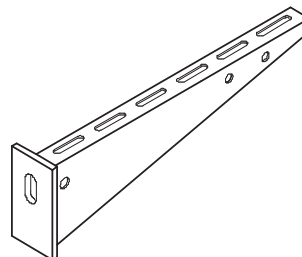
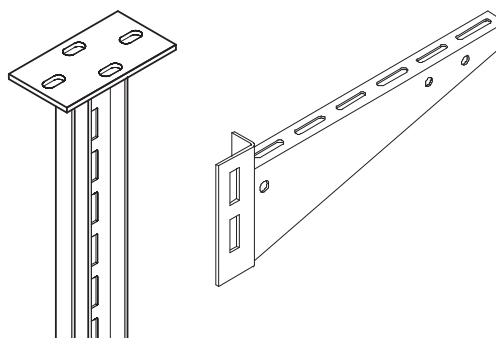


Wandkonsolen/Deckenabhängiger
Brackets/Ceiling fixed suspensions
Consoles/Pendants
Soportes/Soportes techo



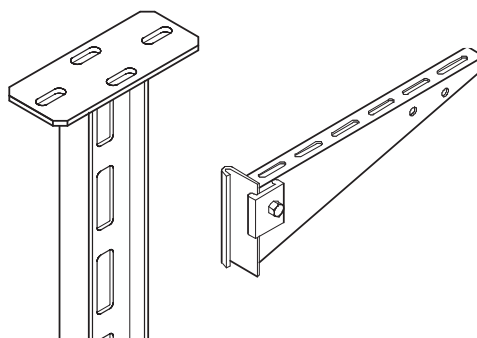
F3 - F7

KSL- / KHU-System
KSL- / KHU-system
KSL- / KHU-système
KSL- / KHU-sistema



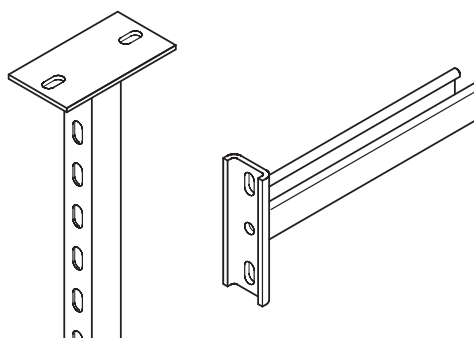
F8 - F20

KHI-System
KHI-system
KHI-système
KHI-sistema



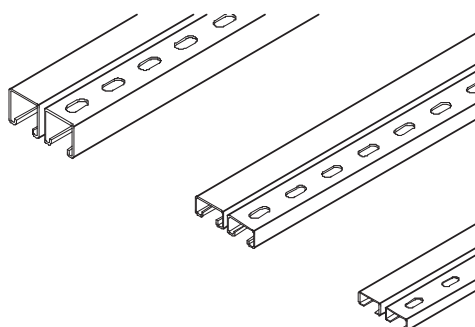
F21 - F26

KHA-System
KHA-system
KHA-système
KHA-sistema



F28 - F39

Ankerschienen
Anchor-rails
Rails d'accrochage
Teleraíles

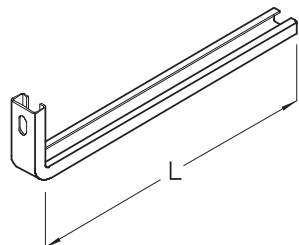


F40 - F44



Wandkonsolen
Brackets
Consoles murales
Soportes horizontales

KWLL



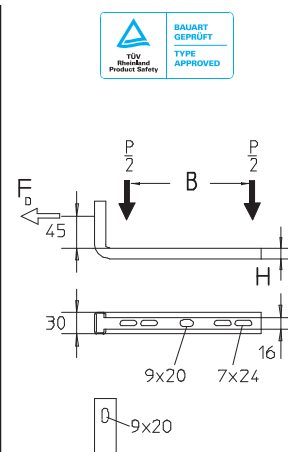
S E

KWLL 010S	110	0,3	100	15	2,0	0,13
KWLL 020S	210	0,3	200	15	3,0	0,20
KWLL 030S	310	0,3	300	15	4,0	0,28
KWLL 010E	110	0,3	100	15	2,0	0,13
KWLL 020E	210	0,3	200	15	3,0	0,20
KWLL 030E	310	0,3	300	15	4,0	0,28

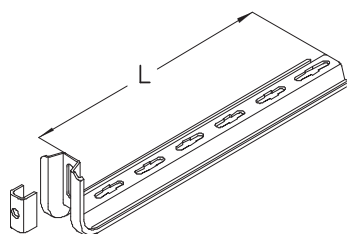


KLR 6x25
SD

G3
G5



KSLW



S F

KSLW 010S	120	3,0	100	20	2,6	0,36
KSLW 015S	170	2,4	150	20	3,3	0,45
KSLW 020S	220	1,9	200	20	4,0	0,53
KSLW 025S	270	1,4	250	20	4,7	0,61
KSLW 030S	320	1,1	300	20	5,4	0,69
KSLW 040S	420	0,8	400	20	6,9	0,86

KSLW 010F	120	3,0	100	20	2,6	0,38
KSLW 015F	170	2,4	150	20	3,3	0,47
KSLW 020F	220	1,9	200	20	4,0	0,56
KSLW 025F	270	1,4	250	20	4,7	0,65
KSLW 030F	320	1,1	300	20	5,4	0,73
KSLW 040F	420	0,8	400	20	6,9	0,92

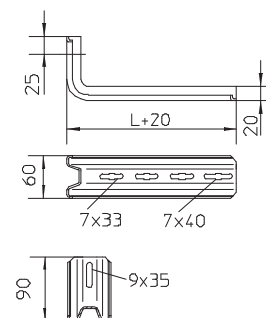
inkl. KSL-SP



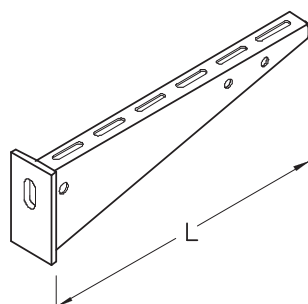
KLU, KLRL 6x16
SD

F9

G3
G5



KW



F E

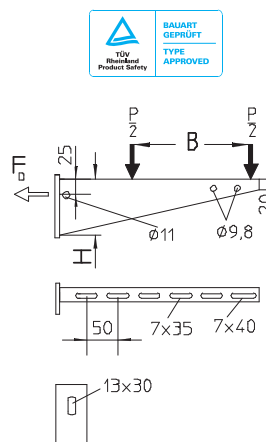
KW 010F	120	1,4	100	34	3,1	0,13
KW 015F	170	1,4	150	34	4,1	0,20
KW 020F	220	2,0	200	56	3,0	0,35
KW 030F	320	2,0	300	56	4,0	0,48
KW 040F	420	2,4	400	75	3,6	0,81
KW 050F	520	2,1	500	96	3,4	1,38
KW 060F	620	2,1	600	96	4,0	1,60

KW 010E	120	1,5	100	34	3,1	0,13
KW 015E	170	1,5	150	34	4,1	0,20
KW 020E	220	1,5	200	56	3,3	0,32
KW 030E	320	1,5	300	56	4,5	0,46
KW 040E	420	2,2	400	75	3,9	0,80
KW 050E	520	2,2	500	95	3,6	1,20
KW 060E	620	2,2	600	95	4,2	1,35



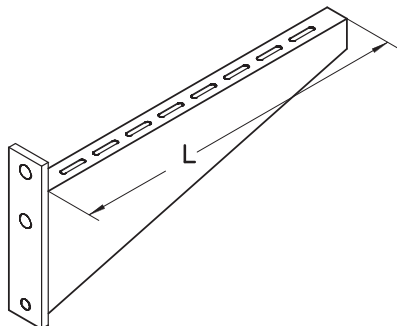
KLR, KLU
SD

G3
G5



Wandkonsolen
Brackets
Consoles murales
Soportes horizontales

KWS



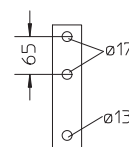
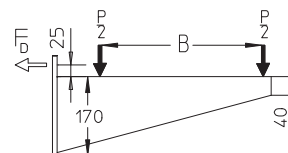
F

	L	P _{max}	B	$\frac{F_D}{P}$	
	mm	kN	mm		kg
KWS 026F	260	7,0	230	1,26	1,70
KWS 036F	360	6,7	330	1,43	2,00
KWS 046F	460	6,5	430	1,63	2,30
KWS 056F	560	6,3	530	1,85	2,80
KWS 066F	660	6,1	630	2,07	3,10
KWS 076F	760	5,2	630	2,55	3,40
KWS 086F	860	4,4	630	3,04	3,70
KWS 096F	960	3,6	630	3,54	4,00
KWS 106F	1060	2,8	630	4,05	4,30

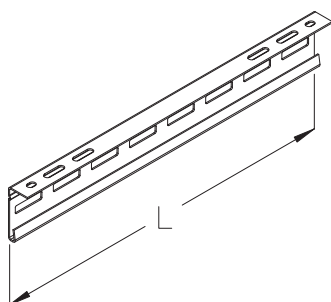


WPHS
KLU
SD


D18
G3
G5



KWW



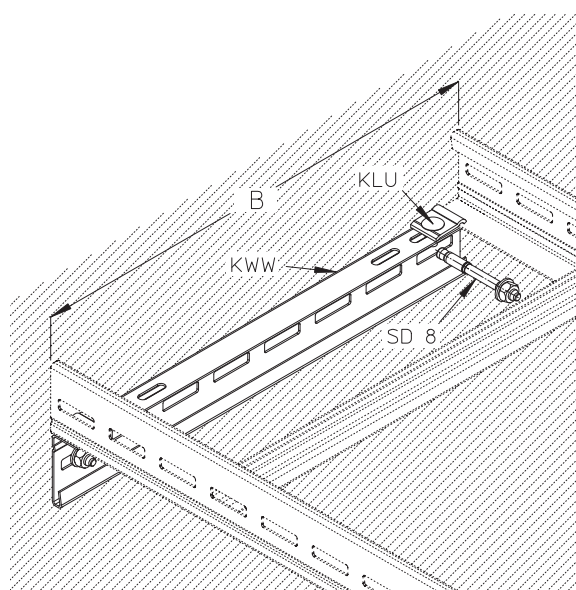
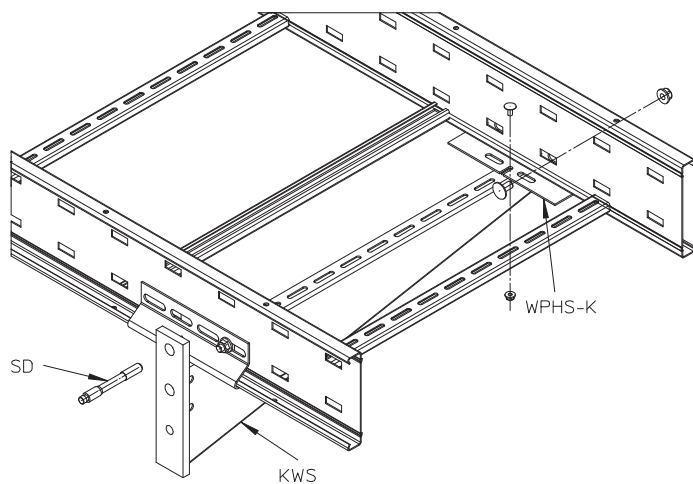
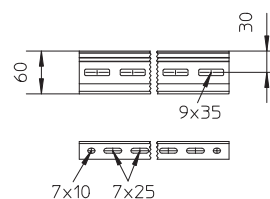
F

	L	P _{max}	B	$\frac{F_D}{P}$	
	mm	kN	mm		kg
KWW 020F	200				0,27
KWW 030F	300				0,40
KWW 040F	400				0,52
KWW 050F	500				0,65
KWW 060F	600				0,78
KWW 070F	700				0,91



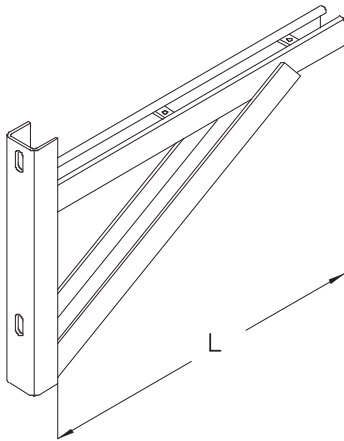
KLU, KLR
SD


G3
G5



Wandkonsolen
Brackets
Consoles murales
Soportes horizontales

KWSS



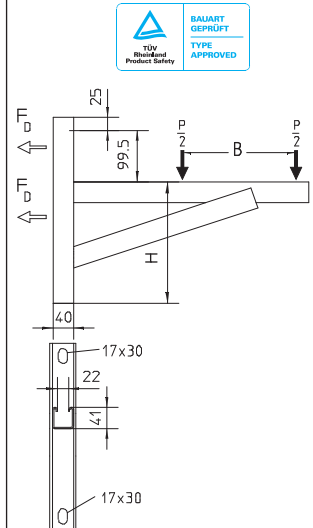
F

	L	P _{max}	B	H	$\frac{F_D}{P}$	
	mm	kN	mm	mm		kg
KWSS 026F	260	10,0	230	166	0,89	2,6
KWSS 036F	360	10,0	330	196	0,89	3,4
KWSS 046F	460	10,0	430	236	0,90	4,2
KWSS 056F	560	10,0	530	266	0,90	5,0
KWSS 066F	660	10,0	630	236	0,91	5,8
KWSS 076F	760	10,0	630	266	0,97	6,5
KWSS 086F	860	10,0	630	301	1,04	7,2
KWSS 096F	960	10,0	630	331	1,09	8,0
KWSS 106F	1060	10,0	630	366	1,14	8,9

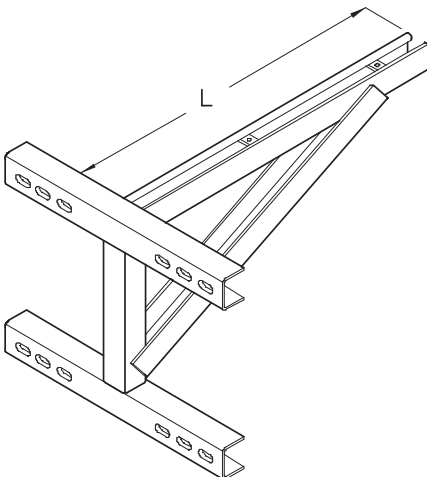


WPHS
SD
VAB
VAS


D18
G5
G6
G6



KISS



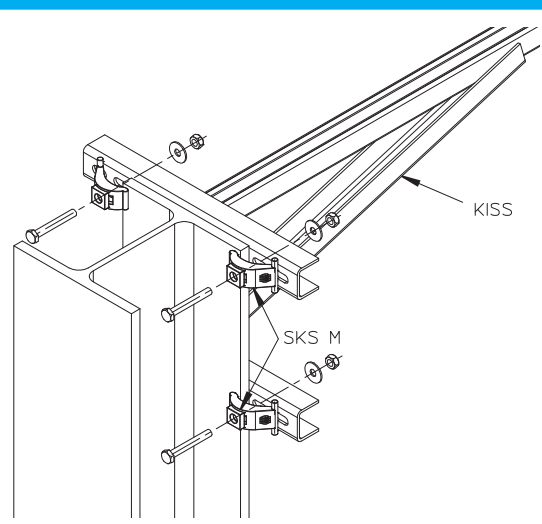
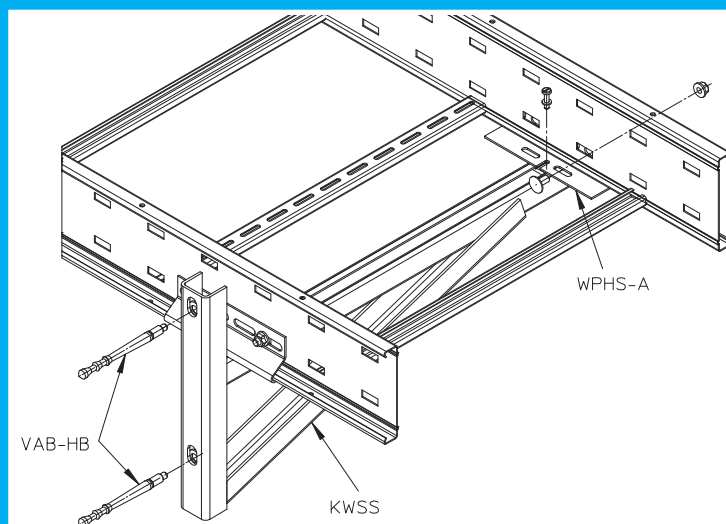
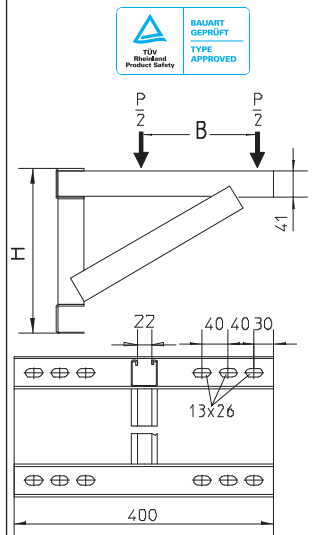
F

	L	P _{max}	B	H	$\frac{F_D}{P}$	
KISS 026F	260	10,0	230	150	0,80	4,5
KISS 036F	360	10,0	330	185	0,90	5,3
KISS 046F	460	10,0	430	215	1,00	6,1
KISS 056F	560	10,0	530	250	1,10	6,8
KISS 066F	660	10,0	630	280	1,80	7,6
KISS 076F	760	10,0	630	315	1,60	8,3
KISS 086F	860	10,0	630	345	1,50	9,1
KISS 096F	960	10,0	630	380	1,50	9,8
KISS 106F	1060	10,0	630	410	1,50	10,6



WPHS
SKS M


D18
F38



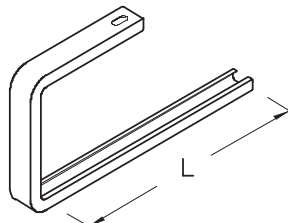


Tragkonstruktions-Systeme
Support systems
Systèmes de supportage
Sistemas autoportantes



Deckenabhängiger
Ceiling fixed suspensions
Console suspendue
Soportes techo

DB



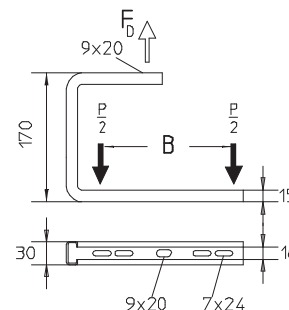
S E

	L	P _{max}	B	$\frac{F_D}{P}$	
	mm	kN	mm		kg
DB 10S	120	0,60	100	1,2	0,25
DB 20S	220	0,40	200	1,1	0,36
DB 30S	320	0,28	300	1,1	0,47
DB 10E	120	0,50	100	1,2	0,30
DB 20E	220	0,35	200	1,1	0,44
DB 30E	320	0,25	300	1,1	0,58

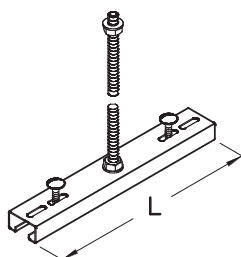


KLR 6x25
SD 8, SAZ 8


G3
G5



GBAR



S E

	L	P _{max}	B	$\frac{F_D}{P}$	
	mm	kN	mm		kg
GBAR 10S	60	0,70	100	1,0	0,62
GBAR 20S	160	0,70	200	1,0	0,75
GBAR 30S	260	0,70	300	1,0	0,88
GBAR 10E	60	0,70	100	1,0	0,62
GBAR 20E	160	0,70	200	1,0	0,75
GBAR 30E	260	0,70	300	1,0	0,88

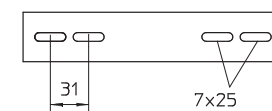
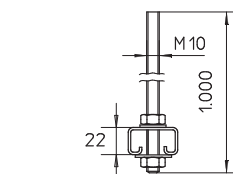
inkl. 1 x GB M10
3 x SEM 10
1 x KLR
1 x US 10x30


