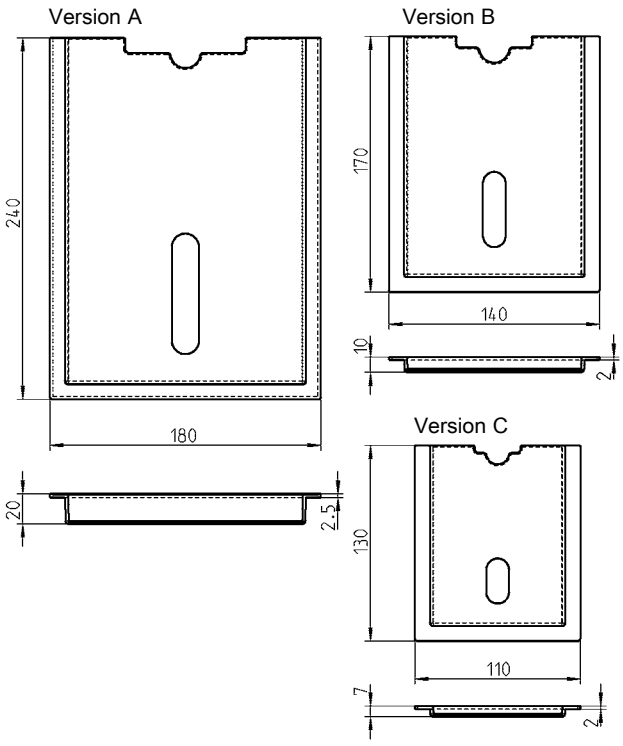






Drawing pocket PS impact proof, self-adhesive	
grey	1013-U1
orange	1013-U2







Drawing pocket SAN, transparent, self-adhesive	
Version A	1013-U5
Version B	1013-U4
Version C	1013-U3

