

Cable Management Systems
Lighting Trunkings
Electrical Systems

New section devoted to WEB tools

BASOR has opened a new web portal especially devoted to installers and engineers. The portal contains different tools which shall help users solve issues such as the choosing of the adequate cable tray or support.

Give it a try!

Fixed structure photovoltaic electrical systems

BASOR has opened a new technical department which specialises in the development of fixed structures for photovoltaic electrical systems, both on the floor and on the ceiling. **Consult us!**

New support systems

BASOR has been trying for years to provide its clients with the most adequate product for their electrical systems without having to invest more than what is strictly necessary. For this reason, BASOR has launched products which complete their ranges so that the solution chosen fulfils all your needs.

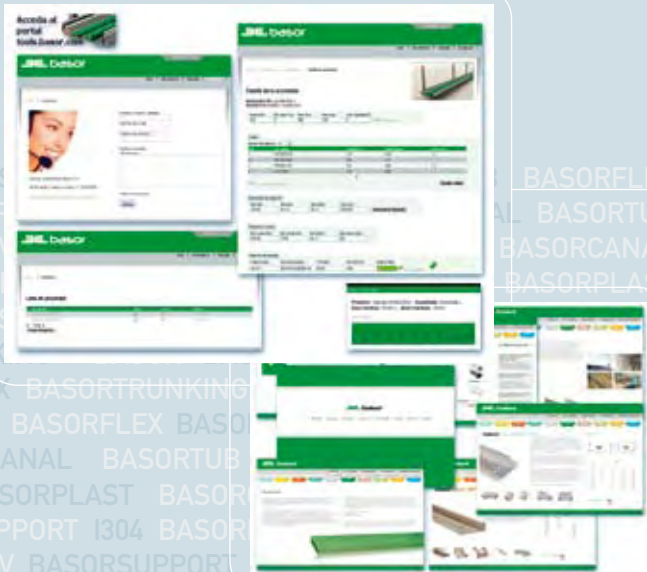
Fire-resistant cable conduction systems



BASOR has expanded the solutions available for emergency electrical systems where the evacuation systems must continue functioning in case of fire.

Conduit cable conduction system

New range of products for superficial electrical systems. Rigid conduits RE1250 and R1250 are adequate for all kinds of superficial electrical systems and have a minimum compression strength of 1250N. FLEXL flexible conduits have been designed to protect the cables in robots, spinning tables, solar trackers and, generally speaking, machinery which is in constant movement.