G7
G11
G3
G11

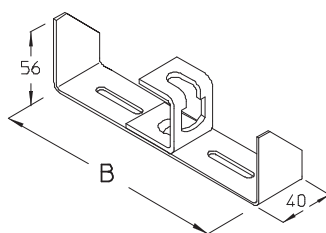


SAZ 10

G5

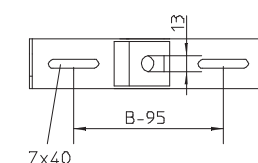


MA 60

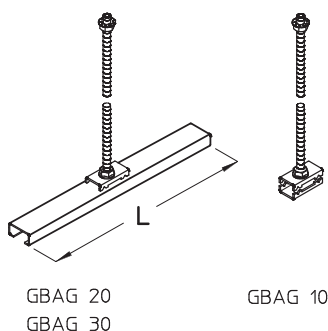


S

	L	P _{max}	B	$\frac{F_D}{P}$
	mm	kN	mm	
MA 60-10S	90	0,26		
MA 60-20S	190	0,36		
MA 60-30S	290	0,45		



GBAG



S E

	L	P _{max}	B	$\frac{F_D}{P}$	
	mm	kN	mm		kg
GBAG 10S		0,50	100	1,0	0,42
GBAG 20S	180	0,50	200	1,0	0,50
GBAG 30S	280	0,50	300	1,0	0,57
GBAG 10E		0,50	100	1,0	0,42
GBAG 20E	180	0,50	200	1,0	0,50
GBAG 30E	280	0,50	300	1,0	0,57

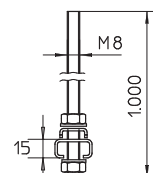
inkl. 1 x GB M8
1 x GV-L 30
3 x SEM 8
1 x US 8x25


G7
A4
G11
G11



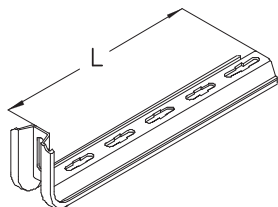
SAZ 8

G5



Konsolen - KSL System
Brackets - KSL system
Consoles - KSL système
Soportes horizontales - KSL sistema

KSL



S F

	L	P _{max}	B	
	mm	kN	mm	kg
KSL 010S	120	3,0	100	0,36
KSL 015S	170	2,4	150	0,45
KSL 020S	220	1,9	200	0,53
KSL 025S	270	1,5	250	0,61
KSL 030S	320	1,1	300	0,69
KSL 040S	420	0,8	400	0,86
KSL 010F	120	3,0	100	0,38
KSL 015F	170	2,4	150	0,47
KSL 020F	220	1,9	200	0,56
KSL 025F	270	1,5	250	0,65
KSL 030F	320	1,1	300	0,73
KSL 040F	420	0,8	400	0,92

inkl. FRS 8x20
SEMS M8

→ KLRL 6x16



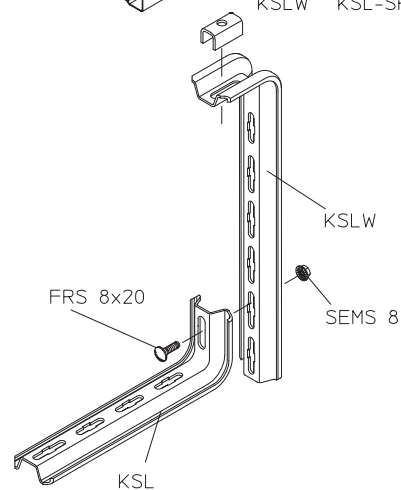
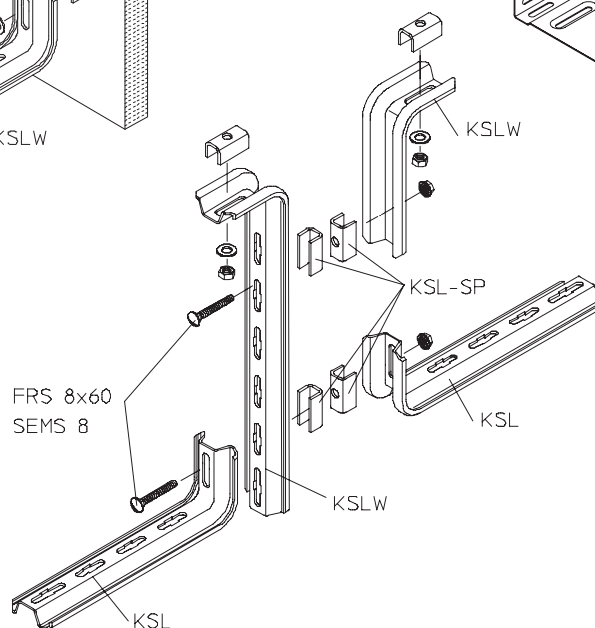
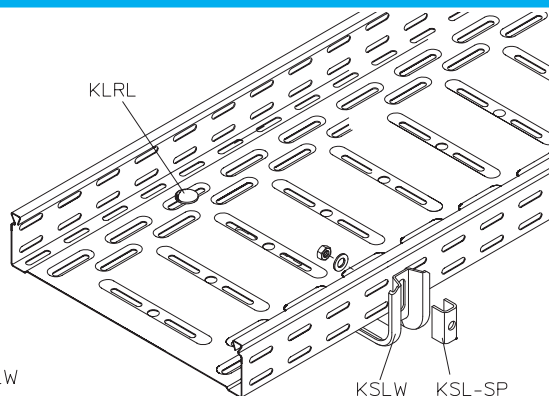
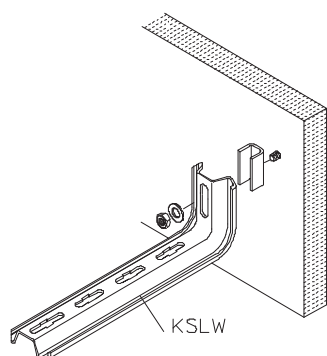
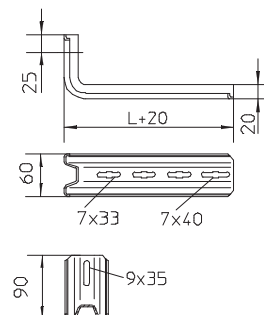
kg



G8

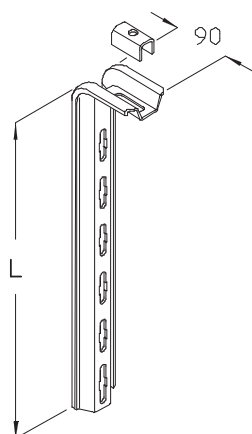
G11

G3



Konsolen - KSL System
Brackets - KSL system
Consoles - KSL système
Soportes horizontales - KSL sistema

KSLW



S F

	L	P _{max}	B	$\frac{F_D}{P}$	
	mm	kN	mm		kg
KSLW 020S	220				0,53
KSLW 025S	270				0,61
KSLW 030S	320				0,69
KSLW 040S	420				0,86
KSLW 050S	520				1,03
KSLW 060S	620				1,18

KSLW 020F	220				0,56
KSLW 025F	270				0,65
KSLW 030F	320				0,73
KSLW 040F	420				0,92
KSLW 050F	520				1,10
KSLW 060F	620				1,26

inkl. KSL-SP

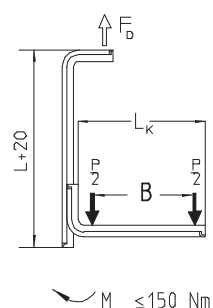


SD 8



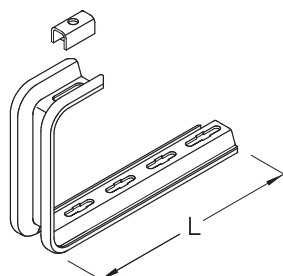
F9

G5



B	L _k	P _{max}	$\frac{F_D}{P}$
mm	mm	kN	
100	120	0,9	3,1
150	170	0,7	3,8
200	220	0,5	4,5
300	320	0,4	5,9
400	420	0,3	7,4

DKSL



S F

DKSL 010S	120	0,9	100	3,1	0,59
DKSL 020S	220	0,5	200	2,1	0,76
DKSL 030S	320	0,4	300	2,7	0,91
DKSL 040S	420	0,3	400	3,3	1,08

DKSL 010F	120	0,9	100	3,1	0,63
DKSL 020F	220	0,5	200	2,1	0,81
DKSL 030F	320	0,4	300	2,7	0,97
DKSL 040F	420	0,3	400	3,3	1,15

inkl. KSL-SP



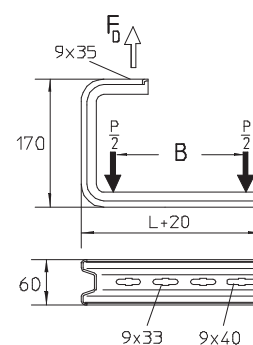
KLRL 6x16, KLU
SD 8, SAZ 8



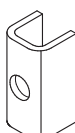
F9

G3

G5



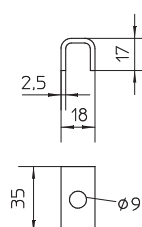
KSL-SP



S F

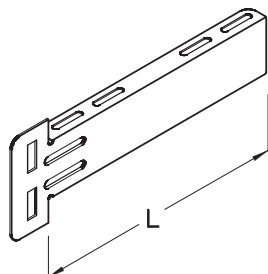
KSL-SP S 0,028

KSL-SP F 0,030



Konsolen - KHU System
Brackets - KHU system
Consoles - KHU système
Soportes horizontales - KHU sistema

KUL



S

	L	P _{max}	B	H	
	mm	kN	mm	mm	kg
KUL 010S	110	0,85	100	60	0,16
KUL 015S	160	0,85	150	60	0,21
KUL 020S	210	0,85	200	60	0,27
KUL 030S	310	0,85	300	60	0,37

inkl. 1 x KLS 10x20

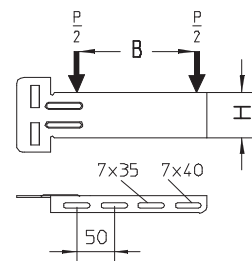


KLR, KLU

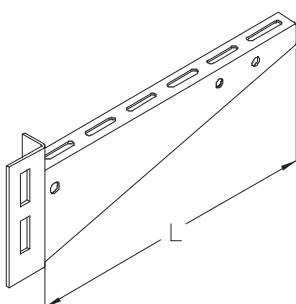


G8

G3



KUM



F E

KUM 010F	120	1,1	100	35	0,20
KUM 015F	170	1,1	150	35	0,23
KUM 020F	220	2,3	200	56	0,38
KUM 030F	320	2,3	300	56	0,50
KUM 040F	420	2,1	400	75	0,85
KUM 050F	520	2,1	500	96	1,15
KUM 060F	620	2,1	600	96	1,31

KUM 010E	120	1,0	100	35	0,20
KUM 020E	220	1,5	200	56	0,37
KUM 030E	320	1,5	300	56	0,47
KUM 040E	420	2,1	400	75	0,81
KUM 050E	520	1,1	500	95	1,10
KUM 060E	620	1,1	600	95	1,25

inkl. 1 x KLS 10x20

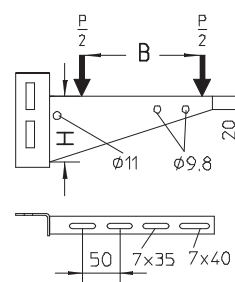


KLU, KLR

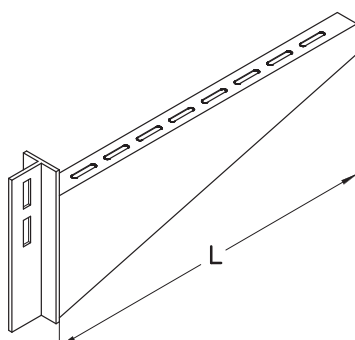


G8

G3



KUS



F

KUS 026F	260	8,1	230	163	1,5
KUS 036F	360	7,2	330	163	1,8
KUS 046F	460	6,5	430	163	2,1
KUS 056F	560	5,7	530	163	2,4
KUS 066F	660	5,0	630	163	2,7
KUS 076F	760	4,2	730	163	3,0
KUS 086F	860	3,5	830	163	3,2
KUS 096F	960	2,7	930	163	3,5
KUS 106F	1060	2,0	1030	163	3,8

inkl. 2 x KLS 10x20

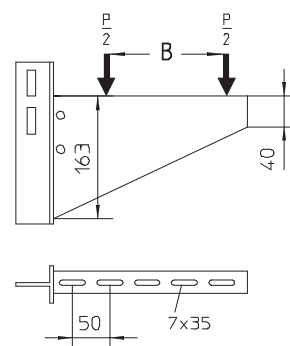


KLU



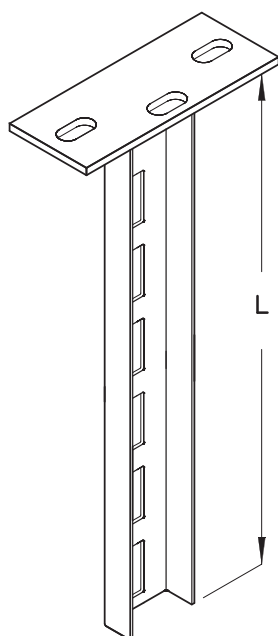
G8

G3



Konsolhalter - KHU System
Bracket support - KHU system
Pendart - KHU système
Soportes verticales - KHU sistema

KDU 50



F E

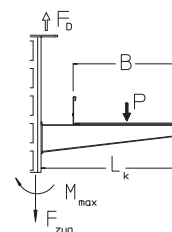
	L	
	mm	kg
KDU 50-02F	200	0,62
KDU 50-03F	300	0,77
KDU 50-04F	400	0,91
KDU 50-05F	500	1,06
KDU 50-06F	600	1,20
KDU 50-07F	700	1,35
KDU 50-08F	800	1,49
KDU 50-09F	900	1,64
KDU 50-10F	1000	1,78

KDU 50-02E	200	0,62
KDU 50-03E	300	0,77
KDU 50-04E	400	0,91
KDU 50-05E	500	1,06
KDU 50-06E	600	1,20
KDU 50-07E	700	1,35
KDU 50-08E	800	1,49
KDU 50-09E	900	1,64
KDU 50-10E	1000	1,78



KUL, KUM
SD
SU 50/22

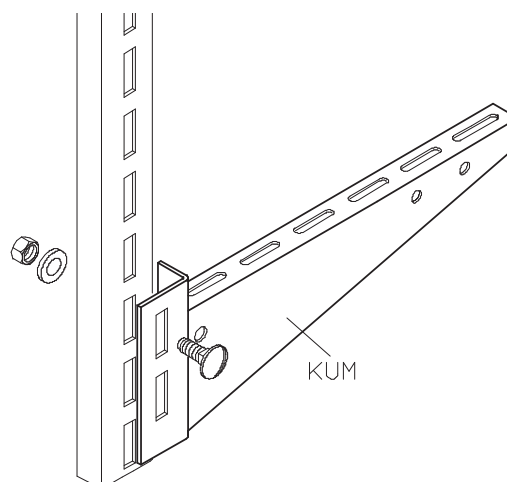
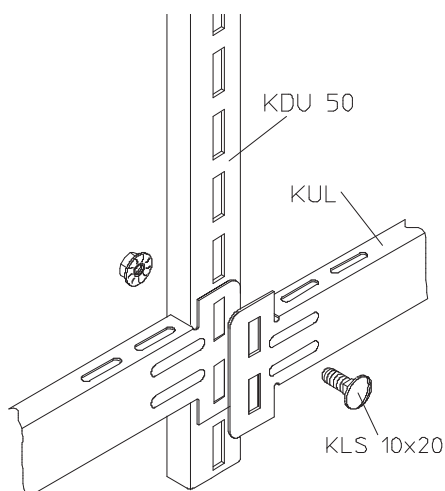
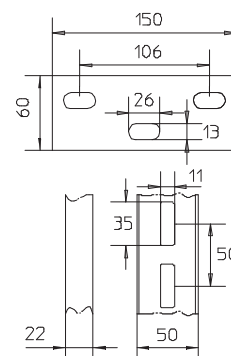
F10
G5
F13



$$M_{\max} = 365 \text{ Nm}$$

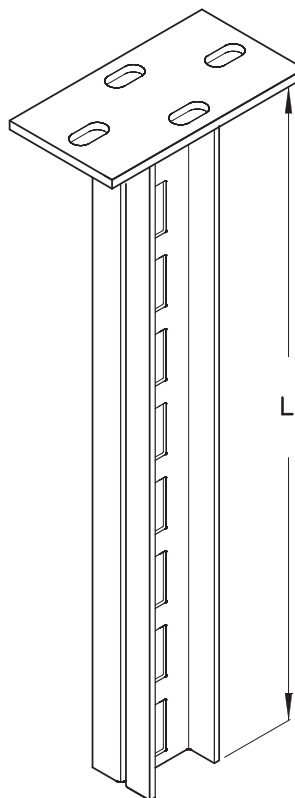
$$F_{\text{zug}} = 10 \text{ kN}$$

B	L _k	P _{max}	$\frac{F_D}{P}$
mm	mm	kN	
100	120	3,8	1,4
200	220	2,5	1,9
300	320	1,9	2,3
400	420	1,5	2,8
500	520	1,2	3,3
600	620	1,1	3,8



Konsolhalter - KHU System
Bracket support - KHU system
Pendart - KHU système
Soportes verticales - KHU sistema

KDU 52



F E

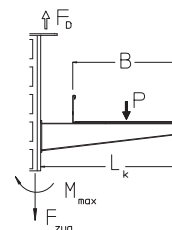
	L	
	mm	kg
KDU 52-02F	200	1,12
KDU 52-03F	300	1,41
KDU 52-04F	400	1,70
KDU 52-05F	500	1,99
KDU 52-06F	600	2,28
KDU 52-07F	700	2,57
KDU 52-08F	800	2,86
KDU 52-09F	900	3,15
KDU 52-10F	1000	3,44
KDU 52-11F	1100	3,73
KDU 52-12F	1200	4,02
KDU 52-13F	1300	4,31
KDU 52-14F	1400	4,60
KDU 52-15F	1500	4,89

KDU 52-02E	200	1,12
KDU 52-03E	300	1,41
KDU 52-04E	400	1,70
KDU 52-05E	500	1,99
KDU 52-06E	600	2,28
KDU 52-07E	700	2,57
KDU 52-08E	800	2,86
KDU 52-09E	900	3,15
KDU 52-10E	1000	3,44
KDU 52-11E	1100	3,73
KDU 52-12E	1200	4,02
KDU 52-13E	1300	4,31
KDU 52-14E	1400	4,60
KDU 52-15E	1500	4,89



DS
KUL, KUM
SD
SU 50/22

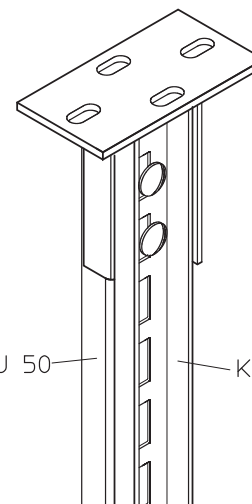
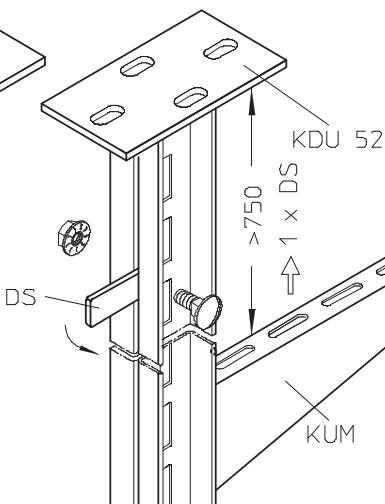
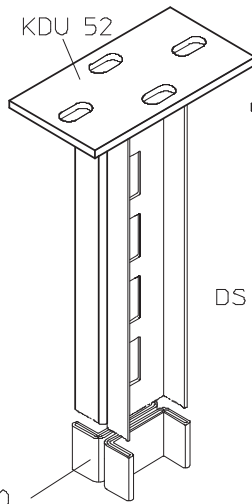
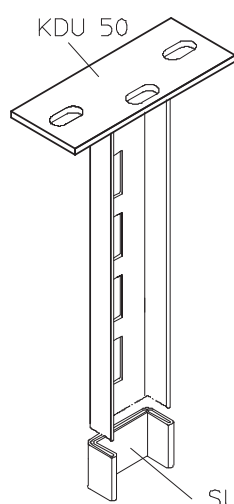
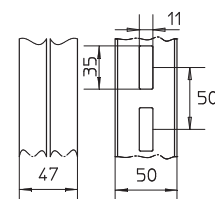
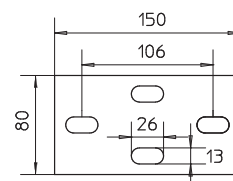
F14
F10
G5
F13