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Window

PROGRAM 1250

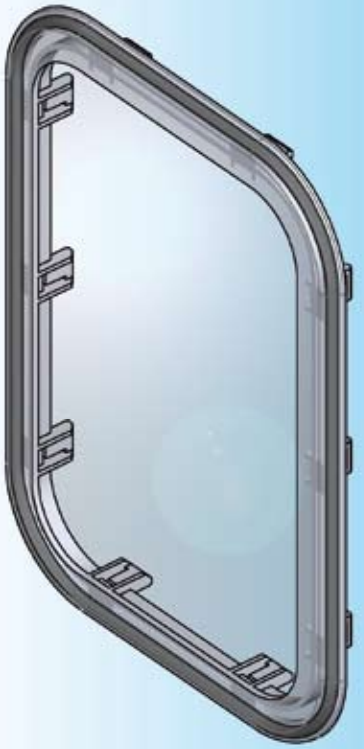


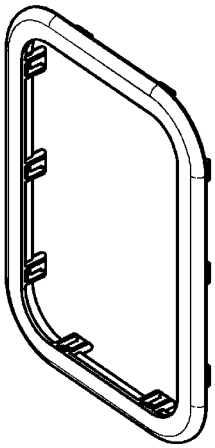


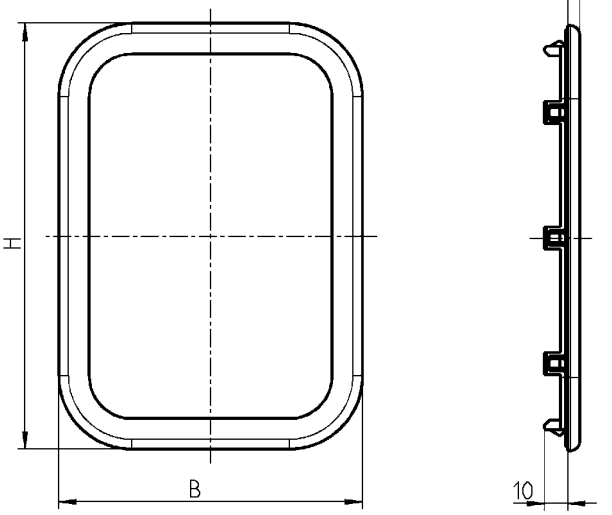


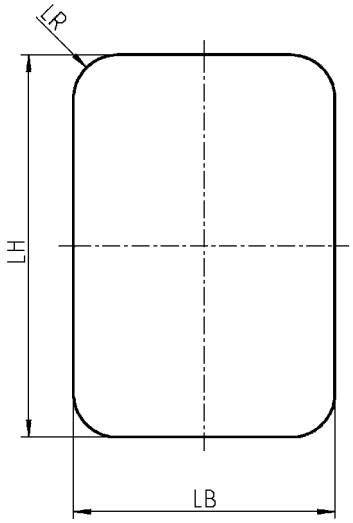












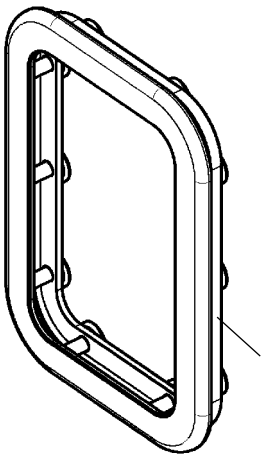
Cut out

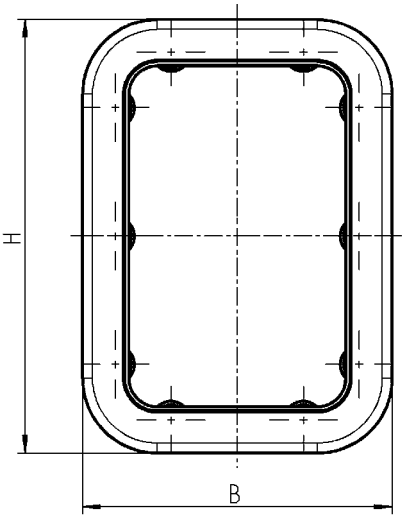
Clip-in window macrolon glass, with gasketing						
H	B	LH	LB	LR	Ts	
110	110	94,4	94,4	6	1,5	1250-U1
110	110	94,4	94,4	6	2	1250-U3
175	125	157,2	107,2	20	1,5	1250-U2