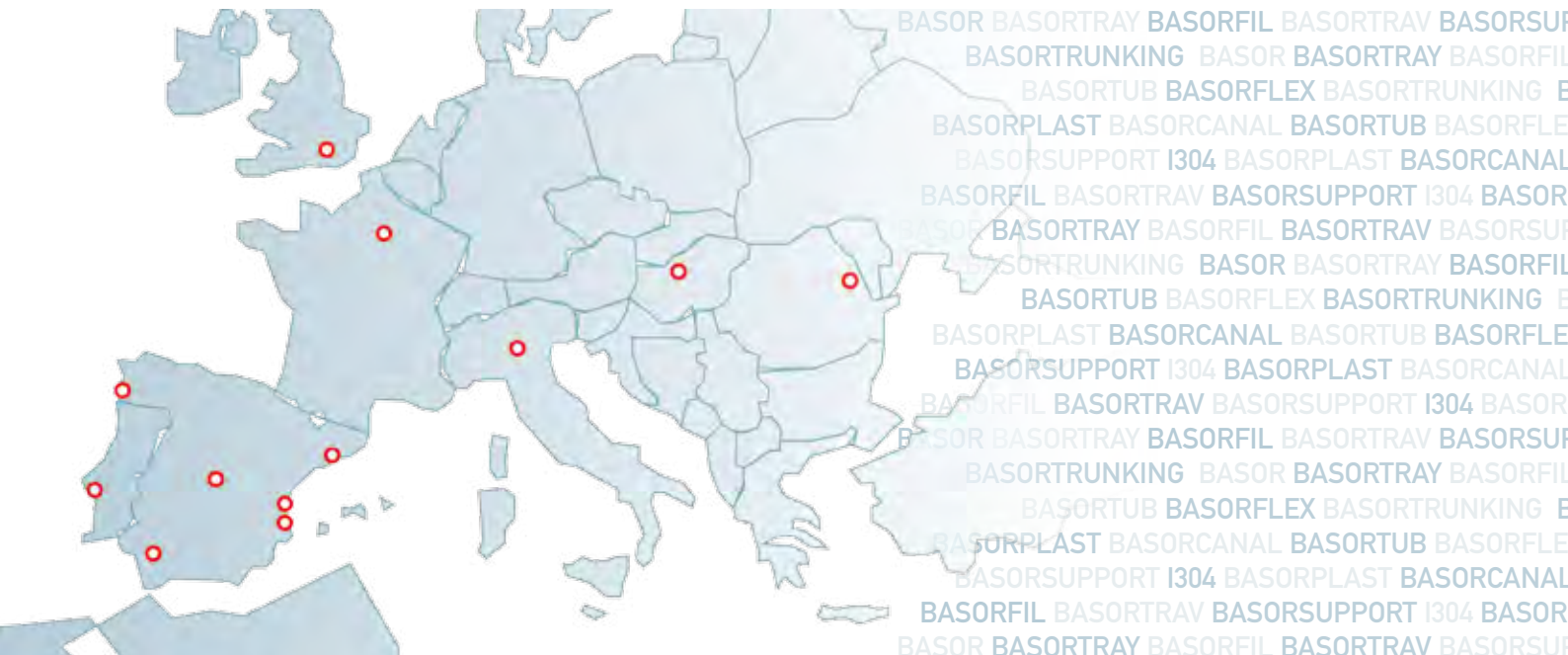


NEWS

THE COMPANY

BE basor seeks its client's success and is constantly investigating, developing and creating new products.

BE basor has been designed to supply in an efficient way.



BE basor is a recognised leader in the industry and has more than 30 years of experience in its sector.

BE basor offers an industrial compromise, seeking solutions within the industry.

BE basor offers the possibility of manufacturing products personalised for each client, fulfilling needs which the market fails to fulfil.

BE basor offers one of the broadest ranges of cable conduction systems in Europe.

SCM

METALLIC CABLE CONDUCTION SYSTEMS

Carbon steels

- Metallic cable trays
- Metallic high load cable trays
- High load wire-mesh cable trays
- Wire-mesh cable trays
- Cable ladders
- Support systems