$M_{\max} = 900 \text{ Nm}$
 $F_{\text{zug}} = 10 \text{ kN}$

B	L _k	P _{max}	$\frac{F_D}{P}$
mm	mm	kN	

100	120	7,2	1,4
200	220	4,7	1,9
300	320	3,5	2,3
400	420	2,8	2,8
500	520	2,3	3,3
600	620	2,0	3,8



BGU 50

Konsolhalter - KHU System
Bracket support - KHU system
Pendart - KHU système
Soportes verticales - KHU sistema

KHU 50



S F E

	L mm	kg
KHU 50-02S	200	0,29
KHU 50-03S	300	0,44
KHU 50-04S	400	0,58
KHU 50-05S	500	0,73
KHU 50-06S	600	0,87
KHU 50-07S	700	1,02
KHU 50-08S	800	1,16
KHU 50-09S	900	1,31
KHU 50-10S	1000	1,45
KHU 50-30S	3000	4,35
KHU 50-60S	6000	8,71

KHU 50-02F	200	0,31
KHU 50-03F	300	0,47
KHU 50-04F	400	0,62
KHU 50-05F	500	0,78
KHU 50-06F	600	0,93
KHU 50-07F	700	1,09
KHU 50-08F	800	1,24
KHU 50-09F	900	1,40
KHU 50-10F	1000	1,55
KHU 50-30F	3000	4,65
KHU 50-60F	6000	9,32

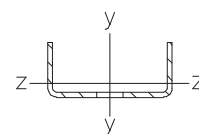
KHU 50-30E	3000	4,35
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KUL, KUM
BL 4
LV 50
BGUD, BGUDW



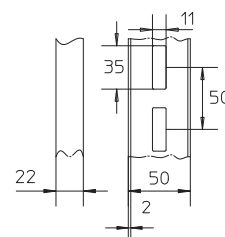
F10
F16
F18
F16



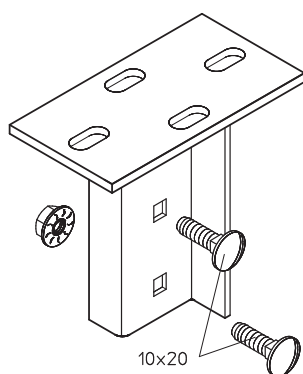
$$A_q = 1,52 \text{ cm}^2$$

$$W_y = 2,67 \text{ cm}^3$$

$$W_z = 0,48 \text{ cm}^3$$



BGU 50



F E

BGU 50F	0,85
---------	------

BGU 50E	0,83
---------	------

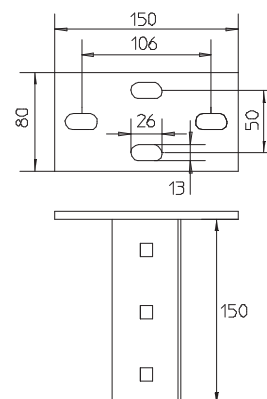
inkl. 2 x KLS 10x20



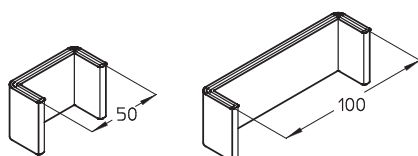
SD



G8
G5



SU

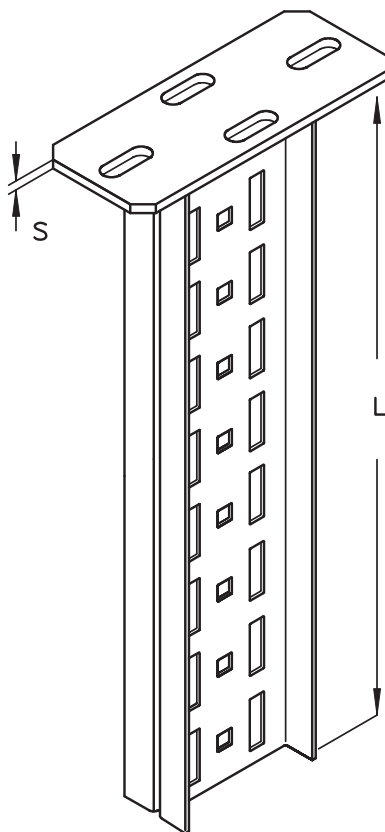


PE

SU 50/22	0,01
SU 100	0,02

Konsolhalter - KHU System
Bracket support - KHU system
Pendart - KHU système
Soportes verticales - KHU sistema

KDU 102



F E

	L	S	
	mm	mm	kg
KDU 102-02F	200	6	1,56
KDU 102-03F	300	6	1,99
KDU 102-04F	400	6	2,42
KDU 102-05F	500	6	2,84
KDU 102-06F	600	6	3,27
KDU 102-07F	700	6	3,70
KDU 102-08F	800	6	4,13
KDU 102-09F	900	6	4,56
KDU 102-10F	1000	6	4,98
KDU 102-11F	1100	8	5,66
KDU 102-12F	1200	8	6,09
KDU 102-13F	1300	8	6,51
KDU 102-14F	1400	8	6,94
KDU 102-15F	1500	8	7,37
KDU 102-16F	1600	8	7,80
KDU 102-17F	1700	8	8,23
KDU 102-18F	1800	8	8,65
KDU 102-19F	1900	8	9,08
KDU 102-20F	2000	8	9,51

KDU 102-02E	200	6	1,56
KDU 102-03E	300	6	1,99
KDU 102-04E	400	6	2,42
KDU 102-05E	500	6	2,84
KDU 102-06E	600	6	3,27
KDU 102-07E	700	6	3,70
KDU 102-08E	800	6	4,13
KDU 102-09E	900	6	4,56
KDU 102-10E	1000	6	4,98
KDU 102-11E	1100	6	5,66
KDU 102-12E	1200	6	6,09
KDU 102-13E	1300	6	6,51
KDU 102-14E	1400	6	6,94
KDU 102-15E	1500	6	7,37
KDU 102-16E	1600	6	7,80
KDU 102-17E	1700	6	8,23
KDU 102-18E	1800	6	8,65
KDU 102-19E	1900	6	9,08
KDU 102-20E	2000	6	9,51



KUL, KUM, KUS
SD
SU 100



F10
G5
F13

F E

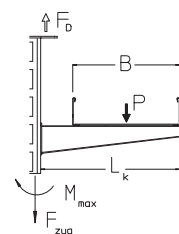
DS F
DS E

0,05
0,03

inkl. 1 x KLS 10x20



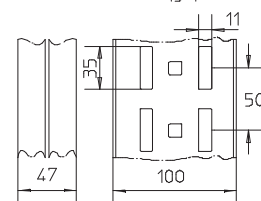
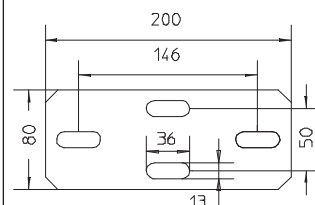
G8



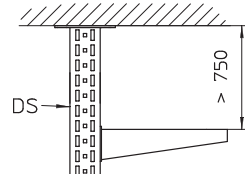
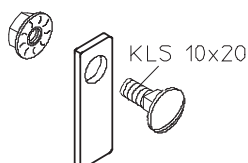
$M_{max} = 1700 \text{ Nm}$

$F_{zug} = 20 \text{ kN}$

B	L _k	P _{max}	$\frac{F_D}{P}$
mm	mm	kN	
100	120	14,2	1,3
200	220	10,0	1,7
300	320	7,7	2,0
400	420	6,3	2,3
500	520	5,3	2,7
600	620	4,6	3,0

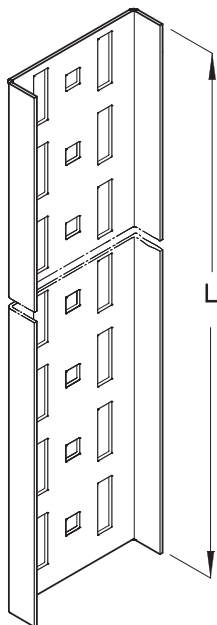


DS



Konsolhalter - KHU System
Bracket support - KHU system
Pendart - KHU système
Soportes verticales - KHU sistema

KHU 100

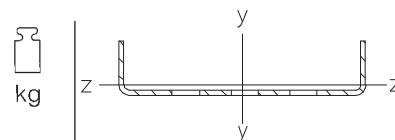


S F E

	L mm	kg
KHU 100-02S	200	0,38
KHU 100-03S	300	0,57
KHU 100-04S	400	0,76
KHU 100-05S	500	0,95
KHU 100-06S	600	1,14
KHU 100-07S	700	1,32
KHU 100-08S	800	1,51
KHU 100-09S	900	1,70
KHU 100-10S	1000	1,89
KHU 100-11S	1100	2,08
KHU 100-12S	1200	2,27
KHU 100-13S	1300	2,46
KHU 100-14S	1400	2,64
KHU 100-15S	1500	2,83
KHU 100-30S	3000	5,67
KHU 100-60S	6000	11,34
KHU 100-02F	200	0,42
KHU 100-03F	300	0,63
KHU 100-04F	400	0,84
KHU 100-05F	500	1,05
KHU 100-06F	600	1,25
KHU 100-07F	700	1,46
KHU 100-08F	800	1,67
KHU 100-09F	900	1,88
KHU 100-10F	1000	2,09
KHU 100-11F	1100	2,30
KHU 100-12F	1200	2,51
KHU 100-13F	1300	2,72
KHU 100-14F	1400	2,93
KHU 100-15F	1500	3,14
KHU 100-30F	3000	6,27
KHU 100-60F	6000	12,54
KHU 100-30E	3000	5,70



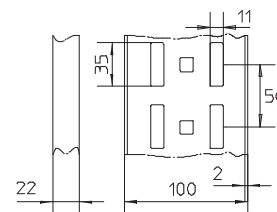
LV 100
BL 4



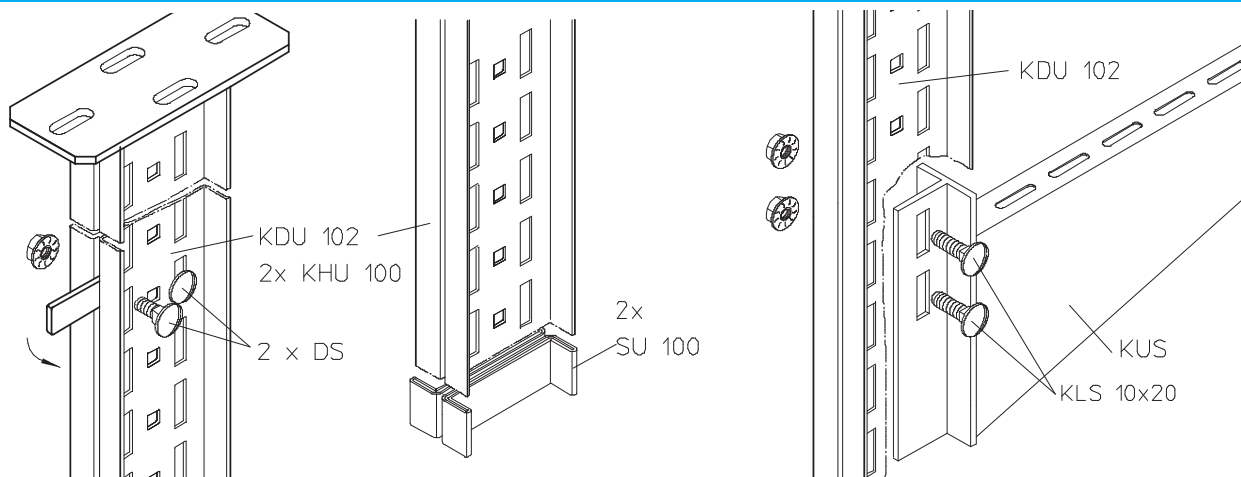
$$A_d = 2,10 \text{ cm}^2$$

$$W_y = 6,61 \text{ cm}^3$$

$$W_z = 0,52 \text{ cm}^3$$

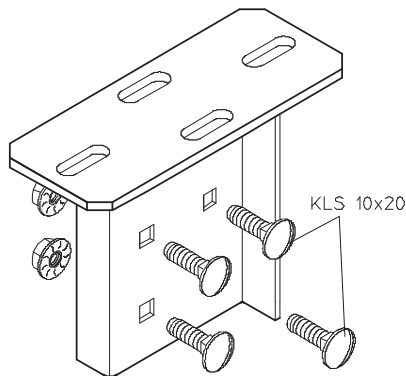


F18
F16

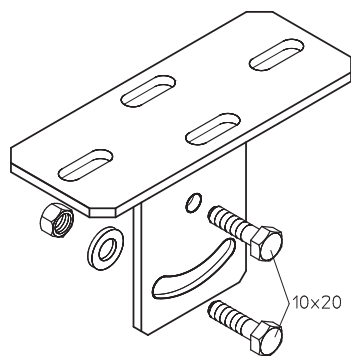


Kopfplatten - KHU System
Head plates - KHU system
Plaques de têtes - KHU système
Placa soportes - KHU sistema

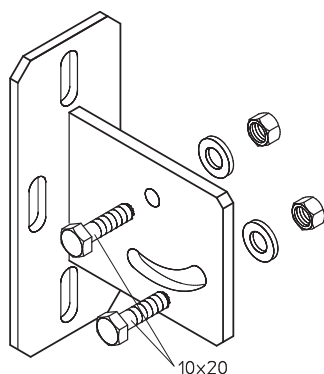
BGU 100



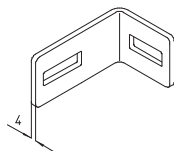
BGUD



BGUDW



BL 4



F E

BGU 100F
BGU 100E

inkl. 4 x KLS 10x20



SD

F E

BGUD F
BGUD E

inkl. 2 x SES 10x20
2 x US 10x21
2 x SEM 10



SD

F

BGUDW F

inkl. 2 x SES 10x20F
2 x US 10x21F
2 x SEM 10F



SD

F E

BL 4F
BL 4E



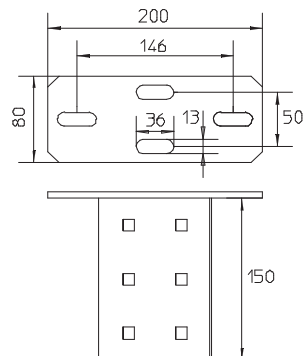
KLS 10x20
SD

kg

1,5
1,4

G8

G5



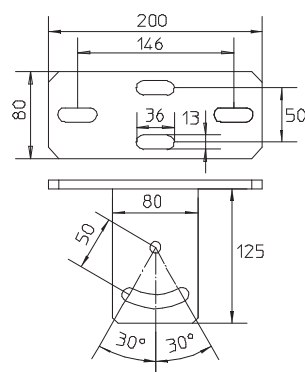
1,3
1,4

G9

G10

G11

G5



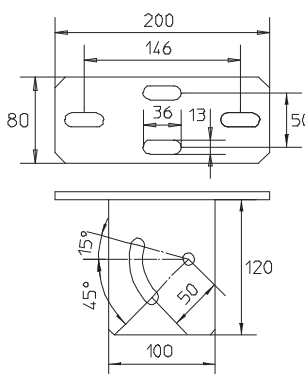
1,4

G9

G10

G11

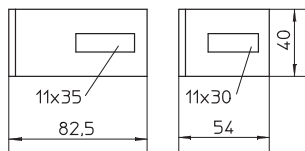
G5



0,15
0,15

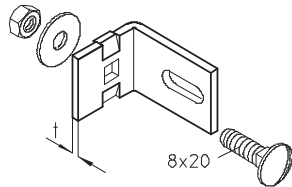
G8

G5

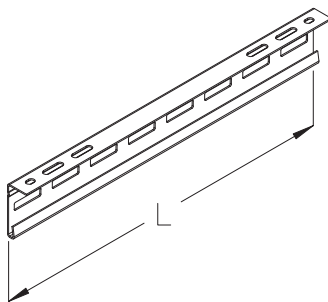


KHU System
KHU system
KHU système
KHU sistema

BL 6



KWW



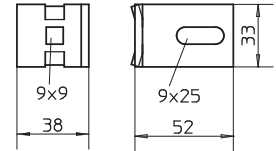
L	B	t	
mm	mm	mm	kg

S F E

BL 6S	4	0,05
BL 6F	4	0,05
BL 6E	3	0,05

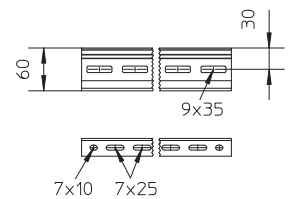
inkl. 1 x FRS 8x20
1 x US 8x25
1 x SEM 8

G8
G11
G11



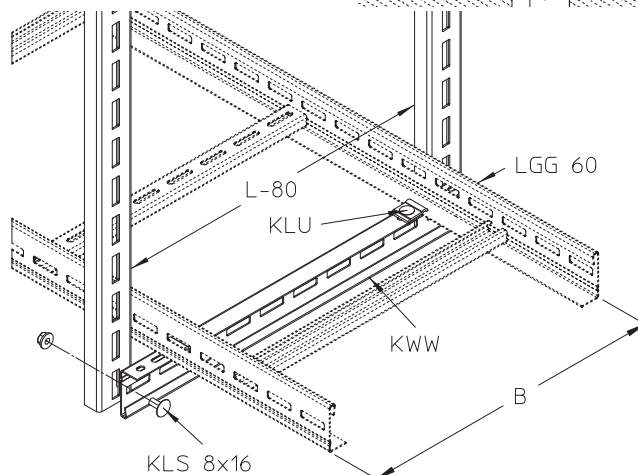
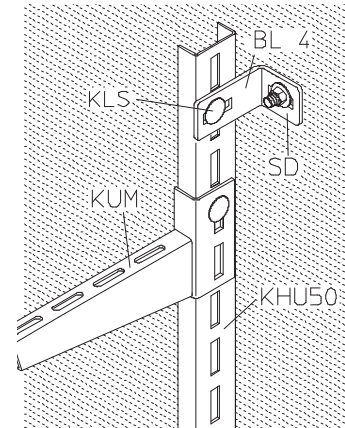
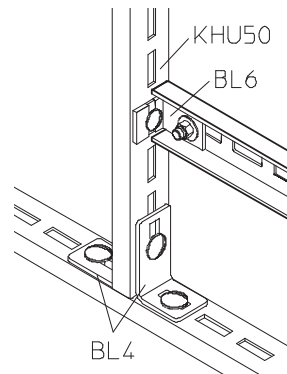
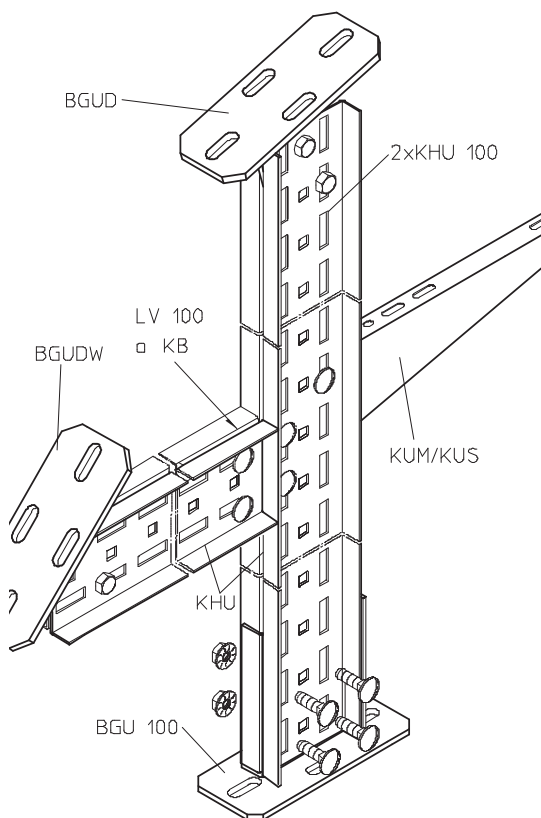
F