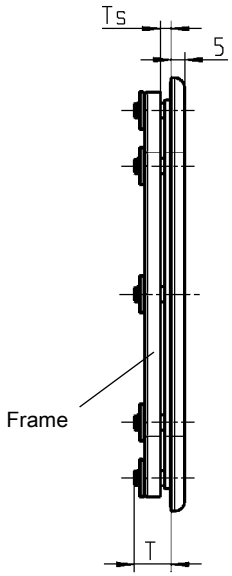
Other sizes on request

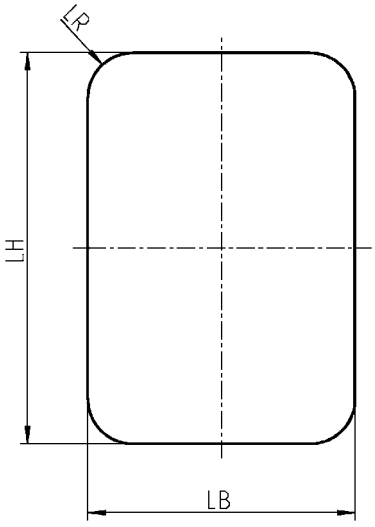
Window

PROGRAM 1250









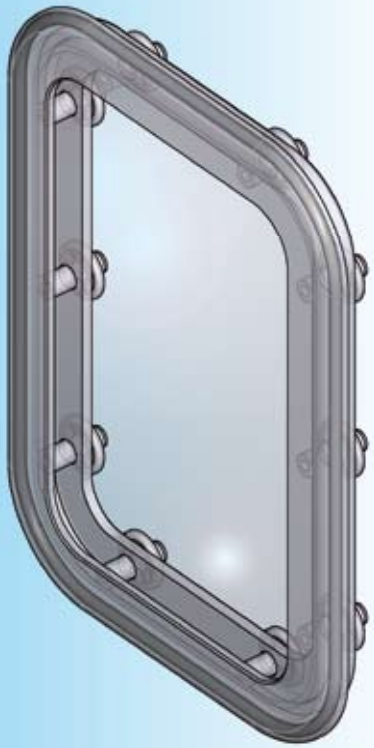
Cut out

Window polycarbonate transparent, star lock washer m.s. zinc plated, with seal							
H	B	T	LH	LB	LR	Ts	
Window without frame							
110	110	17	95,5	95,5	6	3 - 13	1250-U4
175	125	15	156,5	107	20	3 - 12	1250-U6
Window with frame polycarbonate							
110	110	17	95,5	95,5	6	< 5	1250-U5
175	125	15	156,5	107	20	< 6	1250-U7