Stainless steels

- Cable trays
- High load wire-mesh cable trays

Aluminium

- Cable trays
- Cable ladders

SCE

TRUNKING CABLE MANAGEMENT SYSTEMS

SBT

INSULATING CONDUIT CABLE CONDUCTION SYSTEMS

- Insulating rigid conduit
- Insulating flexible conduit

CEP

BUSBAR TRUNKING SYSTEMS

SCP

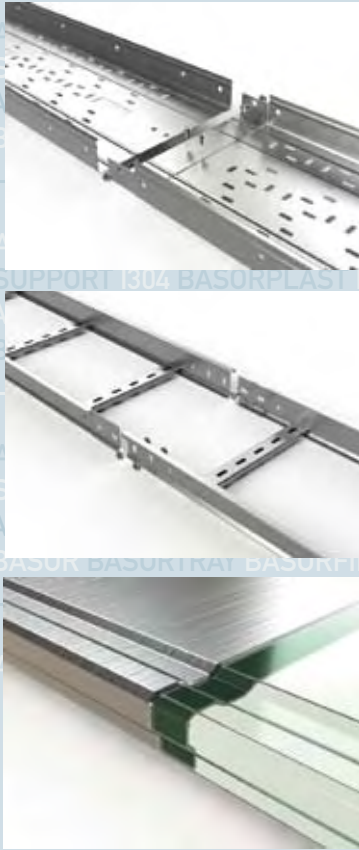
INSULATING CABLE CONDUCTION SYSTEMS

- Domestic minitrunkings
- PVC cable trays and trunkings

ACC

INSTALLATION AND ASSEMBLY ACCESSORIES

THE PRODUCTS



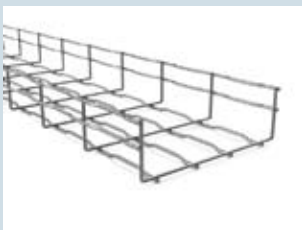
SELF-ASSEMBLY system for metallic cable trays and trunkings: The self-assembly system is the most efficient, economic and quick joining method for cable tray systems. Due to the fact that it doesn't require joint plate accessories, the installation time is reduced and the assembly becomes a much easier task. Two joint cable trays confer the union joint a rigidity which is much higher than those of traditional systems, avoiding the movements which happen between the two cable trays.

In the case of trunkings, the self-assembly system confers it a higher sealing degree. In the union between the two cable trays, one of them is placed inside the other, "sealing" the joint from the inside of the cable tray and hence avoiding the penetration of external agents. The covers have this same characteristic, avoiding in the same way the penetration of external agents as one cover is over the other and there is no space left between both covers. Moreover, this system guarantees a good trunking, even when the operator leaves the cable trays with a few millimetres of separation between them and, as the system overlaps, this allows the correction of such faults.

In all types of cable trays and trunkings, the joining of different stretches by way of self-assembly systems confers it a greater electrical continuity between the stretches, as the contact surface is greater.

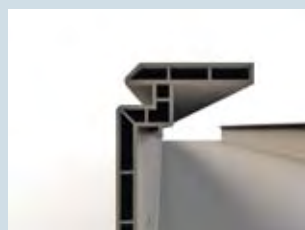
The models manufactured by Basor which deploy a self-assembly system are **ERE, FRE and FE** cable trays.

To sum it all up, the self-assembly system is the safest, **most economic and quick system for joining different stretches of cable trays.**



HIGH LOADS BASORFIL system: One of the main flaws of wire-mesh cable trays is the poor resistance to flexion which they have. Therefore, BASOR has designed a high loads system for BASORFIL BFR cable trays which confers the cable tray a resistance to flexion which is much higher than the resistance of conventional BASORFIL BF cable trays, where the wire-mesh cables are totally straight. Due to the wire-mesh cable's deflection, the BASORFIL BFR system is characterised by the high level of stiffness of the cable tray.

Moreover, BASORFIL BFR's exclusive design allows the level of the cables to be the same in the whole wire mesh, being safer than the conventional system, as it doesn't allow the cable to rest solely on the transversal wire-mesh cables.



ALVEOLAR system: The alveolar system belonging to the BASORPLAST BPI family confers the product a greater resistance to flexion/weight, facilitating its installation, manipulation and transport. Its excellent design in the shape of alveoli confers it a bending momento which is between 12 and 14 % greater than the bending momento of the conventional model, allowing alveolar cable trays to behave elastically in extreme situations where conventional cable trays behave plastically and have a risk of collapsing.