KWW 020F	200	100	0,27
KWW 030F	300	200	0,40
KWW 040F	400	300	0,52
KWW 050F	500	400	0,65
KWW 060F	600	500	0,78
KWW 070F	700	600	0,91



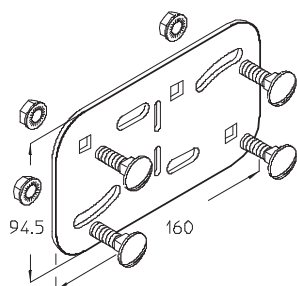
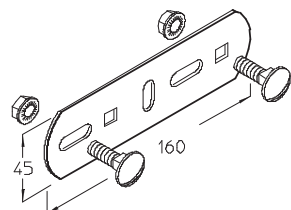
KLU
KLR

G3
G3



KHU System
KHU system
KHU système
KHU sistema

LV



S F E

LV 50S
LV 50F
LV 50E

inkl. 2 x KLS 8x16



KHU 50
KDU 50
KDU 52

LV 100S
LV 100F
LV 100E



2 x/4 x KLS 8x16

KDU 102
KHU 100

kg

0,1
0,1
0,1

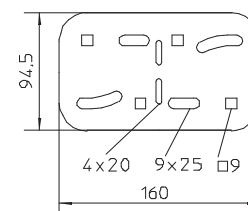
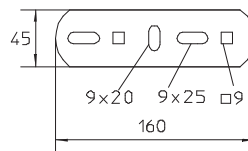
G8

F13
F11
F12

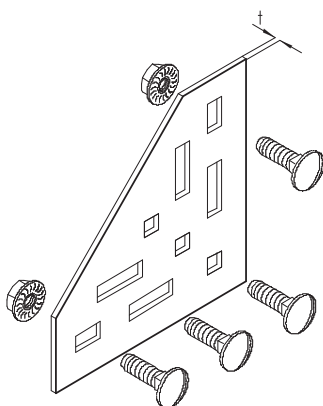
0,2
0,2
0,2

G8

F14
F15



KB



F E

KB F
KB E

inkl. 4 x KLS 10x20

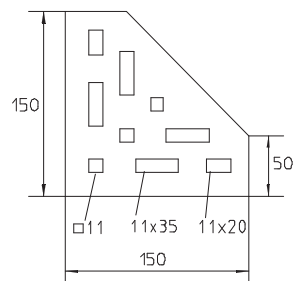


KHU 50
KHU 100

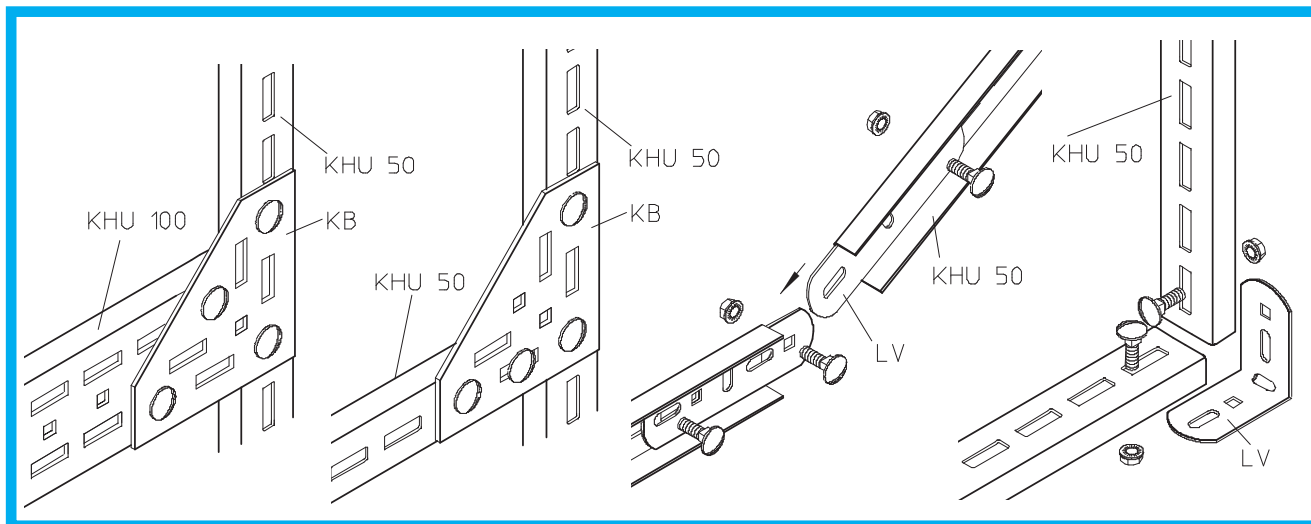
0,4
0,4

G8

F13
F15

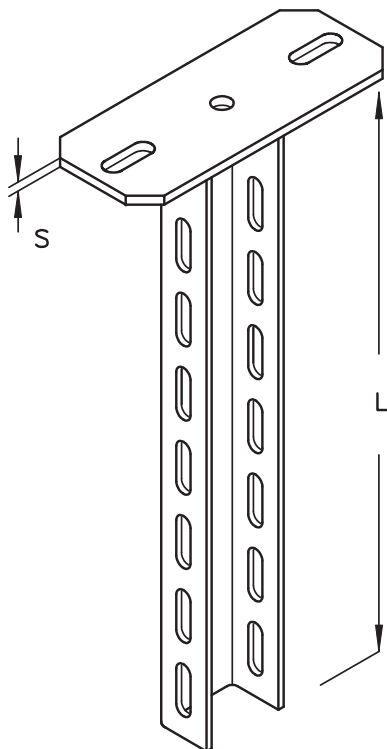


KB F: S = 3,0
KB E: S = 2,0



Konsolhalter - KHU System
Bracket support - KHU system
Pendart - KHU système
Soportes verticales - KHU sistema

KDU 60



F E

	L	S	
	mm	mm	kg
KDU 60-02F	200	6	1,4
KDU 60-03F	300	6	1,8
KDU 60-04F	400	6	2,1
KDU 60-05F	500	6	2,5
KDU 60-06F	600	6	2,8
KDU 60-07F	700	6	3,2
KDU 60-08F	800	6	3,5
KDU 60-09F	900	6	3,9
KDU 60-10F	1000	6	4,2
KDU 60-11F	1100	8	4,8
KDU 60-12F	1200	8	5,2
KDU 60-13F	1300	8	5,5
KDU 60-14F	1400	8	5,9
KDU 60-15F	1500	8	6,3
KDU 60-16F	1600	8	6,6
KDU 60-17F	1700	8	7,0
KDU 60-18F	1800	8	7,3
KDU 60-19F	1900	8	7,7
KDU 60-20F	2000	8	8,0

	L	S	
	mm	mm	kg
KDU 60-02E	200	6	1,4
KDU 60-03E	300	6	1,8
KDU 60-04E	400	6	2,1
KDU 60-05E	500	6	2,5
KDU 60-06E	600	6	2,8
KDU 60-07E	700	6	3,2
KDU 60-08E	800	6	3,5
KDU 60-09E	900	6	3,9
KDU 60-10E	1000	6	4,2
KDU 60-11E	1100	6	4,8
KDU 60-12E	1200	6	5,2
KDU 60-13E	1300	6	5,5
KDU 60-14E	1400	6	5,9
KDU 60-15E	1500	6	6,3
KDU 60-16E	1600	6	6,6
KDU 60-17E	1700	6	7,0
KDU 60-18E	1800	6	7,3
KDU 60-19E	1900	6	7,7
KDU 60-20E	2000	6	8,0



KW
KWS
SD
SU 60

F3
F4
G5
F19

SU 60

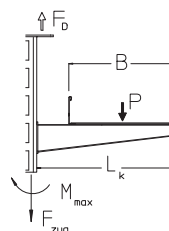
0,02

F E

KHUV 60F	0,7
KHUV 60E	0,7

inkl. 4 x KLS 10x20

G8

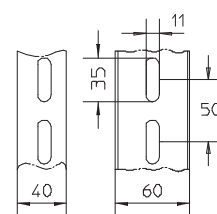
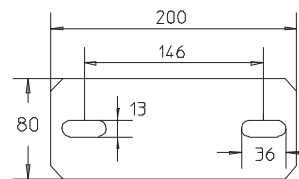


$$L \leq 1000: M_{\max} = 1000 \text{ Nm}$$

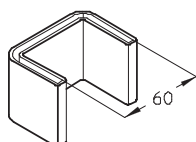
$$L > 1000: M_{\max} = 1250 \text{ Nm}$$

$$F_{\text{zug}} = 16 \text{ kN}$$

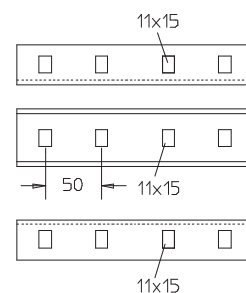
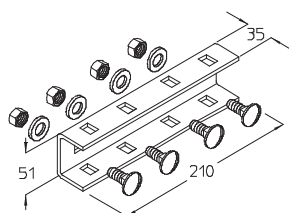
B	Lk	Pmax L>1000	Pmax L<1000	F _D P
mm	mm	kN	kN	
100	120	19,3	12,5	1,2
200	220	12,9	8,3	1,5
300	320	9,7	6,2	1,9
400	420	7,7	5,0	2,2
500	520	6,4	4,2	2,6
600	620	5,5	3,6	2,9



SU 60

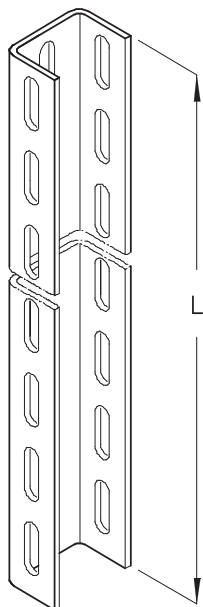


KHUV

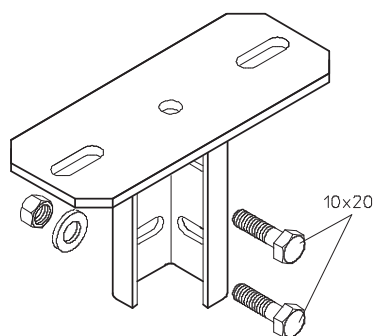


Konsolhalter - KHU System
Bracket support - KHU system
Pendart - KHU système
Soportes verticales - KHU sistema

KHU 60



BGU 60



F E

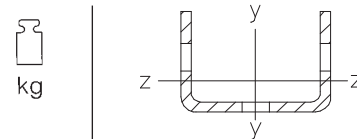
	L	
	mm	kg
KHU 60-02F	200	0,7
KHU 60-03F	300	1,1
KHU 60-04F	400	1,4
KHU 60-05F	500	1,8
KHU 60-06F	600	2,1
KHU 60-07F	700	2,5
KHU 60-08F	800	2,8
KHU 60-09F	900	3,2
KHU 60-10F	1000	3,5
KHU 60-11F	1100	3,9
KHU 60-12F	1200	4,2
KHU 60-13F	1300	4,6
KHU 60-14F	1400	4,9
KHU 60-15F	1500	5,3
KHU 60-20F	2000	7,0
KHU 60-30F	3000	10,5
KHU 60-60F	6000	21,1
KHU 60-30E	3000	10,5



SU 60

F E

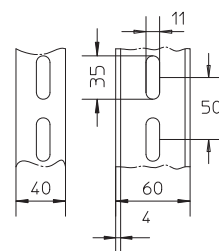
BGU 60F	1,2
BGU 60E	1,2
inkl.	4 x SES 10x20 4 x SEM 10 4 x US 10x21



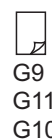
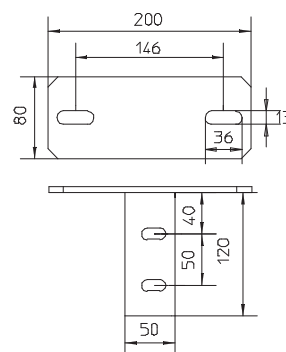
$$A_q = 3,75 \text{ cm}^2$$

$$W_y = 7,03 \text{ cm}^3$$

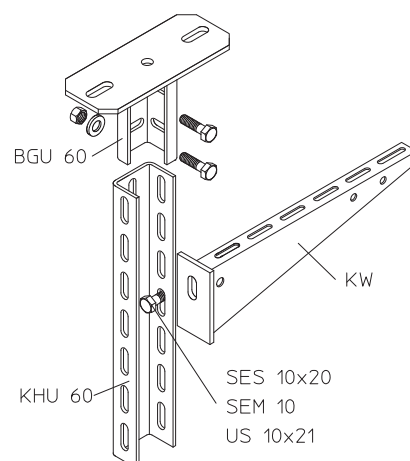
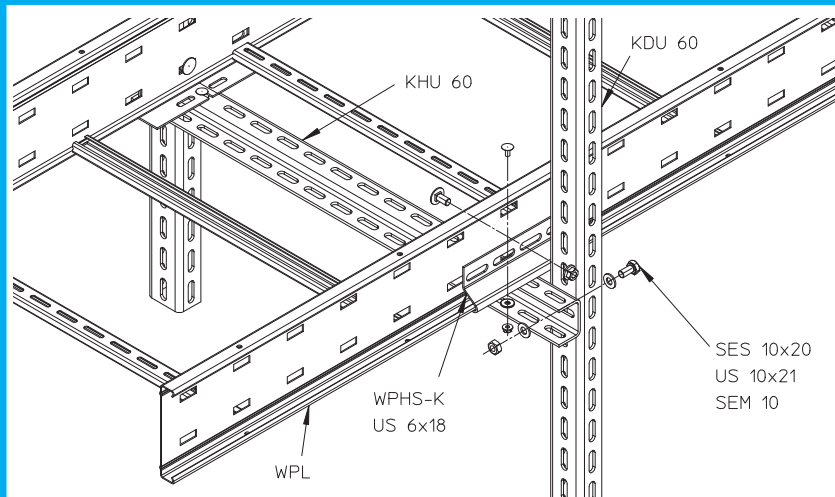
$$W_z = 2,47 \text{ cm}^3$$



F19

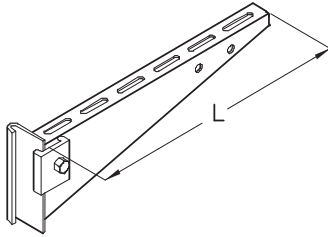


G9
G11
G10



Konsolen - KHI System
Brackets - KHI system
Consoles - KHI système
Soportes horizontales - KHI sistema

KT

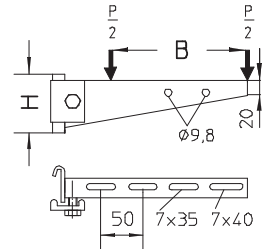


F

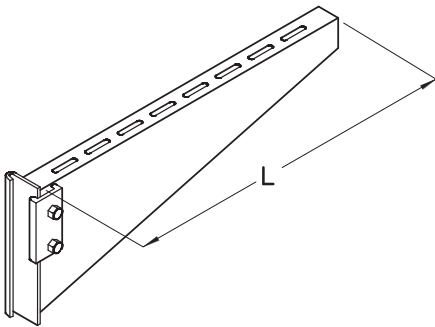
	L	P _{max}	B	H	
	mm	kN	mm	mm	kg
KT 010F	120	2,0	100	50	0,2
KT 020F	220	2,0	200	70	0,5
KT 030F	320	2,0	300	70	0,6
KT 040F	420	2,0	400	90	0,9
KT 050F	520	2,0	500	110	1,5
KT 060F	620	2,1	600	110	1,7



KLU, KLR



KTS



F

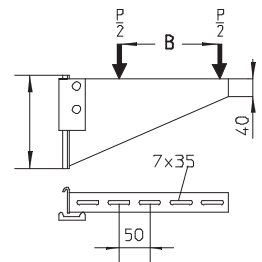
KTS 026F	260	7,0	230	180	1,4
KTS 036F	360	6,3	330	180	1,7
KTS 046F	460	5,5	430	180	2,0
KTS 056F	560	4,9	530	180	2,3
KTS 066F	660	4,3	630	180	2,6
KTS 076F	760	3,6	630	180	2,9
KTS 086F	860	3,0	630	180	3,2
KTS 096F	960	2,3	630	180	3,5
KTS 106F	1060	1,7	630	180	3,8



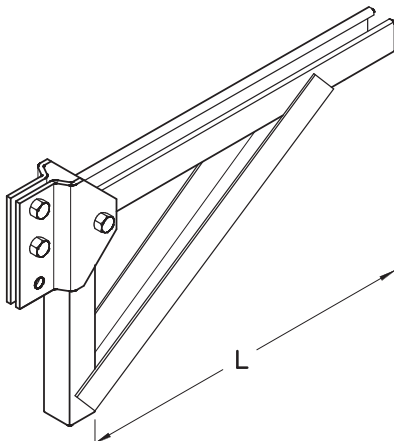
KLU
WPHS



D18



KTSS



F

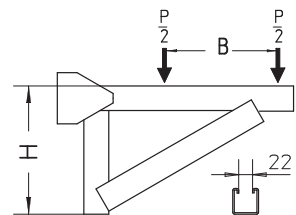
KTSS 026F	260	12,0	230	100	3,5
KTSS 036F	360	12,0	330	135	4,2
KTSS 046F	460	12,0	430	165	4,9
KTSS 056F	560	12,0	530	200	5,6
KTSS 066F	660	12,0	630	230	6,3



WPHS

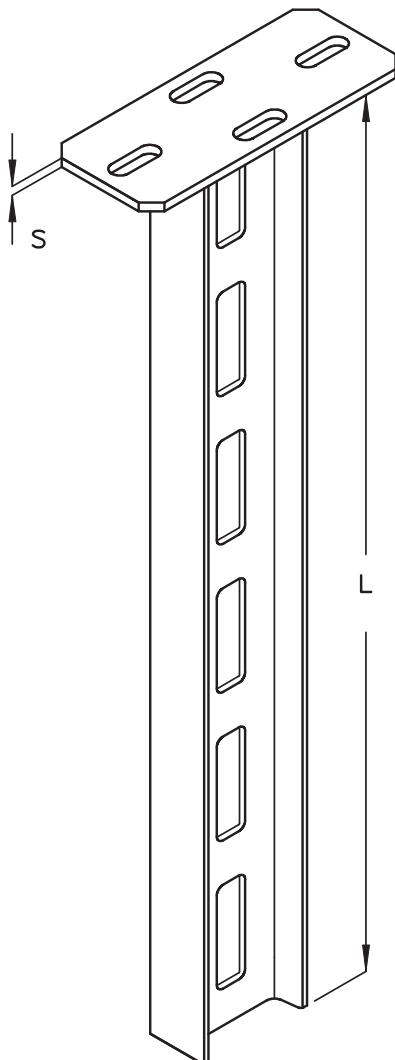


D18



Konsolhalter - KHI System
Bracket support - KHI system
Pendart - KHI système
Soportes verticales - KHI sistema

KDI



F

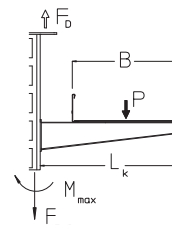
	L	S	
	mm	mm	kg
KDI 02F	200	6	1,9
KDI 03F	300	6	2,5
KDI 04F	400	6	3,0
KDI 05F	500	6	3,6
KDI 06F	600	6	4,2
KDI 07F	700	6	4,8
KDI 08F	800	6	5,4
KDI 09F	900	6	6,0
KDI 10F	1000	6	6,6
KDI 11F	1100	8	7,4
KDI 12F	1200	8	8,0
KDI 13F	1300	8	8,6
KDI 14F	1400	8	9,1
KDI 15F	1500	8	9,7
KDI 16F	1600	8	10,3
KDI 17F	1700	8	10,9
KDI 18F	1800	8	11,5
KDI 19F	1900	8	12,1
KDI 20F	2000	8	12,7
KDI 21F	2100	8	13,2
KDI 22F	2200	8	13,8
KDI 23F	2300	8	14,4
KDI 24F	2400	8	15,0
KDI 25F	2500	8	15,6
KDI 26F	2600	8	16,2
KDI 27F	2700	8	16,8
KDI 28F	2800	8	17,3
KDI 29F	2900	8	17,9
KDI 30F	3000	8	18,5