RL IP 65







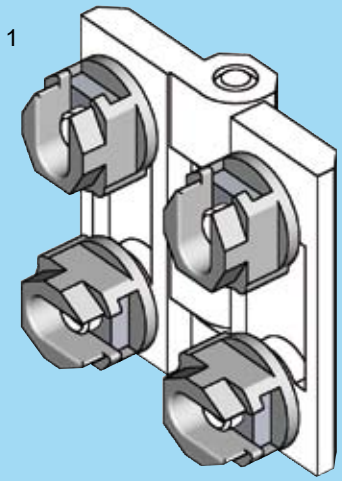
Other sizes on request

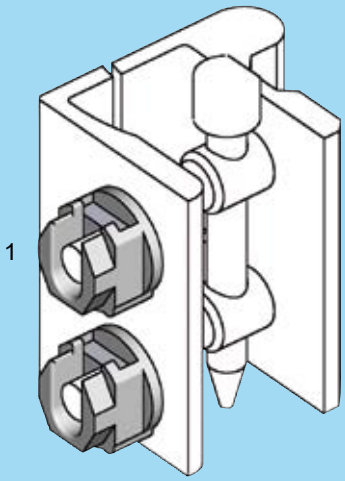
EMKA®

Beschlagteile

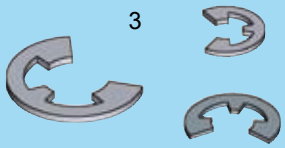
Notes:

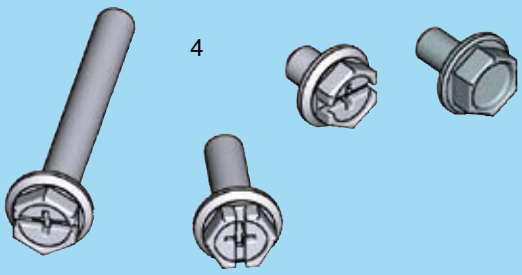
Fixing material











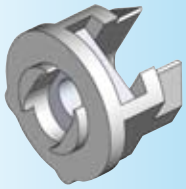
1	2D-nut example for assembling hinge	12E-120
2	Nut for program 1000, 1001, 1022, 1102, 1103 und 1107	12E-140
3	Circlip DIN 6799	12E-140
4	Vibration proof screw with and without loctite	12E-160