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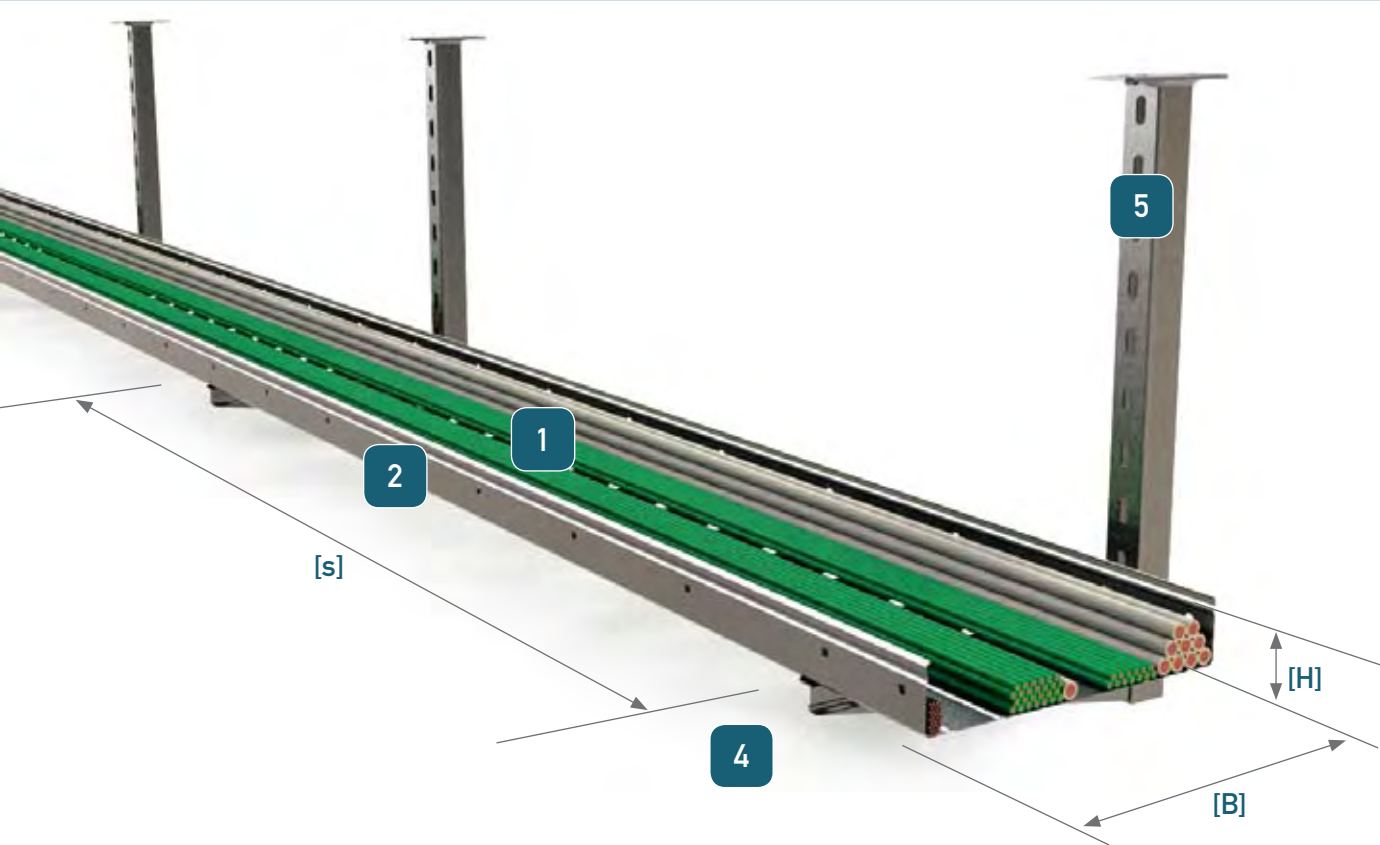
 TECHNICAL INDEX CARDS