KT
KTS
KTSS
SD
SI

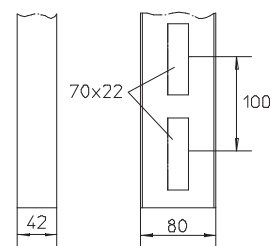
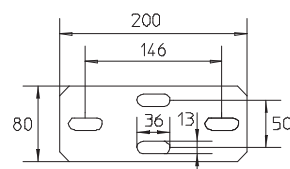


F21
F21
F21
G5
F22

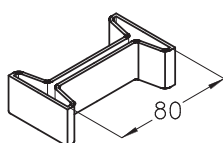


$L \leq 1000$: $M_{\max} = 1600 \text{ Nm}$
 $L > 1000$: $M_{\max} = 2200 \text{ Nm}$
 $F_{\text{zug}} = 20 \text{ kN}$

B	Lk	Pmax L>1000 kN	Pmax L<1000 kN	$\frac{F_D}{P}$
mm	mm			
100	120	20,0	14,5	1,3
200	220	13,8	10,0	1,6
300	320	10,5	7,6	1,9
400	420	8,5	6,2	2,3
500	520	7,1	5,2	2,6
600	620	6,1	4,4	3,0



SI



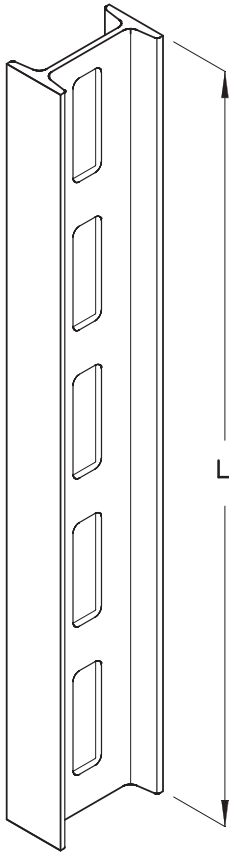
PE

SI

0,02

Konsolhalter - KHI System
Brackets support - KHI system
Pendart - KHI système
Soportes verticales - KHI sistema

KHI



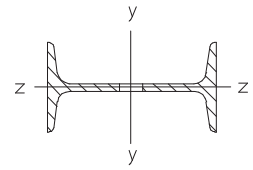
F

	L	
	mm	kg
KHI 02F	200	1,1
KHI 03F	300	1,7
KHI 04F	400	2,3
KHI 05F	500	2,9
KHI 06F	600	3,5
KHI 07F	700	4,1
KHI 08F	800	4,7
KHI 09F	900	5,3
KHI 10F	1000	5,9
KHI 11F	1100	6,4
KHI 12F	1200	7,1
KHI 13F	1300	7,6
KHI 14F	1400	8,2
KHI 15F	1500	8,8
KHI 16F	1600	9,4
KHI 17F	1700	10,0
KHI 18F	1800	10,6
KHI 19F	1900	11,1
KHI 20F	2000	11,7
KHI 21F	2100	12,3
KHI 22F	2200	12,9
KHI 23F	2300	13,5
KHI 24F	2400	14,1
KHI 25F	2500	14,6
KHI 26F	2600	15,2
KHI 27F	2700	15,8
KHI 28F	2800	16,3
KHI 29F	2900	16,9
KHI 30F	3000	17,5
KHI 60F	6000	35,1



BL 7, BL 3, BLI
BGI, BGIQ, BGID
HKI, HKIW, HKIQ

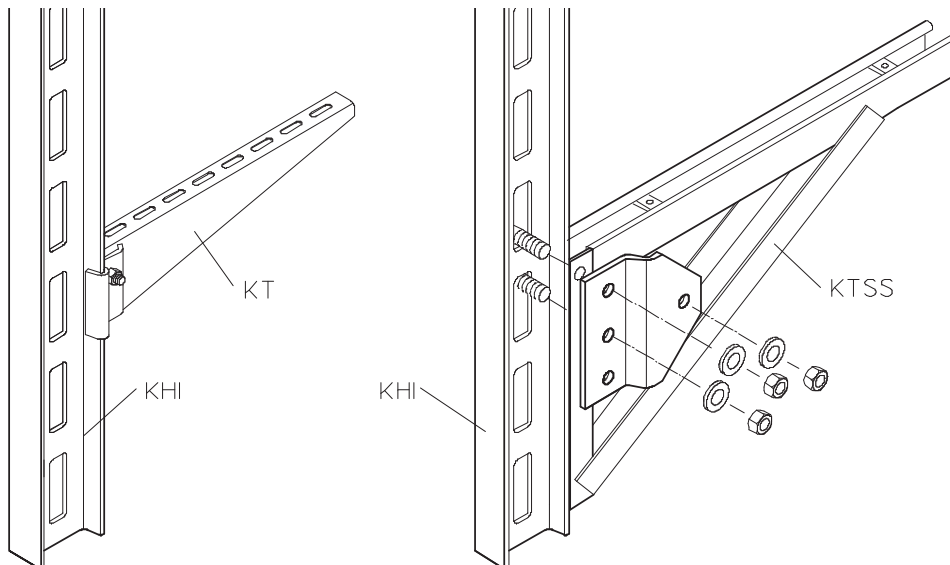
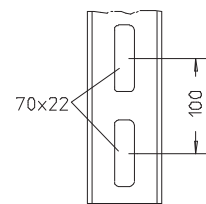
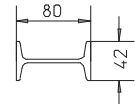
F26
F24
F25



$$A_q = 6,71 \text{ cm}^2$$

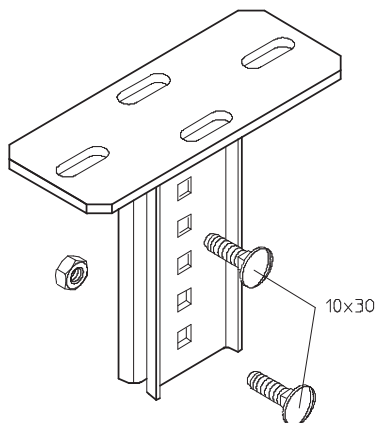
$$W_y = 19,5 \text{ cm}^3$$

$$W_z = 3,0 \text{ cm}^3$$

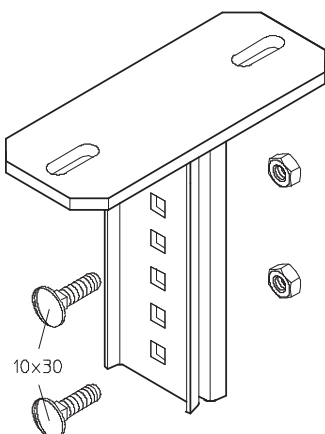


Kopfplatten - KHI System
Head plates - KHI system
Plaques de têtes - KHI système
Placas soportes - KHI sistema

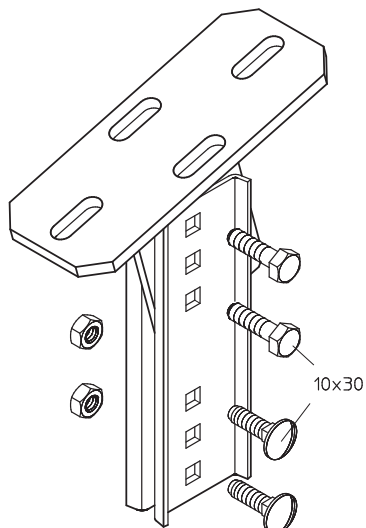
BGI



BGIQ



BGID



F

BGI F

inkl. 2 x FRS 10x30F
2 x SEM 10F



SD

F

BGIQ F

inkl. 2 x FRS 10x30F
2 x SEM 10F



SD

F

BGID F

inkl. 2 x SES 10x30F
2 x FRS 10x30F
4 x SEM 10F



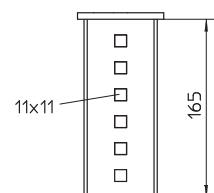
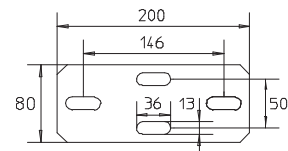
SD

kg

1,4

G8
G11

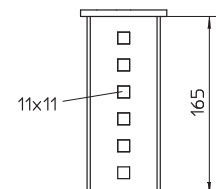
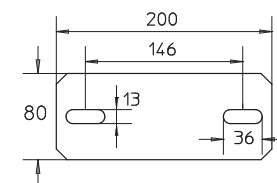
G5



1,4

G8
G11

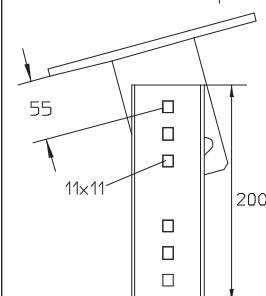
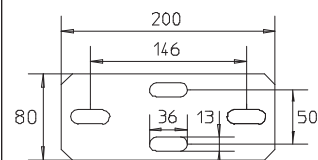
G5



2,3

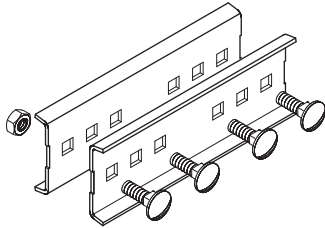
G9
G8
G11

G5



Verbinder - KHI System
Coupler - KHI system
Eclisse - KHI système
Unión - KHI sistema

HKI



F

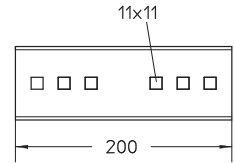
HKI F

inkl. 4 x FRS 10x30F
4 x SEM 10F

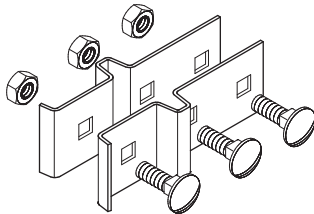
kg

1,0

G8
G11



HKIW



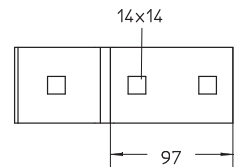
F

HKIW F

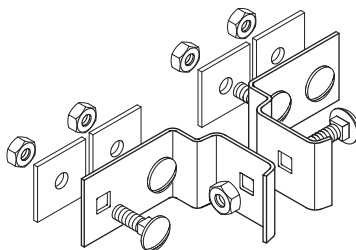
inkl. 3 x FRS 12x30F
3 x SEM 12F

1,0

G8
G11



HKIQ



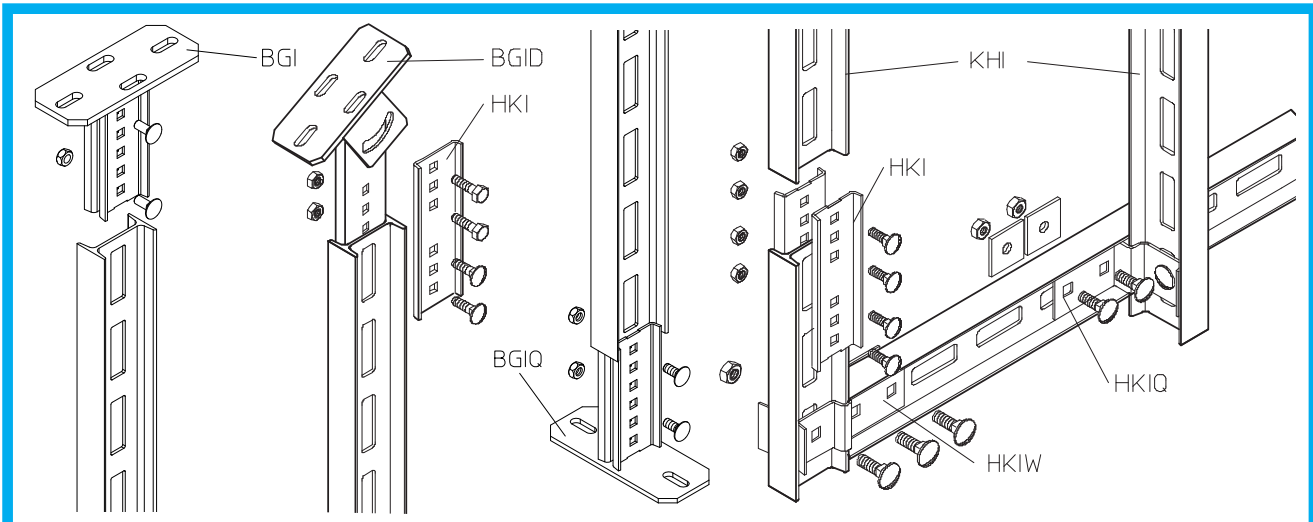
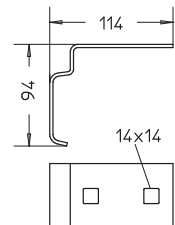
F

HKIQ F

inkl. 5 x FRS 12x30F
5 x SEM 12F
4 x RUS 50 L 13F

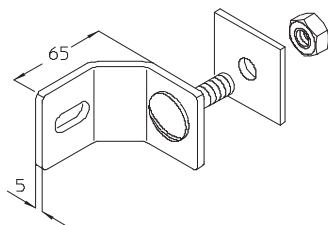
1,2

G8
G11
G11

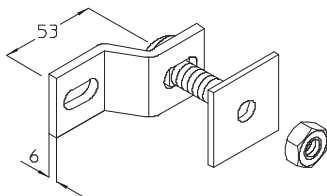


Befestigungslaschen - KHI System
Fastening plates - KHI system
Plaques de fixation - KHI système
Ángulos de fijación - KHI sistema

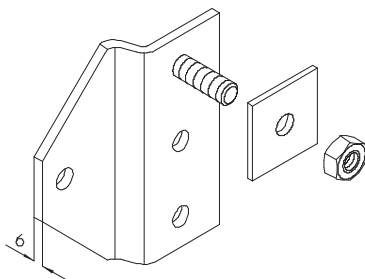
BL 7



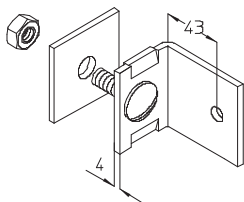
BL 3



BLI



BL 8



F

BL 7F

inkl. 1 x FRS 12x30F
1 x RUS 50-L13F
1 x SEM 12F



SD

F

BL 3F

inkl. 1 x FRS 12x30F
1 x RUS 50-L13F
1 x SEM 12F



SD

F

BLI F

inkl. 1 x SES 12x30F
1 x RUS 50-L13F
1 x SEM 12F



SD

F

BL 8F

inkl. 1 x FRS 10x30F
1 x RUS 50-L13F
1 x SEM 10F



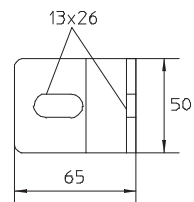
SD

kg

0,3

G8
G11
G11

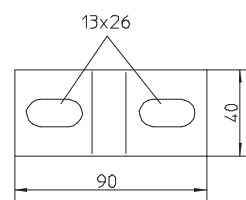
G5



0,2

G8
G11
G11

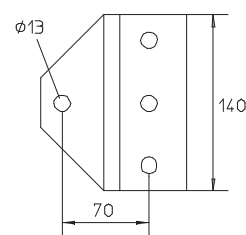
G5



0,8

G10
G11
G11

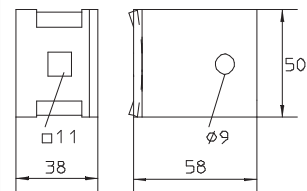
G5

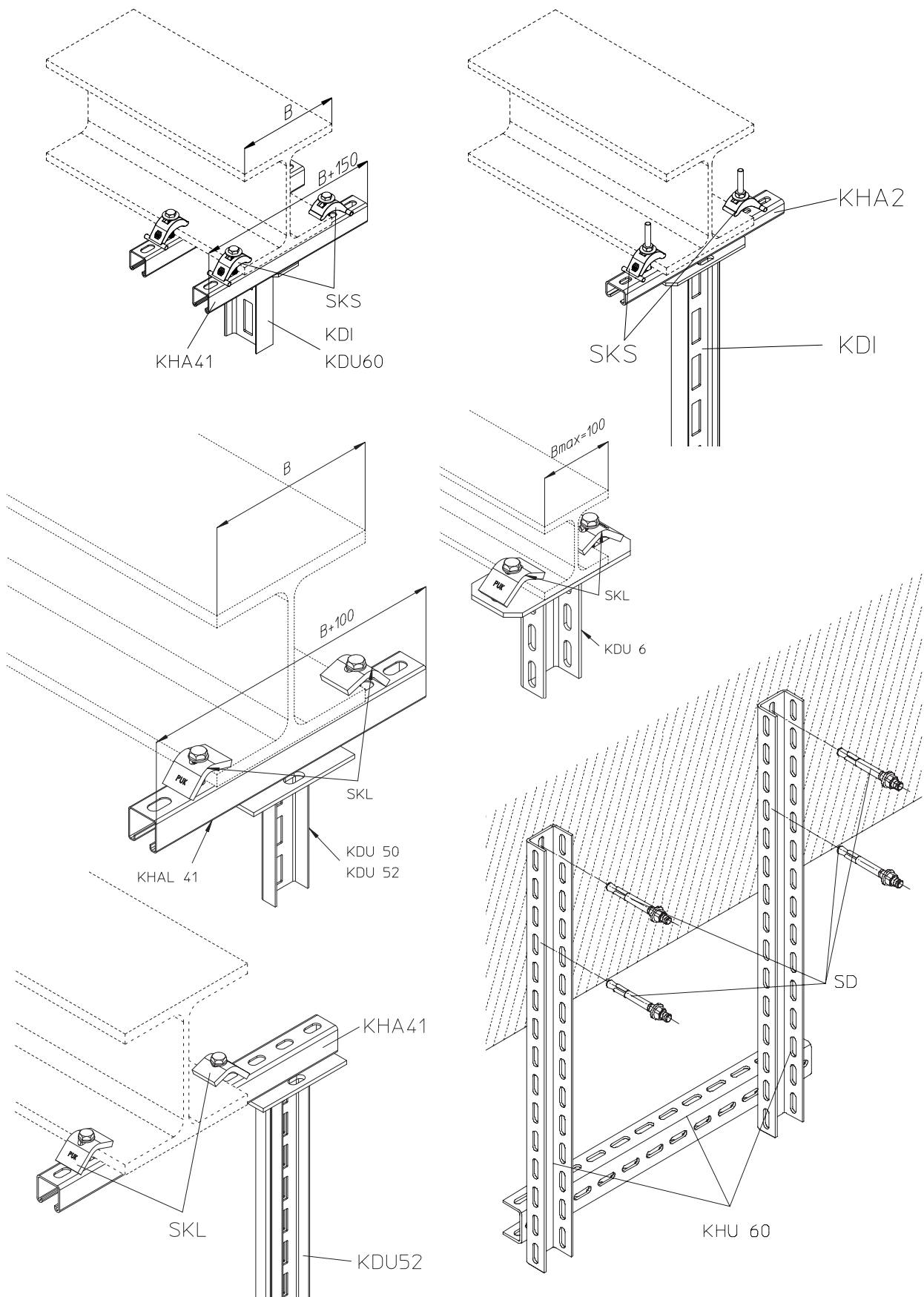


0,2

G8
G11
G11

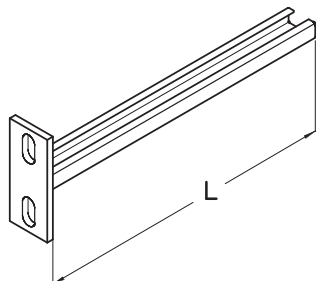
G5





Konsolen - KHA System
Brackets - KHA system
Consoles - KHA système
Soporte pared - KHA sistema

KA 30



F

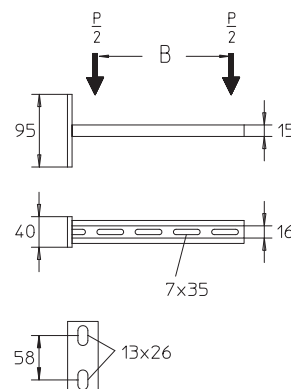
	L	P _{max}	B	
	mm	kN	mm	kg
KA 30-010F	125	0,5	100	0,2
KA 30-015F	175	0,5	150	0,3
KA 30-020F	225	0,5	200	0,3
KA 30-025F	275	0,5	250	0,4
KA 30-030F	325	0,5	300	0,4
KA 30-040F	425	0,5	400	0,5