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Beschlagteile

2D-nut example for assembling hinge

PROGRAM UNIVERSAL

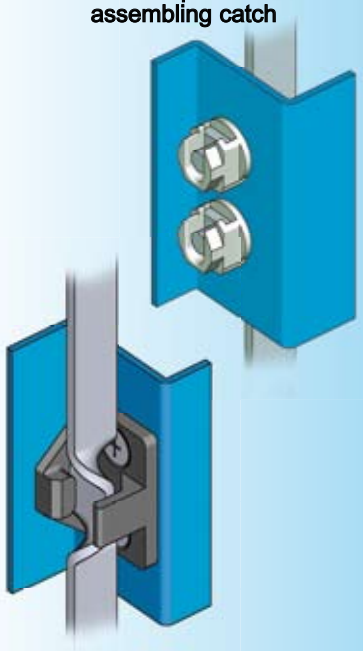


Cut out
Ø10

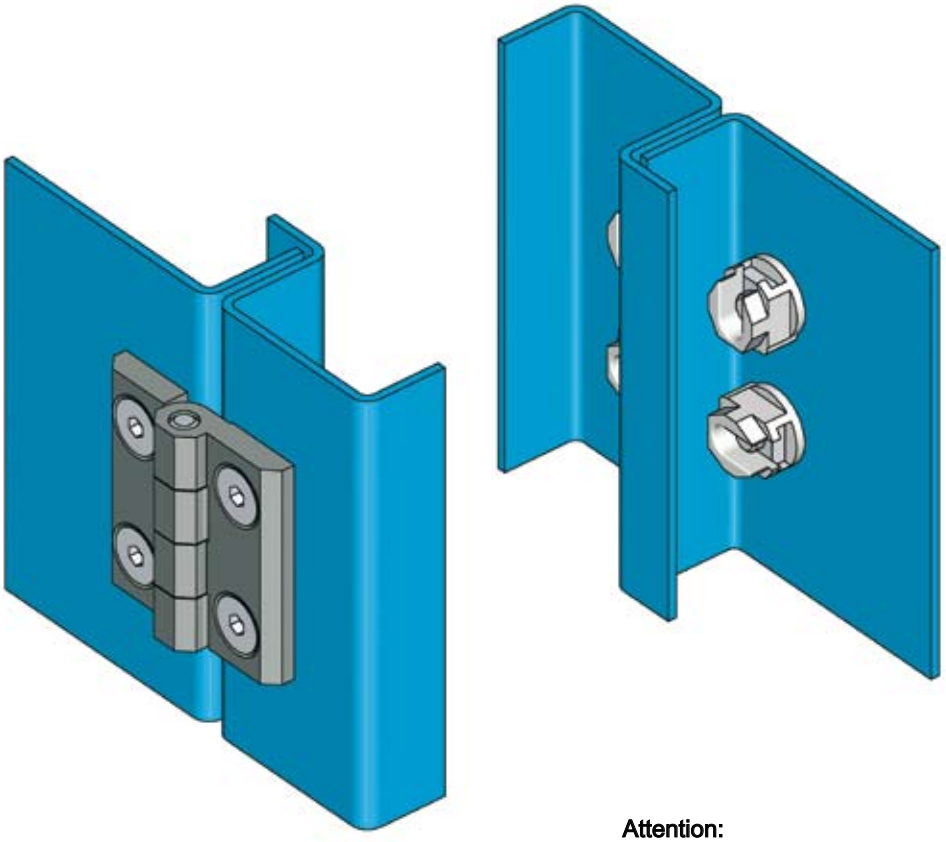




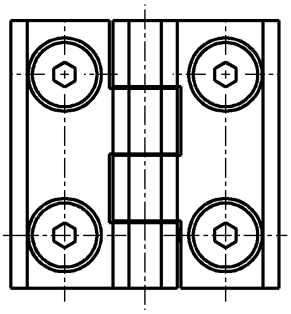
Example for assembling catch

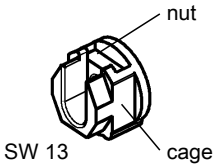


Example
for assembling hinge for in-line door

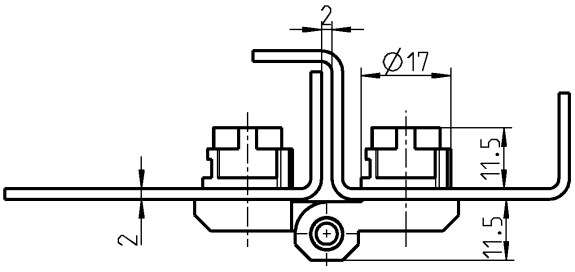


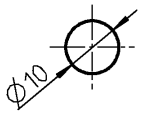
Attention:
every 2D-nut is adjustable ± 2 mm in the horizontal and vertical direction.











Cut out for 2D-nut M6

Convenience:
1. **Identification of adjustability is not possible from the outside.**
2. **By using the 2D-nut it is possible to use every front mounted hinge or catch as an 2D part.**

other thread parameters on request

Further parts see page

– Catch	3ZA-1220
– Hinge for prominent door	4A-138 4A-140 4A-170 4A-210 4A-215 8B-180
– Hinge for in-line door	4B-200 4B-210 4B-212 4B-215 4B-245 4B-320 8B-360 up to 8B-390
– Cover stay	8C-520 8C-540 12C-140 12C-160 12C-220

2D-nut **cage zinc die zinc plated, Flat steel zinc pl.**	
M6 with SW 13	1056-U51

Nut, circlip

PROGRAM UNIVERSAL

Nut

EDELSTAHL Rostfrei STAINLESS STEEL

INOX AISI 3..