211-313

ACRONYMS

ACRONYM	MEANING	ACRONYM	MEANING	ACRONYM	MEANING
L	LENGTH	TR	THREADED ROD	Dext	EXTERIOR DIAMETER
BP	CABLE TRAY	Dc	DEFORMITY COEFFICIENT	Dint	INTERIOR DIAMETER
BC	NON-PERFORATED CABLE TRAY	Fmax	MAX. TORSION/COMPRESSION FORCE	In (A)	NOMINAL INSTENSITY (AMPS)
SWL	SAFE WORKING LOAD	Mmax	MAX. BENDING MOMENT	(Hz)	FREQUENCY
Pap (Nm)	TORQUE IN Nm	Min T°	MIN. WORKING TEMPERATURE	3FN	3 PHASES AND NEUTRAL
B	BASE	Max T°	MAX. WORKING TEMPERATURE	FN	PHASE AND NEUTRAL
H	HEIGHT	°C	DEGREES CELSIUS	A	AREA
UVM	MINIMUM SELLING UNIT	IK	IK RATING	Wx	MODULUS RESISTANT TO X
UVE	PACKAGING SELLING UNIT	IP	IP RATING	Wy	MODULUS RESISTANT TO Y
REF.	REFERENCE	A (cm²)	USEFUL AREA	Qreac	REACTION LOAD
e	THICKNESS	DN	NOMINAL DIAMETER	Reduc	% OF REDUCTION OF THE WORKING LOAD OF PROFILE
A, B,	ADDITIONAL DIMENSIONAL SIZES WITH TECHNICAL DETAIL	Rcomp	COMPRESSION STRENGTH	Qtrac	TRACTION LOAD
PC	PC PROFILE	Rimp	IMPACT STRENGTH		

The following points shall further develop the basic steps which have to be followed in order to establish the dimensions of a cable conduction system.



- 1 Calculating the weight and areas of the cables.
- 2 Choosing the type of conduction, material and covering.
- 3 Choosing the right cable tray
[B] x [H]
- 4 Choosing a horizontal support.
[s] Support span
- 5 Choosing a ceiling support.

1 CALCULATING THE WEIGHT AND AREAS OF THE CABLES

1.1. Defining the electrical connections and the conductors for each one

As an example of its design, we shall take an electrical connection of which we have all the data provided by the cable manufacturer:

EXAMPLE OF AN ELECTRICAL CONNECTION

Nº of cables	Type	exterior Ø (mm)	Weight (kg/m)
10	3 x 16	17,1	0,70
4	3 x 25	20,8	1,10
4	3 x 50	26,4	1,86

1.2 Calculating the cable tray AREA (Amin) necessary for each cable conduction system

For this calculation, as the cable's real section does not reflect the useful area needed by the cable, the useful area of such cable shall be calculated as follows:

$$A_{\text{useful}} = \varnothing^2$$

With this data, adding up all of the useful sections of each cable and applying the security coefficient for future enlargements, the minimum area is obtained.

$$A_{\text{min}} = \left(1 + \frac{\text{C.S.}}{100}\right) \sum n \cdot A_{\text{useful}}$$

In the example which we are using, with a security coefficient of 40%, the results are as follows:

EXAMPLE OF AN ELECTRICAL CONNECTION

N	Ø (mm)	A _{useful} (mm²)	N x A _{useful}
10	17,1	292	2920
4	20,8	433	1732
4	26,4	697	2788
Subtotal			7440 mm²
40 % (SC)			2976 mm²
Amin (mm²)			10416 mm²
Amin (cm²)			104 cm²

1.3 Calculating the LOAD [Qmin] (kg/m) for each cable conduction system

In order to do so, apply the following formula:

$$Q_{min} = \left(1 + \frac{C.S.}{100}\right) \sum n \cdot Weight$$

Esto es, en el caso que nos ocupa:

EXAMPLE OF AN ELECTRICAL CONNECTION

Nº	Weight (Kg/m)	n x Weight
10	0,70	7,00
4	1,10	4,40
4	1,86	7,44
Subtotal		18,84 kg/m
40 % (C.S.)		7,54 k/m
Q_{min} (kg/m)		26 k/m

2 CHOOSING THE TYPE OF CONDUCTION, MATERIAL AND COVERING

At this point, it's necessary to decide the [TYPOLOGY] of the cable tray which is going to be used. Nevertheless, one has to bear in mind that normally, in order to look for the most economic option, different types of cable trays shall have to be taken into consideration, as this parameter shall influence other aspects of the system such as the maximum support span and, therefore, the number of support needed and the time required for their assembly.