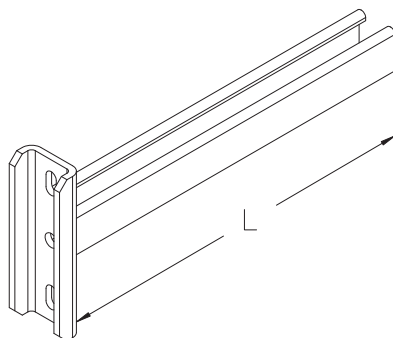
KLR 6x25
HS16, AM16



G3
G14



KA 41



F

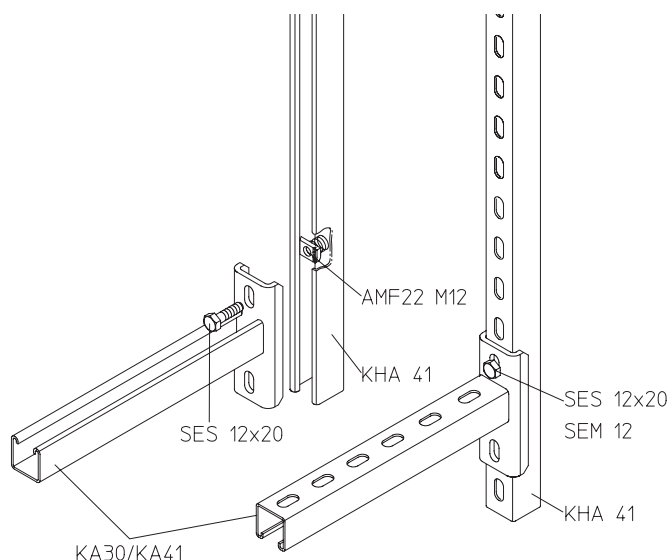
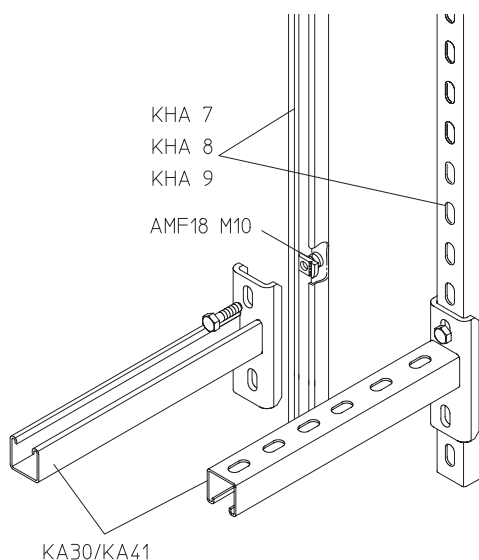
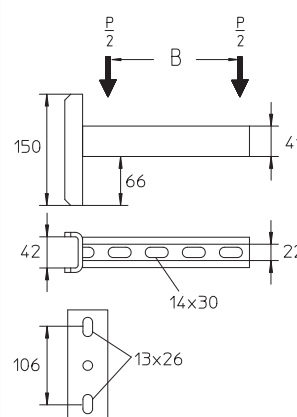
	L	P _{max}	B	
	mm	kN	mm	kg
KA 41-010F	125	3,7	100	1,0
KA 41-015F	175	3,7	150	1,1
KA 41-020F	225	3,7	200	1,2
KA 41-025F	275	3,7	250	1,4
KA 41-030F	325	3,7	300	1,5
KA 41-040F	425	3,7	400	1,6
KA 41-050F	525	3,7	500	1,8
KA 41-060F	625	3,7	600	1,9



AM(F)22
SES

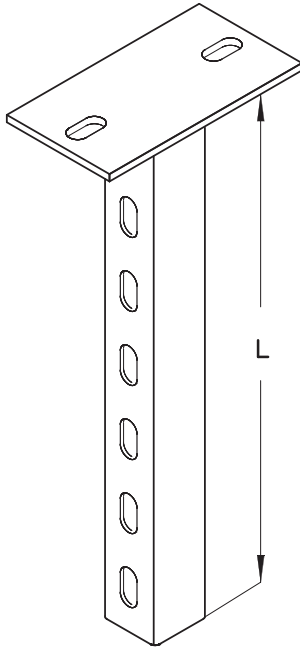


G12
G9



Konsolhalter - KHA System
Bracket support - KHA system
Pendart - KHA système
Soportes verticales - KHA sistema

KDAG 41



F

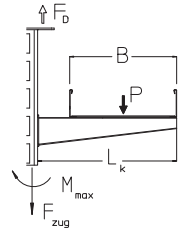
	L	
	mm	kg
KDAG 41-02F	200	1,1
KDAG 41-03F	300	1,4
KDAG 41-04F	400	1,7
KDAG 41-05F	500	1,9
KDAG 41-06F	600	2,2
KDAG 41-07F	700	2,5
KDAG 41-08F	800	2,7
KDAG 41-09F	900	3,0
KDAG 41-10F	1000	3,2



KA 30, KA 41
SD
SA 2
AM(F)22



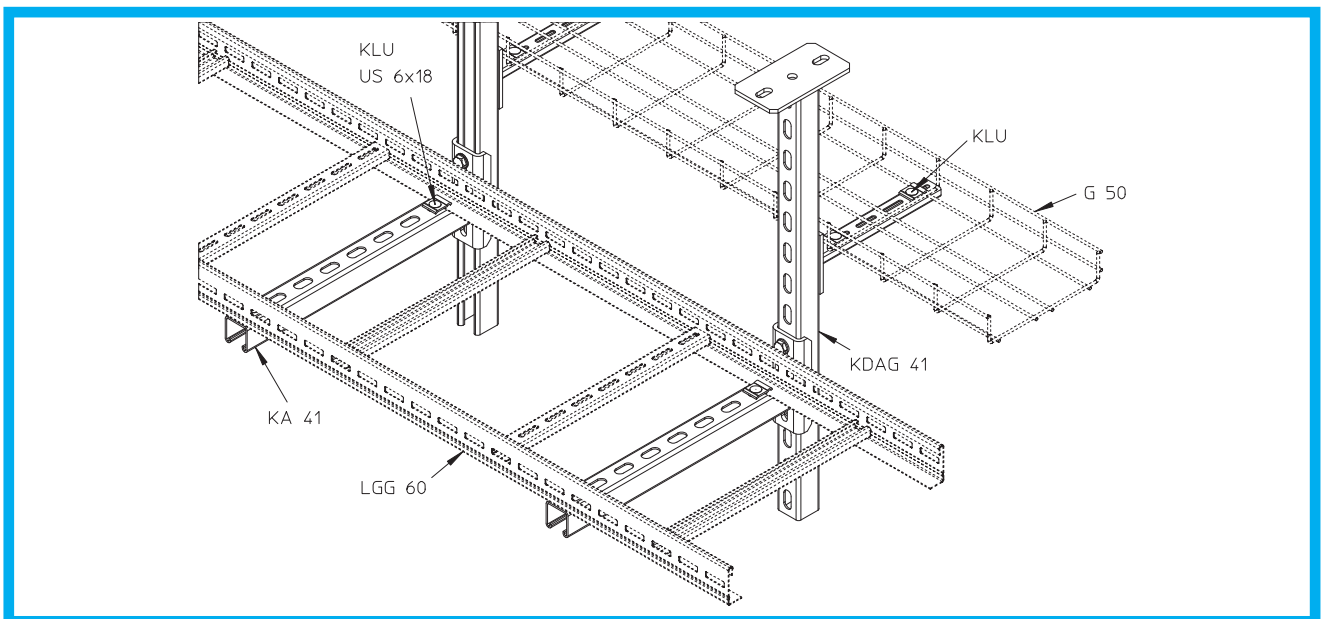
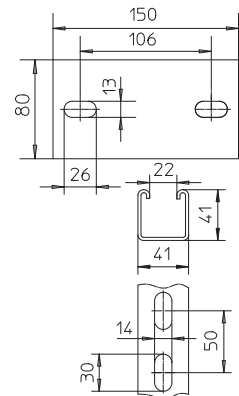
F28
G5
F32
G12



$$M_{\max} = 700 \text{ Nm}$$

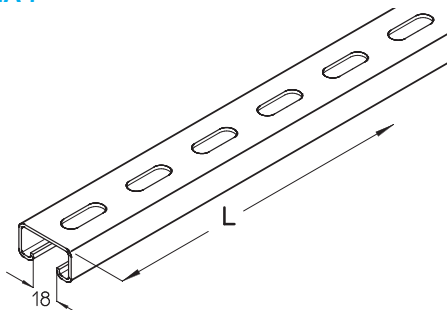
$$F_{\text{zug}} = 16 \text{ kN}$$

B	L _k	P _{max}	$\frac{F_D}{P}$
mm	mm	kN	
100	125	4,2	1,4
200	225	2,7	1,9
300	325	2,0	2,3
400	425	1,6	2,8
500	525	1,4	3,3
600	625	1,2	3,8



Konsolhalter-Schienen - KHA System
Strut profiles - KHA system
Rails - KHA système
Soportes teleraíl - KHA sistema

KHA 7



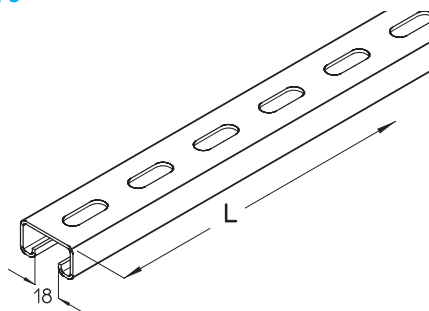
	L	
	mm	kg
S E KHA 7-02S	200	0,2
KHA 7-03S	300	0,3
KHA 7-04S	400	0,4
KHA 7-05S	500	0,5
KHA 7-06S	600	0,7
KHA 7-07S	700	0,8
KHA 7-08S	800	0,9
KHA 7-09S	900	1,0
KHA 7-10S	1000	1,1
KHA 7-11S	1100	1,2
KHA 7-12S	1200	1,3
KHA 7-13S	1300	1,4
KHA 7-14S	1400	1,5
KHA 7-15S	1500	1,6
KHA 7-20S	2000	2,2
KHA 7-30S	3000	3,3
KHA 7-60S	6000	6,6
KHA 7-01E	100	0,1
KHA 7-02E	200	0,2
KHA 7-03E	300	0,3
KHA 7-04E	400	0,4
KHA 7-05E	500	0,6
KHA 7-06E	600	0,7
KHA 7-07E	700	0,8
KHA 7-08E	800	0,9
KHA 7-09E	900	1,0
KHA 7-10E	1000	1,1
KHA 7-11E	1100	1,2
KHA 7-12E	1200	1,3
KHA 7-13E	1300	1,5
KHA 7-14E	1400	1,6
KHA 7-15E	1500	1,7
KHA 7-20E	2000	2,2
KHA 7-30E	3000	3,4
KHA 7-60E	6000	6,7



AM(F)18, HS18
ASK 8, SA 1



KHA 8



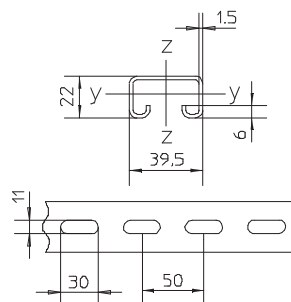
F		
KHA 8-01F	100	0,2
KHA 8-02F	200	0,3
KHA 8-03F	300	0,5
KHA 8-04F	400	0,6
KHA 8-05F	500	0,8
KHA 8-06F	600	0,9
KHA 8-07F	700	1,1
KHA 8-08F	800	1,3
KHA 8-09F	900	1,4
KHA 8-10F	1000	1,6
KHA 8-11F	1100	1,7
KHA 8-12F	1200	1,9
KHA 8-13F	1300	2,0
KHA 8-14F	1400	2,2
KHA 8-15F	1500	2,4
KHA 8-20F	2000	3,1
KHA 8-30F	3000	4,7
KHA 8-60F	6000	9,4



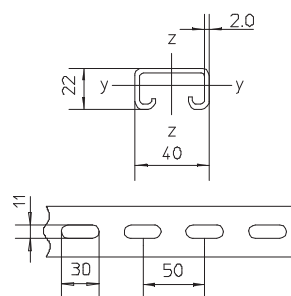
AM(F)18, HS18
ASK 8, SA 1



$$\begin{aligned} W_y &= 0,8 \text{ cm}^3 \\ W_z &= 1,7 \text{ cm}^3 \end{aligned}$$

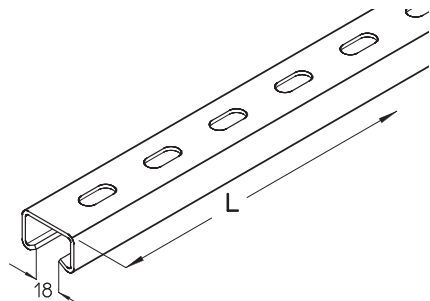


$$\begin{aligned} W_y &= 1,0 \text{ cm}^3 \\ W_z &= 2,2 \text{ cm}^3 \end{aligned}$$



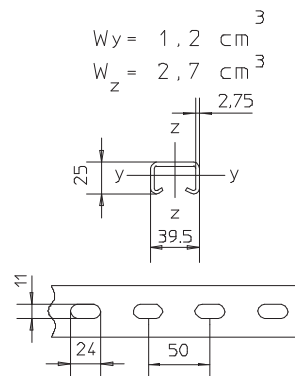
Konsolhalter-Schienen - KHA System
Strut profiles - KHA system
Rails - KHA système
Soportes telerrail - KHA sistema

KHA 9



F

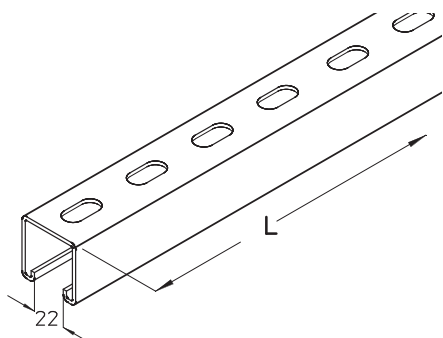
	L	
	mm	kg
KHA 9-02F	200	0,4
KHA 9-03F	300	0,6
KHA 9-04F	400	0,8
KHA 9-05F	500	1,0
KHA 9-06F	600	1,2
KHA 9-07F	700	1,4
KHA 9-08F	800	1,6
KHA 9-09F	900	1,8
KHA 9-10F	1000	1,9
KHA 9-11F	1100	2,1
KHA 9-12F	1200	2,3
KHA 9-13F	1300	2,4
KHA 9-14F	1400	2,6
KHA 9-15F	1500	2,8
KHA 9-20F	2000	3,8
KHA 9-30F	3000	5,6
KHA 9-60F	6000	11,2



AMA18, HS18



KHA 41

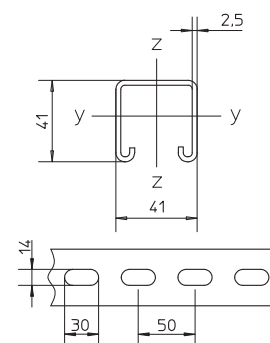


F

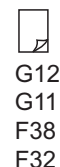
	L	
	mm	kg
KHA 41-02F	200	0,5
KHA 41-03F	300	0,8
KHA 41-04F	400	1,1
KHA 41-05F	500	1,3
KHA 41-06F	600	1,6
KHA 41-07F	700	1,9
KHA 41-08F	800	2,1
KHA 41-09F	900	2,4
KHA 41-10F	1000	2,6
KHA 41-11F	1100	2,9
KHA 41-12F	1200	3,2
KHA 41-13F	1300	3,4
KHA 41-14F	1400	3,7
KHA 41-15F	1500	4,0
KHA 41-20F	2000	5,3
KHA 41-30F	3000	7,9
KHA 41-60F	6000	15,9

$$W_y = 2,8 \text{ cm}^3$$

$$W_z = 4,4 \text{ cm}^3$$



AM(F)22
RUS 41
SKS A
SA 2



KHA System
KHA system
KHA système
KHA sistema

SA 1



SA 2



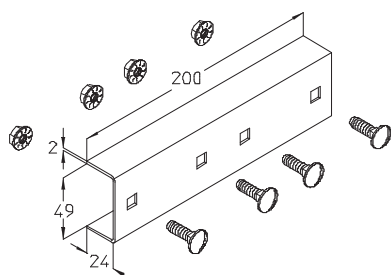
PE

SA 1
SA 2

kg

0,01
0,01

ASK 4

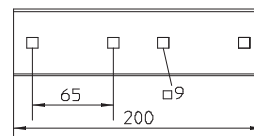


ASK 4F

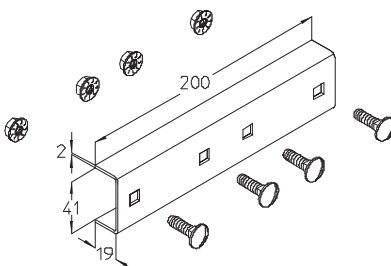
0,31

inkl. 4 x FRS 8x20E
4 x SEMS M8E

G8
G11



ASK 8

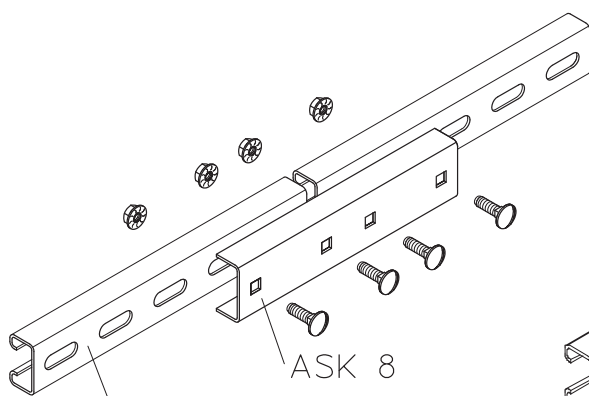
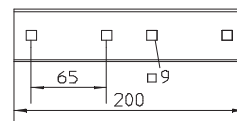


ASK 8F

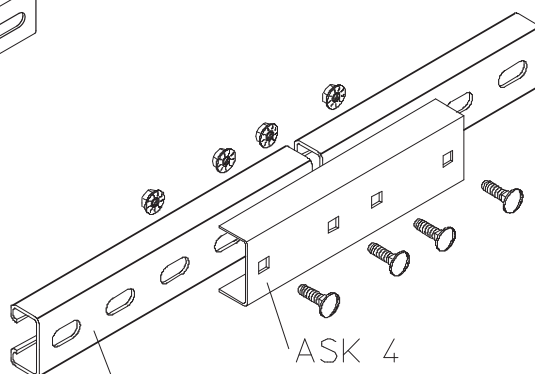
0,25

inkl. 4 x FRS 8x20E
4 x SEMS M8E

G8
G11



ASK 8



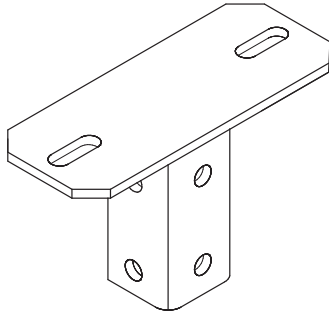
ASK 4

A7 , A8 , A9
KHA 7 , KHA 8 , KHA 9
39,5/22 , 40/22 , 39,5/25

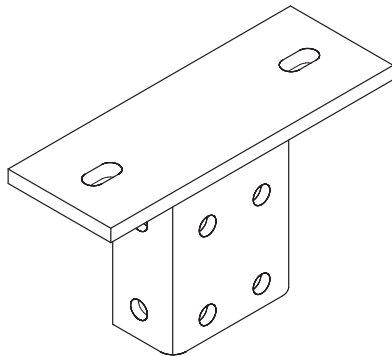
A4; KHA4
48/26

KHA System
KHA system
KHA système
KHA sistema

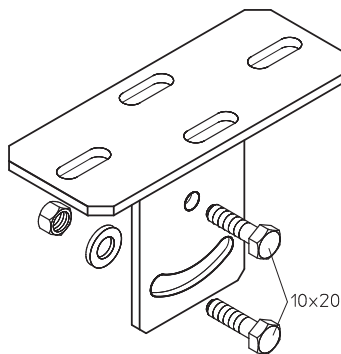
BGA 41



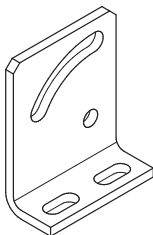
BGA 41/2



BGUD



BLD



F

BGA 41F



SD
SKL M
SES
AM(F)22

F

BGA 41/2F



SD
SKL M
SES
AM(F)22

F

BGUD F

inkl.