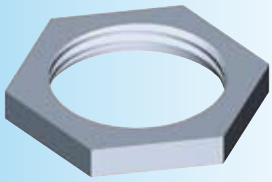
Screw-in safety earthing quarter turn program

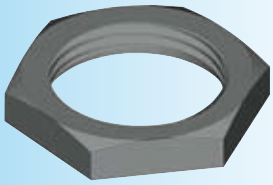
By use of the earthnut our screw-in quarter turn is in accordance to the standard VDE-regulation 0660/part 5.

The earthnut is produced with teeth, which under pressure removes the enamel in a limited way and makes sure there is a metallic contact (earthing).

Standard washers could not meet this requirement due to the high quality of the enamel.

Earthing of a cabinet should be inspected by qualified personnel.





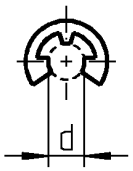


Nut M16x1 for program 1022			
		Zinc die	m.s. zinc pl.
Nut		–	1022-05-JB
Earthnut		1022-11-01KA	1022-11-JB

Nut M22x1,5 for program 1000			
	m.s. zinc plated	AISI 303	polyamide
Nut	1000-02-JB	1000-02-PF	1000-02-SI
Earthnut	1000-111-JB	–	–

Circlip

EDELSTAHL Rostfrei STAINLESS STEEL





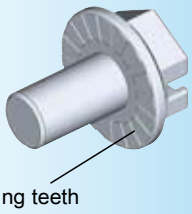
Circlip DIN 6799		
d	m.s. zinc pl.	AISI 303
4	000039	–
5	000042	000041
6	000048	–
8	000154	–

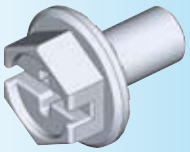
Vibration proof screw

PROGRAM UNIVERSAL

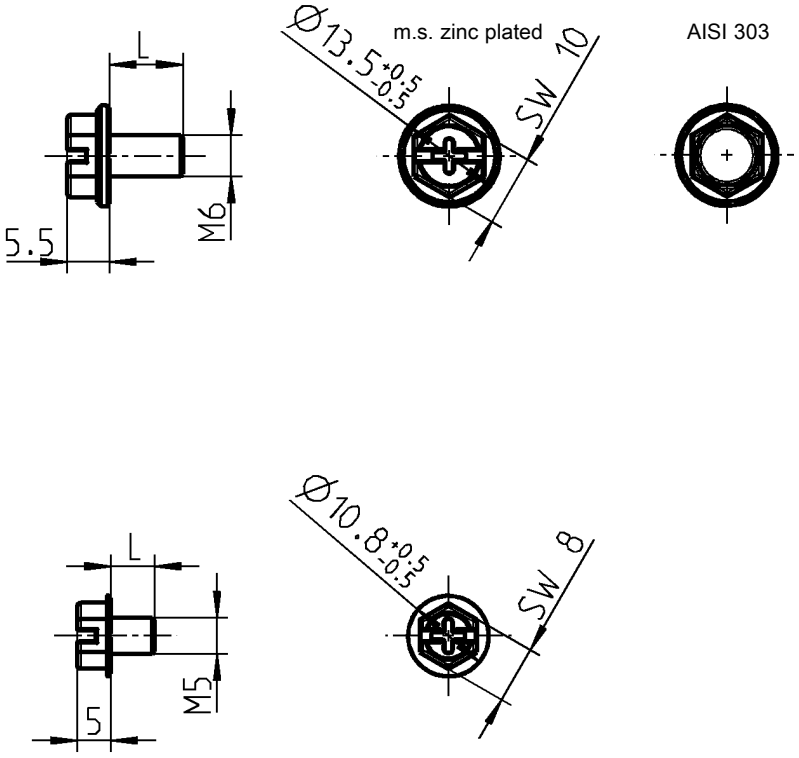
INOX AISI 3..