2 x SES 10x20F
2 x US 10x21F
2 x SEM 10F



SD

F

BLD F

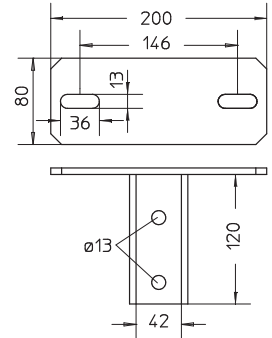


SD
SES
AM(F)22
HS18
AM(F)18

kg

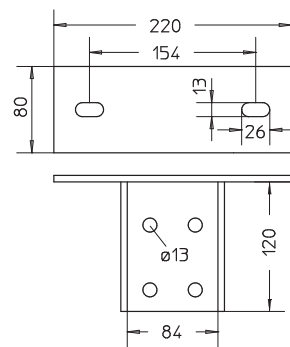
1,2

G5
F39
G9
G12



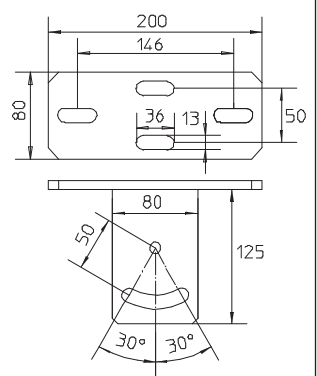
1,8

G5
F39
G9
G12



1,3

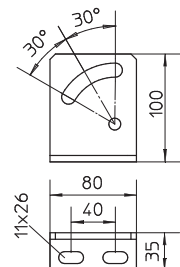
G10
G10
G11



G5

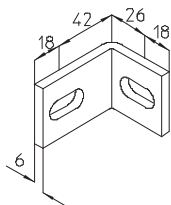
0,5

G5
G9
G12
G13
G13



KHA System
KHA system
KHA système
KHA sistema

BL 5



F
BL 5F

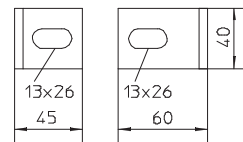


SD
SES
AM(F)22
HS18
AM(F)18

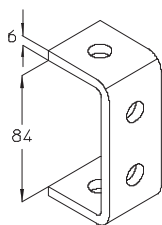
kg

0,2

G5
G9
G12
G13
G13



AKL



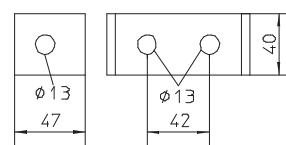
F
AKL 41F



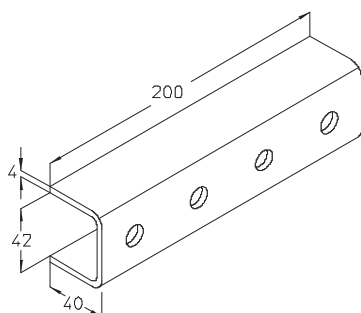
SES
AM(F)22

0,3

G9
G12



AV



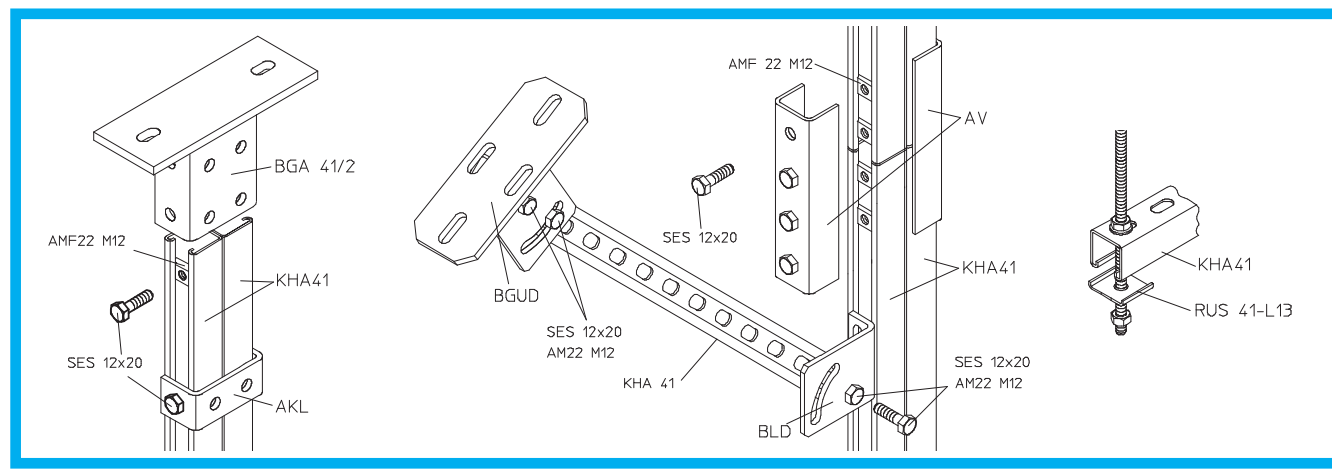
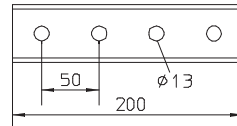
F
AV 41F



SES
AM(F)22

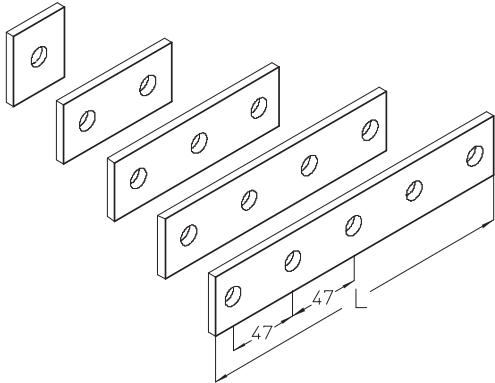
0,7

G9
G12



Schienen-Verbinder - KHA System
Strut-coupler - KHA system
Eclisse - KHA système
Uniones teleraíl - KHA sistema

AVL



F

AVL-1F
AVL-2F
AVL-3F
AVL-4F
AVL-5F

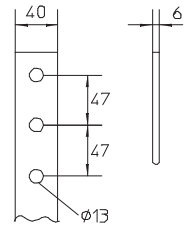
L
mm

kg

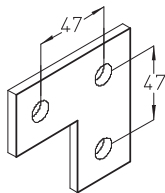


SES
AM(F)22

G9
G12



AVE



F

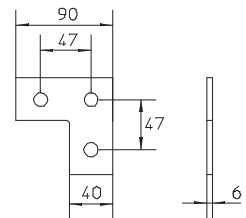
AVE F



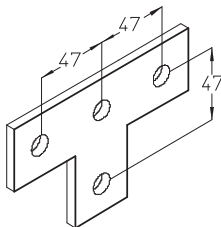
SES
AM(F)22

0,27

G9
G12



AVA



F

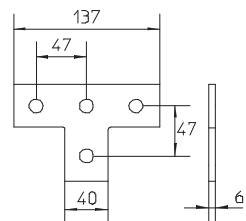
AVA F



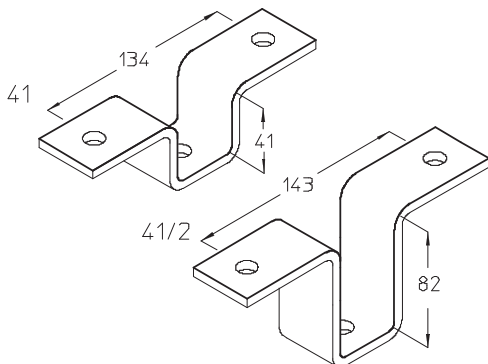
SES
AM(F)22

0,36

G9
G12



AVB



F

AVB 41F
AVB 41/2F

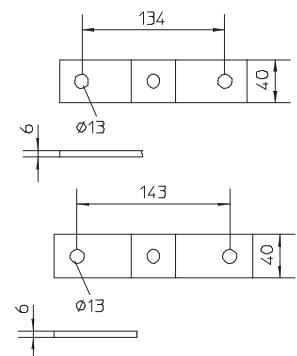


SES
AM(F)22

0,44

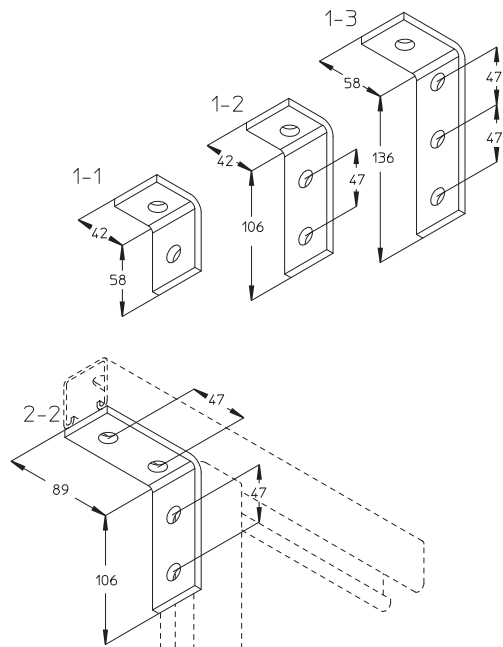
0,48

G9
G12



Schienen-Verbinder - KHA System
Strut-coupler - KHA system
Eclisse - KHA système
Uniones telerail - KHA sistema

AVLW



F

AVLW 1-1F
AVLW 1-2F
AVLW 1-3F
AVLW 2-2F



SES
AM(F)22

d

mm

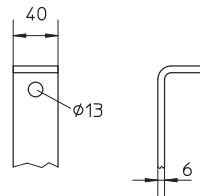


kg

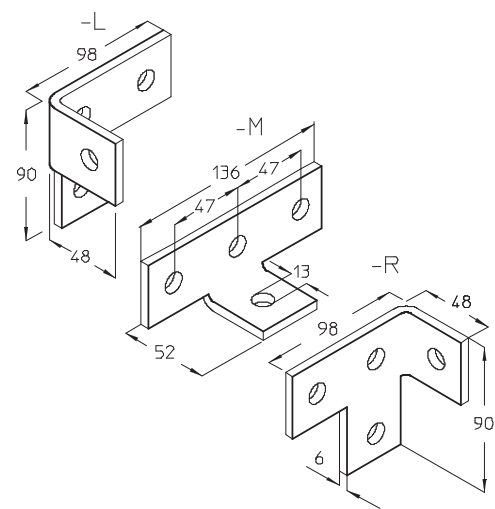
0,17
0,26
0,36
0,44



G9
G12



AVAW



F

AVAW-L F
AVAW-M F
AVAW-R F



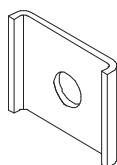
SES
AM(F)22

0,36
0,36
0,36



G9
G12

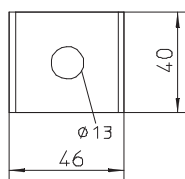
RUS

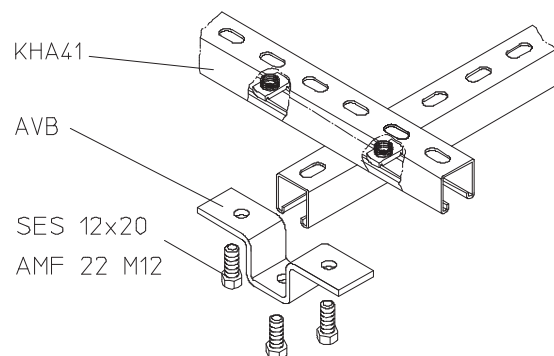
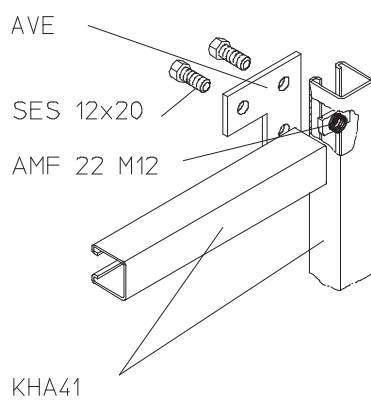
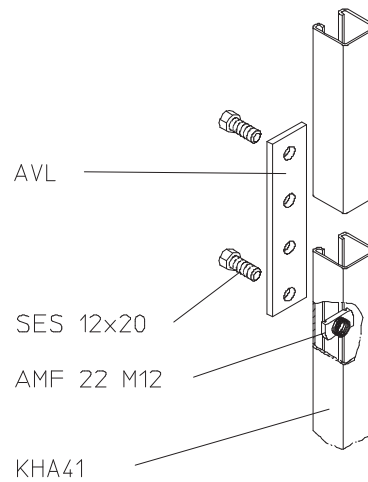
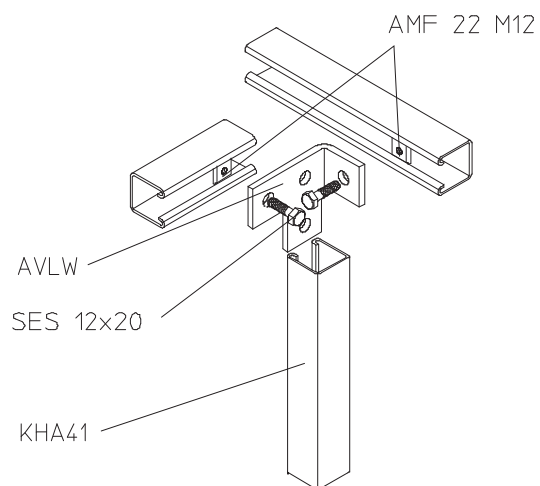
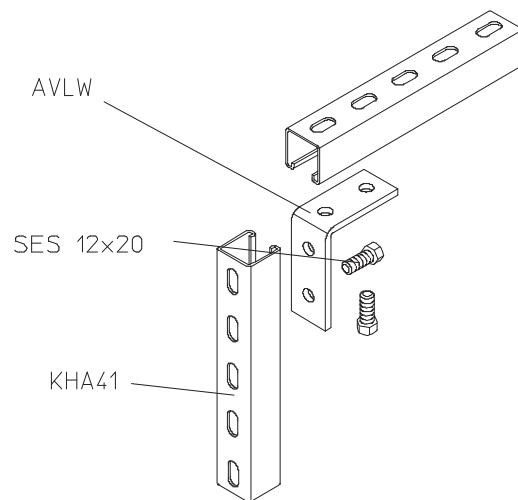
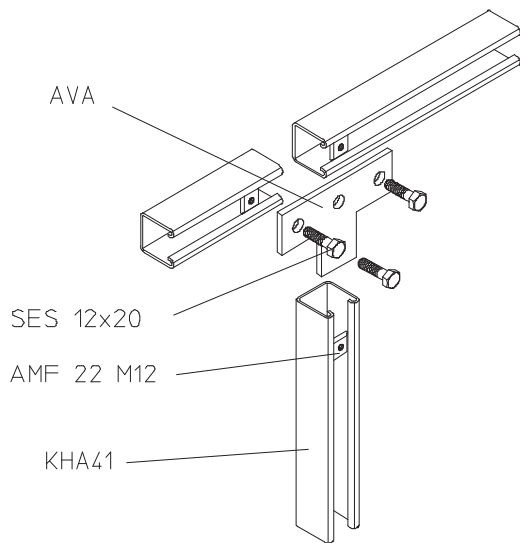


F E

RUS 41-L13F 13
RUS 41-L13E 13

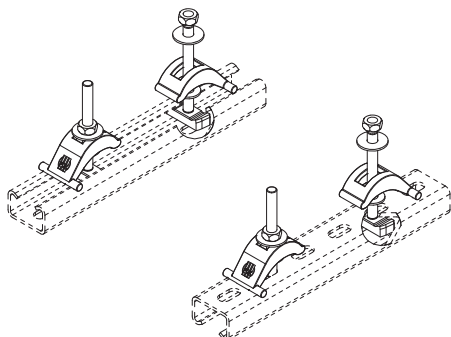
0,36
0,29



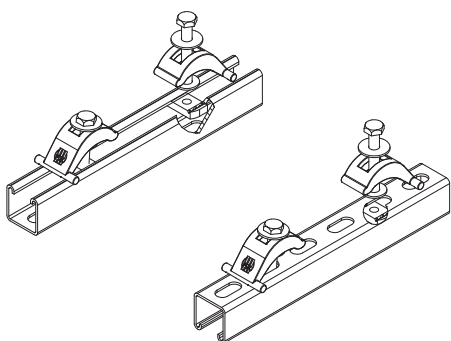


Trägerklemmen - KHA System
Fixing clamps - KHA system
Crapauds de fixation - KHA système
Bornas de fijación - KHA sistema

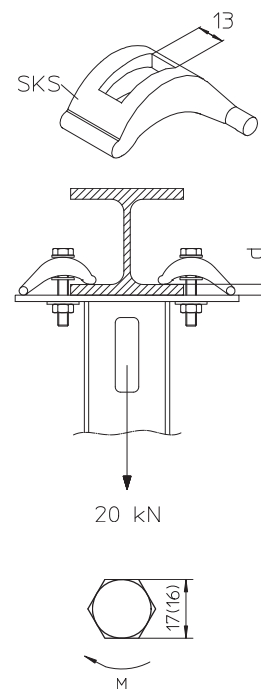
SKS H



SKS A

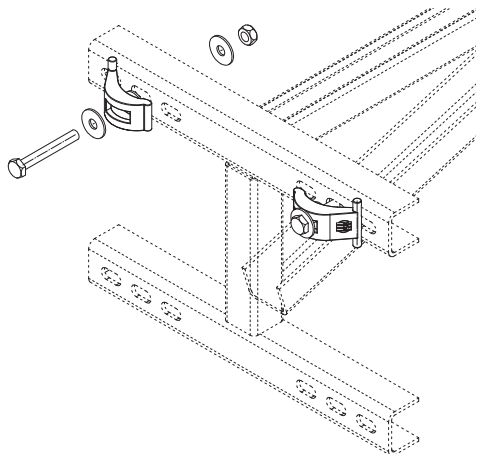


	d	M	
	mm	Nm	kg/set
F E4			
SKS HF	10 - 30	50	0,63
inkl.	2 x HS22 10x80F 4 x US 10x30F 2 x UVS M10x24		G12 G11 G11
➔	KHA 2		F41
SKS HE4	10 - 30	50	0,63
inkl.	2 x HS22 10x80E4 4 x US 10x30E4 2 x UVS M10x24		G12 G11 G11
➔	KHA 2		F41
F E4			
SKS AF	10 - 30	50	0,59
inkl.	2 x SES 10x75F 2 x US 10x30F 2 x AM22 M10F 2 x UVS M10x24		G10 G11 G12 G11
➔	A 41, KHA 41		F40
SKS AE4	10 - 30	50	0,59
inkl.	2 x SES 10x75E4 2 x US 10x30E4 2 x AM22 M10E4 2 x UVS M10x24		G10 G11 G12 G11
➔	A 41, KHA 41		F40



Trägerklemmen - KHA System
Fixing clamps - KHA system
Crapauds de fixation - KHA système
Bornas de fijación - KHA sistema

SKS M



F E4

SKS MF	10 - 30	50	0,30
inkl.	2 x SES 10x75F 4 x US 10x30F 2 x SEM 10F 2 x UVS M10x24		G10 G10 G11 G11



KISS

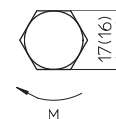
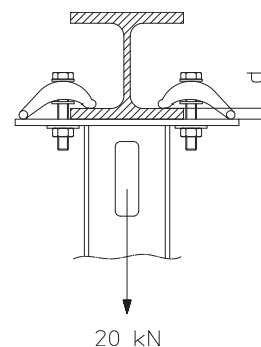
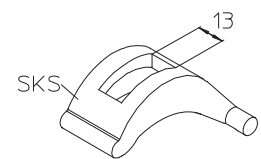
F5

SKS ME4	10 - 30	50	0,30
inkl.	2 x SES 10x75E4 4 x US 10x30E4 2 x SEM 10E4 2 x UVS M10x24		G10 G10 G11 G11

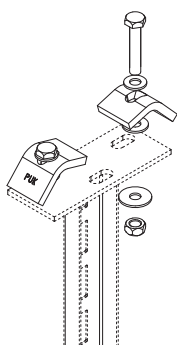


KISS

F5



SKL M



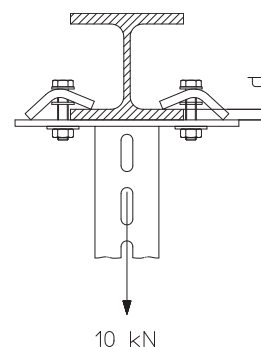
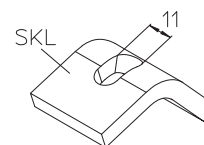
F