EDELSTAHL Rostfrei STAINLESS STEEL









Vibration proof screw with Philips head, slot and hexagon (not AISI 303)			
M6xL	**m.s. zinc plated**	**m.s. zinc pl.**	**AISI 303**
		with locitite	
6	1000-277-02JB	1000-277-02JC	–
8	1000-277-03JB	1000-277-03JC	–
10	1000-277-01JB	1000-277-01JC	1000-277-01PI
16	1000-277-11JB	1000-277-11JC	–
20	1000-277-04JB	1000-277-04JC	–
23	–	1000-277-13JC	–
25	1000-277-05JB	1000-277-05JC	–
30	1000-277-06JB	–	–
40	1000-277-07JB	–	–
50	1000-277-21JB	–	–
M5xL			**m.s. zinc plated**
6			1000-277-09JB

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1000-02-PF	12E-140
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6004-U30-JQ	9A-230
6004-U30-KA	9A-230
6004-U31-JQ	9A-230
6004-U31-KA	9A-230
6004-U34-JQ	9A-230
6004-U37-JQ	9A-220
6004-U37-KA	9A-220
6004-U517-JQ	9A-240
6004-U517-PC	9A-240
6004-U518-JQ	9A-240
6004-U518-KA	9A-240
6005-U28-JQ	9A-260
6005-U28-PC	9A-260
6005-U200-JQ	9A-260
6005-U200-KA	9A-260
6005-U200-PC	9A-260
6006-U10-JQ	9A-260
6006-U10-PC	9A-260
6006-U46-JQ	9A-280
6006-U47-JQ	9A-280
6007-U80-JQ	9A-310
6007-U80-PC	9A-310
6007-U435-JQ	9A-310
6007-U435-PC	9A-310
6007-U689-56JQ	9A-300
6007-U689-56PC	9A-300
6007-U689-67JQ	9A-300
6007-U689-67PC	9A-300
6007-U689-77JQ	9A-300
6007-U689-77PC	9A-300
6007-U689-93JQ	9A-300
6007-U689-93PC	9A-300
6007-U692-67JQ	9A-300
6007-U692-67PC	9A-300
6008-U364-JQ	9A-320
6008-U365-JQ	9A-320
6008-U365-PC	9A-320
6008-U865-JQ	9A-320
6008-U865-PC	9A-320
6010-01-JQ	9A-520
6010-01-KA	9A-520
6010-01-PC	9A-520
6010-01-01KA	9A-520
6010-01-01PC	9A-520
6010-02-JQ	9A-520
6010-02-KA	9A-520
6010-02-PC	9A-520
6010-02-01KA	9A-520
6010-02-01PC	9A-520
6010-03-JQ	9A-520
6010-03-KA	9A-520
6010-03-PC	9A-520
6010-04-JQ	9A-520
6010-04-KA	9A-520
6010-04-PC	9A-520
6010-05-JQ	9A-540
6010-05-KA	9A-540
6010-05-PC	9A-540
6010-06-JQ	9A-540
6010-06-KA	9A-540
6010-06-PC	9A-540
6010-07-JQ	9A-540
6010-07-PC	9A-540
6010-08-JQ	9A-620
6010-08-KA	9A-620
6010-08-PC	9A-620
6010-08-01KA	9A-620
6010-08-01PC	9A-620
6010-09-JQ	9A-620
6010-09-KA	9A-620
6010-09-PC	9A-620
6010-09-01KA	9A-620
6010-09-01PC	9A-620
6010-11-JQ	9A-540
6010-11-KA	9A-540
6010-11-PC	9A-540
6010-11-01KA	9A-540
6010-11-01PC	9A-540
6010-12-JQ	9A-620
6010-12-KA	9A-620
6010-12-PC	9A-620
6010-13-JQ	9A-640
6010-13-KA	9A-640
6010-13-PC	9A-640
6010-14-JQ	9A-640
6010-14-KA	9A-640
6010-14-PC	9A-640
6010-15-JQ	9A-640
6010-16-JQ	9A-660
6010-16-KA	9A-660
6010-16-PC	9A-660
6010-17-JQ	9A-660
6010-17-KA	9A-660
6010-17-PC	9A-660
6010-18-JQ	9A-560
6010-18-KA	9A-560
6010-18-PC	9A-560
6010-20-JQ	9A-560
6010-20-PC	9A-560
6010-139-JQ	9A-560
6010-139-KA	9A-560
6010-139-PC	9A-560
6010-200-JQ	9A-560
6010-200-KA	9A-560
6010-200-PC	9A-560
6010-241-JQ	9A-570
6010-243-JQ	9A-570
6010-261-JQ	9A-580
6010-261-PC	9A-580
6010-315-JQ	9A-570
6010-316-JQ	9A-570
6010-339-JQ	9A-640
6010-690-JQ	9A-580
6010-690-PC	9A-580
6010-694-JQ	9A-580
6010-694-PC	9A-580
6010-866-JQ	9A-580
6010-866-PC	9A-580
6010-958-JQ	9A-660
6010-958-PC	9A-660
6020-U1098-PP	4B-220
6040-15-JQ	6B-220
6040-15-KA	6B-220
6040-15-PC	6B-220
6040-15-01KA	6B-220
6040-U12-JQ	6B-120
6040-U12-KA	6B-120
6040-U12-01KA	6B-120
6040-U13-JQ	6B-120
6040-U13-PC	6B-120
6040-U14-JQ	6B-120
6040-U14-PC	6B-120
6040-U19-LA	6B-220
6040-U23-JQ	6B-140
6040-U23-PC	6B-140
6040-U24-JQ	6B-140
6040-U24-PC	6B-140
6040-U33-JQ	6B-140
6040-U33-PC	6B-140
6040-U34-JQ	6B-140
6040-U34-PC	6B-140
6040-U35-JQ	6B-160
6040-U35-PC	6B-160
6040-U41-JQ	6B-160
6040-U41-PC	6B-160
6040-U46-JQ	6B-180
6040-U53-JQ	6B-180
6040-U53-PC	6B-180
6040-U54-JQ	6B-180
6040-U54-PC	6B-180
6040-U80-JQ	6B-240
6040-U80-PC	6B-240
6040-U94-JQ	6B-240
6042-63-JQ	6B-320
6042-69-JQ	6B-320
6042-69-PC	6B-320
6042-82-JQ	9A-680
6042-82-KA	9A-680
6042-82-PC	9A-680
6042-278-JQ	6B-340

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Manufacturing plants international



The EMKA Group:
design, engineering, manufacturing

Headquarters: Velbert, D; other manufacturing plants Wuppertal, D •
Bourré, Henriville, F • Gorăzde, BIH • Arnedo, SP • Birmingham, GB • Tianjin, CN

The various production processes are spread across EMKA´s manufacturing centres in line with economic and logistic considerations. With 8 manufacturing plants, producing more than 18,000 modular components, the ability to address specific needs is unmatched.













The EMKA group is present in more than 60 countries worldwide:

- 8 production facilities
- ca. 43 subsidiaries / agencies
- approx. 1,300 employees worldwide (2010)

Certifications for quality and environmental management:

- DIN EN ISO 9001
- DIN EN ISO 14001
- VDA 6 Teil 1 (ILS)
- ISO/TS 16949 (Sealing Systems)



Manufacturing expertise





Upper left image: Tool and mould making

Upper right image: Zinc-die casting

Left image, centre: CNC milling machines, lathes, and transfer machines

Right image, centre: aluminium die-casting







▲ *Plastics technology: more than 50 injection moulding machines*



▲ *more than 40 bending, punching, and stamping machines*



▲ *Powder coating line*

GLC CERTIFIED ISO 9001

GLC CERTIFIED ISO 14001

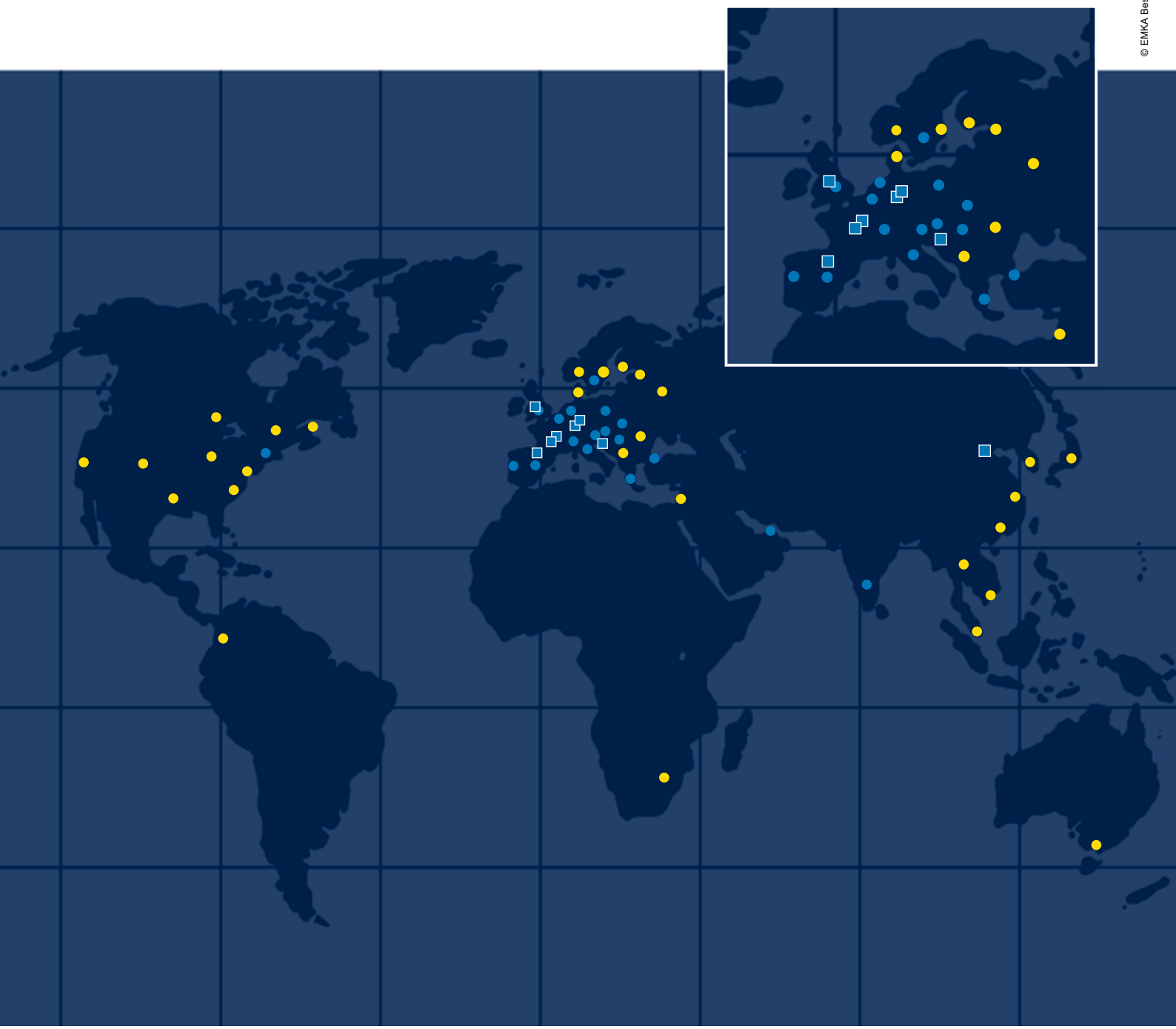
The EMKA Group: manufacturing expertise

- Development engineering
- Tool and mould making
- Processing of all Thermoplastics
- Cutting technology
- Bending, punching, and stamping machines
- Die casting technology
- Seal technology (foam-in-place)
- Surface coating
- Window manufacturing
- Laboratories
- Assembly

RoHS

EMKA - your local worldwide partner

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- EMKA Manufacturing plants
- EMKA Subsidiaries
- EMKA Agencies

EMKA Group

EMKA Profiles · SEALING SYSTEMS · FORT Sécurité · ILS Fertigungstechnik · POS Automotive · ROLEZ

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