SKL MF	5 - 25	35	0,45
inkl.	2 x SES 10x55F 2 x US 10x21F 2 x US 10x30F 2 x SEM 10F 2 x UVS M10x24		G10 G10 G11 G11 G11

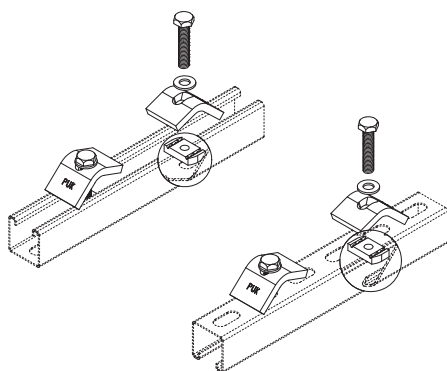


KDU 50
KDU 52

F11
F12



SKL A



F

SKL AF	5 - 25	35	0,49
inkl.	2 x SES 10x55F 2 x US 10x21F 2 x AM22 M10F 2 x UVS M10x24		G10 G11 G12 G11

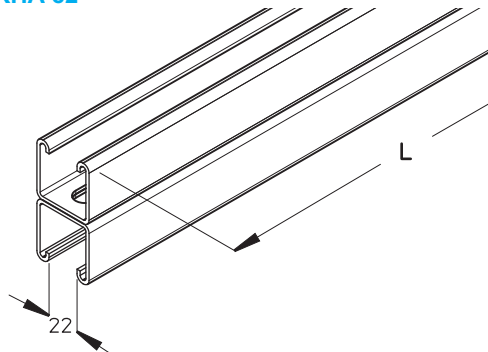


A 41, KHA 41
KHAL 41

F40
F40

Ankerschienen
Anchor-rails
Rails d'ancrage
Teleraíles

KHA 82



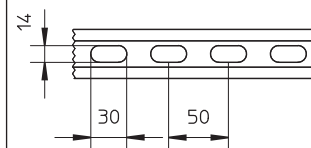
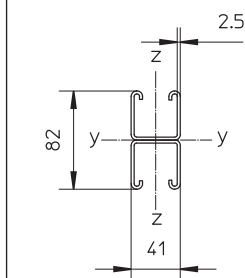
F

KHA 82-60F 6000 8,7 8,7 35,7 18,0 31,8

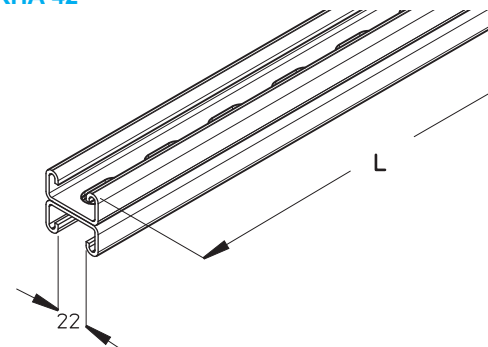


AM(F)22
RUS 41-L13

G12
F36



KHA 42



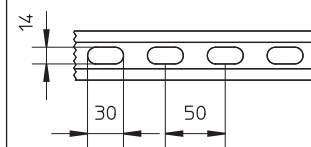
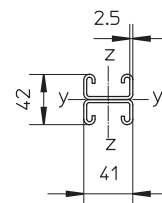
F

KHA 42-60F 6000 2,8 5,1 5,9 10,5 20,7

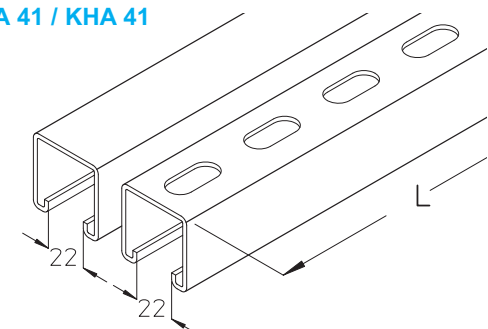


AM22
RUS 41-L13

G12
F36



A 41 / KHA 41



B F

A 41-30B 3000 2,8 4,4 6,0 9,0 7,8
A 41-60B 6000 2,8 4,4 6,0 9,0 15,6

A 41-30F 3000 2,8 4,4 6,0 9,0 8,3
A 41-60F 6000 2,8 4,4 6,0 9,0 16,6

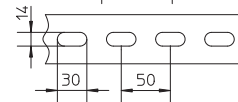
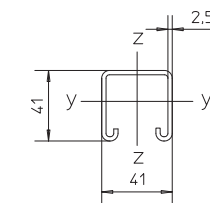
F

KHA 41-30F 3000 2,8 4,4 6,0 9,0 7,9
KHA 41-60F 6000 2,8 4,4 6,0 9,0 15,9

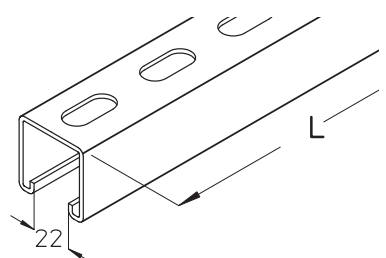


AM(F)22

G12



KHAL 41



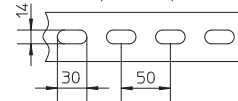
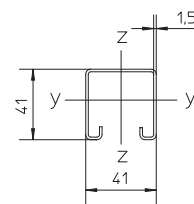
S

KHAL 41-30S 3000 2,0 2,9 4,2 6,0 4,7
KHAL 41-60S 6000 2,0 2,9 4,2 6,0 9,4



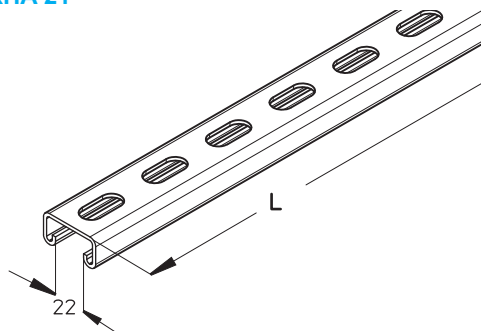
AM(F)22

G12



Ankerschienen
Anchor-rails
Rails d'ancrage
Teleraíles

KHA 21

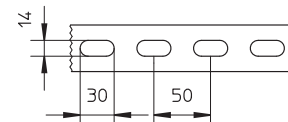
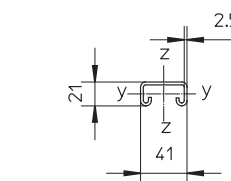


F E4

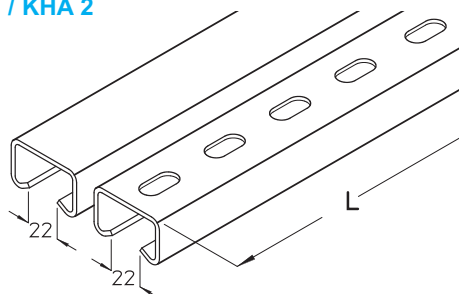
	L	W _y	W _z	I _y	I _z	
	mm	cm ³	cm ³	cm ⁴	cm ⁴	kg
KHA 21-30F	3000	0,9	2,6	1,0	5,3	5,3
KHA 21-60F	6000	0,9	2,6	1,0	5,3	10,6
KHA 21-30E4	3000	0,9	2,6	1,0	5,3	5,1
KHA 21-60E4	6000	0,9	2,6	1,0	5,3	10,1



AM22
RUS 41-L13



A 2 / KHA 2

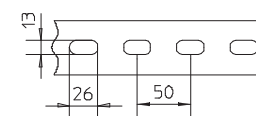
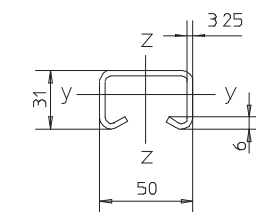
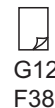


B F

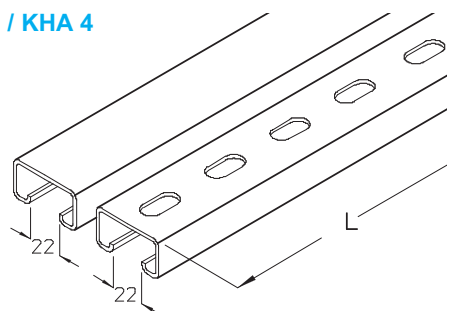
	L	W _y	W _z	I _y	I _z	
	mm	cm ³	cm ³	cm ⁴	cm ⁴	kg
A 2-30B	3000	2,4	5,1	4,4	12,9	8,8
A 2-60B	6000	2,4	5,1	4,4	12,9	17,6
A 2-30F	3000	2,4	5,1	4,4	12,9	9,4
A 2-60F	6000	2,4	5,1	4,4	12,9	18,8



HS22
SKS H



A 4 / KHA 4

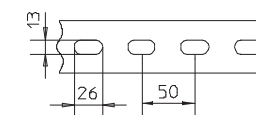
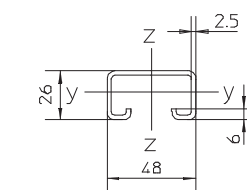


B F

	L	W _y	W _z	I _y	I _z	
	mm	cm ³	cm ³	cm ⁴	cm ⁴	kg
A 4-30B	3000	1,7	3,8	2,6	9,2	6,7
A 4-60B	6000	1,7	3,8	2,6	9,2	13,4
A 4-30F	3000	1,7	3,8	2,6	9,2	7,2
A 4-60F	6000	1,7	3,8	2,6	9,2	14,4

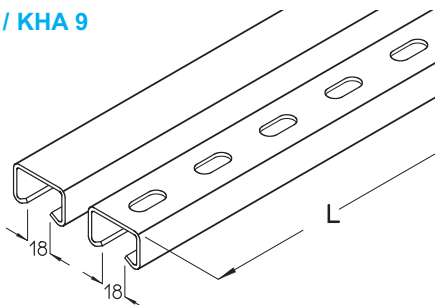


HS22



Ankerschienen
Anchor-rails
Rails d'ancrage
Teleraíles

A 9 / KHA 9



B F

A 9-30B	3000	1,3	2,7	1,9	5,4	5,5
A 9-60B	6000	1,3	2,7	1,9	5,4	11,0
A 9-30F	3000	1,3	2,7	1,9	5,4	5,9
A 9-60F	6000	1,3	2,7	1,9	5,4	11,8

F

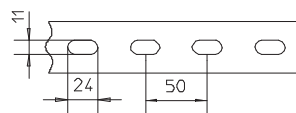
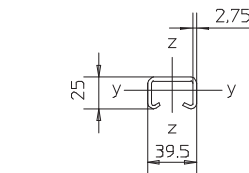
KHA 9-30F	3000	1,2	2,7	1,6	5,4	5,6
KHA 9-60F	6000	1,2	2,7	1,6	5,4	11,2



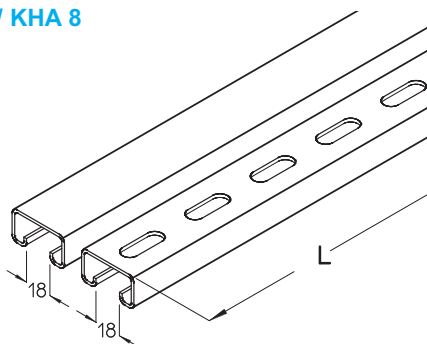
HS18
AMA18



G13
G13



A 8 / KHA 8



B F

A 8-30B	3000	1,0	2,2	1,3	4,4	4,6
A 8-60B	6000	1,0	2,2	1,3	4,4	9,2
A 8-30F	3000	1,0	2,1	1,3	4,4	5,0
A 8-60F	6000	1,0	2,1	1,3	4,4	9,9

F

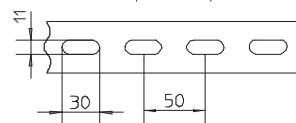
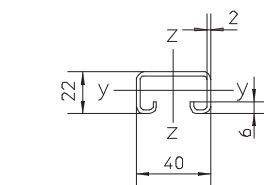
KHA 8-30F	3000	1,0	2,2	1,1	4,3	4,7
KHA 8-60F	6000	1,0	2,2	1,1	4,3	9,4



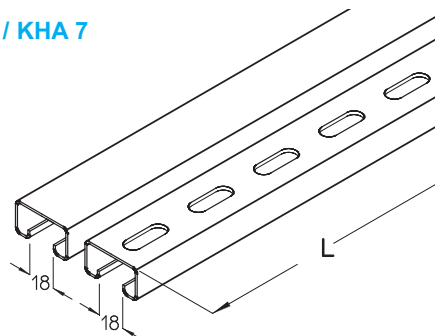
HS18
AM(F)18



G13
G13



A 7 / KHA 7



S E

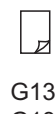
A 7-30S	3000	0,9	1,7	1,1	3,5	3,9
A 7-60S	6000	0,9	1,7	1,1	3,5	7,8
A 7-30E	3000	0,9	1,7	1,1	3,5	3,6
A 7-60E	6000	0,9	1,7	1,1	3,5	7,2

S E

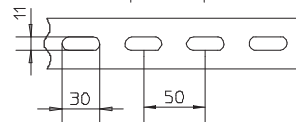
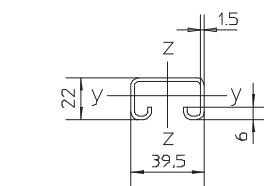
KHA 7-30S	3000	0,8	1,7	0,9	3,5	3,3
KHA 7-60S	6000	0,8	1,7	0,9	3,5	6,6
KHA 7-30E	3000	0,8	1,7	0,9	3,5	3,4
KHA 7-60E	6000	0,8	1,7	0,9	3,5	6,7



HS18
AM(F)18

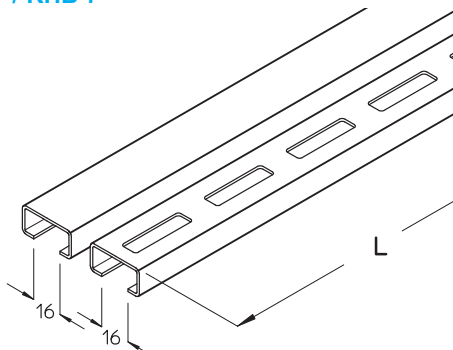


G13
G13

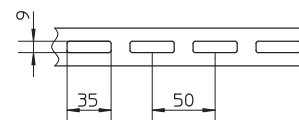
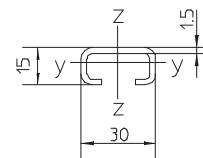


Ankerschienen
Anchor-rails
Rails d'ancrage
Telerailes

B 7 / KHB 7



	L	W _y	W _z	I _y	I _z	
	mm	cm ³	cm ³	cm ⁴	cm ⁴	kg
B S F E						
B 7-30B	3000	0,3	0,8	0,3	1,3	2,2
B 7-60B	6000	0,3	0,8	0,3	1,3	4,4
B 7-30S	3000	0,3	0,8	0,3	1,3	2,3
B 7-60S	6000	0,3	0,8	0,3	1,3	4,5
B 7-30F	3000	0,3	0,8	0,3	1,3	2,4
B 7-60F	6000	0,3	0,8	0,3	1,3	4,8
B 7-30E	3000	0,3	0,8	0,3	1,3	2,2
B 7-60E	6000	0,3	0,8	0,3	1,3	4,4



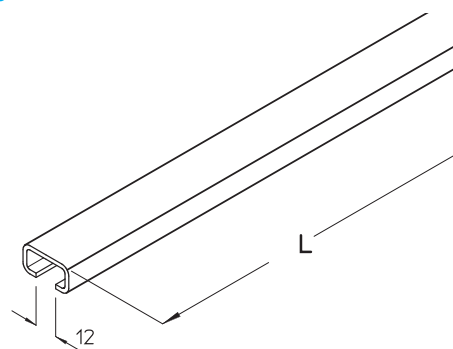
S F E						
KHB 7-30S	3000	0,3	0,8	0,3	1,3	2,1
KHB 7-60S	6000	0,3	0,8	0,3	1,3	4,2
KHB 7-30F	3000	0,3	0,8	0,3	1,3	2,3
KHB 7-60F	6000	0,3	0,8	0,3	1,3	4,6
KHB 7-30E	3000	0,3	0,8	0,3	1,3	2,2
KHB 7-60E	6000	0,3	0,8	0,3	1,3	4,4



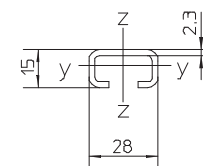
HS16
AM16


G14
G14

B 6



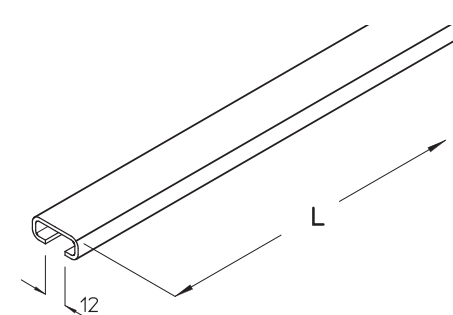
B F E E4						
B 6-30B	3000	0,5	1,1	0,4	1,5	3,1
B 6-60B	6000	0,5	1,1	0,4	1,5	6,3
B 6-30F	3000	0,5	1,1	0,4	1,5	3,4
B 6-60F	6000	0,5	1,1	0,4	1,5	6,7
B 6-30E	3000	0,5	1,1	0,4	1,5	3,1
B 6-60E	6000	0,5	1,1	0,4	1,5	6,3
B 6-30E4	3000	0,5	1,1	0,4	1,5	3,1
B 6-60E4	6000	0,5	1,1	0,4	1,5	6,3



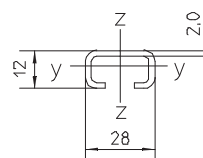
HS12
AM12


G14
G14

B 3



B F E4						
B 3-30B	3000	0,3	0,8	0,2	1,1	2,5
B 3-60B	6000	0,3	0,8	0,2	1,1	5,0
B 3-30F	3000	0,3	0,8	0,2	1,1	2,7
B 3-60F	6000	0,3	0,8	0,2	1,1	5,3
B 3-30E4	3000	0,3	0,8	0,2	1,1	2,5
B 3-60E4	6000	0,3	0,8	0,2	1,1	5,0

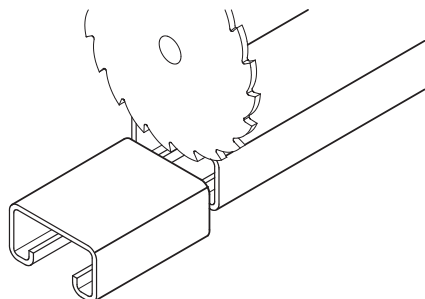


HS12
AM12


G14
G14

Bearbeitung - Ankerschienen
Treatment - Anchor rails
Usinage - Rails d'ancrage
Opciones - Teleraíles

PRS

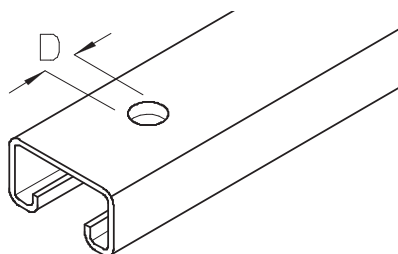


PRS A
PRS B

D	L	A 2, A 7, B 3, B 12,
mm	mm	A 4, A 8, B 6, B 15
		A 41 A 9 B 7

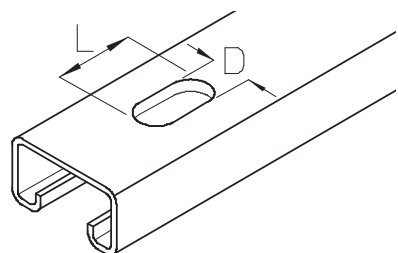
X	X		
		X	X

RL



RL 7	7	X	X	X	X
RL 9	9	X	X	X	
RL 11	11	X	X		
RL 13	13	X	X		

LGL



LGL 7x10	7	10	X	X	X	X
LGL 9x20	9	20	X	X	X	
LGL 11x24	11	24	X	X		
LGL 13x26	13	26	X	X		