Depending on the type of conduction which you are seeking, you may consider the following alternatives:

SCM

METALLIC CABLE CONDUCTION SYSTEMS

Metallic cable trays
Metallic high load cable trays
High load wire-mesh cable trays
Wire-mesh cable trays
Cable Ladder

SCP

INSULATING CABLE CONDUCTION SYSTEM

PVC cable trays
PVC trunkings

	Interior				Exterior		
	Dry	Humid	Chemical Industry	Food Industry	Urban	Chemical Industry	Food Industry
GS	R	L	NR	NR	L	NR	NR
CINCADO	R	L	NR	NR	L	NR	NR
BICRO	R	L	NR	NR	L	NR	NR
GC	E	R	L	NR	R	L	L
GSE	R	R	R	R	L	L	NR
I304	E	E	R	R	E	R	L
PVCM1	R	R	R	R	L	L	L
PP7035	R	R	R	R	R	R	R
PA6	R	R	R	R	R	R	R
PA6-VO	R	R	R	R	R	R	R
PA12	R	R	R	R	R	R	R
GSP	R	R	L	R	R	L	R
GCE	E	E	R	R	E	R	R
I316	E	E	E	E	E	E	R
AL	E	E	R	R	R	R	R
AL6063T6	E	E	R	R	R	R	R

R- Recommended / L- Limited Resistance / NR- Not Recommended / E- Excessive Quality

For additional information regarding the characteristics of each type of conduction or regarding the different finishes, consult the Technical Appendix (Page 193).

3 CHOOSING THE RIGHT CABLE TRAY

Process to be repeated for each cable conduction system

Data to start off with:

- Q_{min} y A_{min} calculated in sections 1.2 and 1.3 respectively.
- [TYPOLOGY] selected in section 2.

Selection process:

- Go to the section of the catalogue which corresponds to the [TYPOLOGY] which you have selected. In the first page of the selected product, you shall find a table showing the useful areas.
- Choose a cable tray which fulfils the principle of [USEFUL AREA] > A_{min}.
- Find the table of the corresponding product.
- Verify that the SWL (kg/m) of the tray chosen is > Q_{min}¹.

¹The catalogue displays the values of the SWL (Save Working Load) for the recommended support span [d]. To obtain the values of the [SWL] with other [d], consult the Technical Appendix.

In the example which is being developed:

[TYPOLOGY] = ERE. $A_{min} = 104 \text{ cm}^2$ $Q_{min} = 26 \text{ kg/m}$ $[d] = 1.5 \text{ m}$

Table showing ERE's useful areas (Page 20)

B (mm)	AREA UTIL (cm ²)			
	H35	H60	H80	H100
100	34	59	78	98
150	51	89	118	148
200	69	119	158	198
300	103	178	238	298
400	-	238	317	397
500	-	298	397	497
600	-	358	477	597

The first cable tray which complies with the conditions of $A_{min} > 104 \text{ cm}^2$ is the B=200 mm and H=60 mm cable tray.

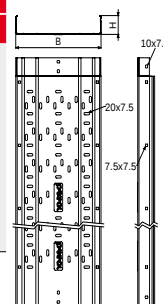
BANDEJA DE CHAPA PERFORADA ERE H60



DESCRIPCION	UVM m	UVE m	B mm	H mm	d=1,5 CTA (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/P ERE 100X60	3	24	100	60	85	2/1197	0,95	2/1227	1,42
B/P ERE 150X60	3	18	150	60	85	2/1198	1,17	2/1228	1,74
B/P ERE 200X60	3	12	200	60	85	2/1199	1,46	2/1229	1,99
B/P ERE 300X60	3	12	300	60	85	2/1201	2,03	2/1231	2,56
B/P ERE 400X60	3	6	400	60	100	2/1202	2,86	2/1232	3,54
B/P ERE 500X60	3	6	500	60	100	2/1203	3,38	2/1233	4,19
B/P ERE 600X60	3	6	600	60	100	2/1204	3,91	2/1234	4,83

To assemble the cable trays, no couplers are needed. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

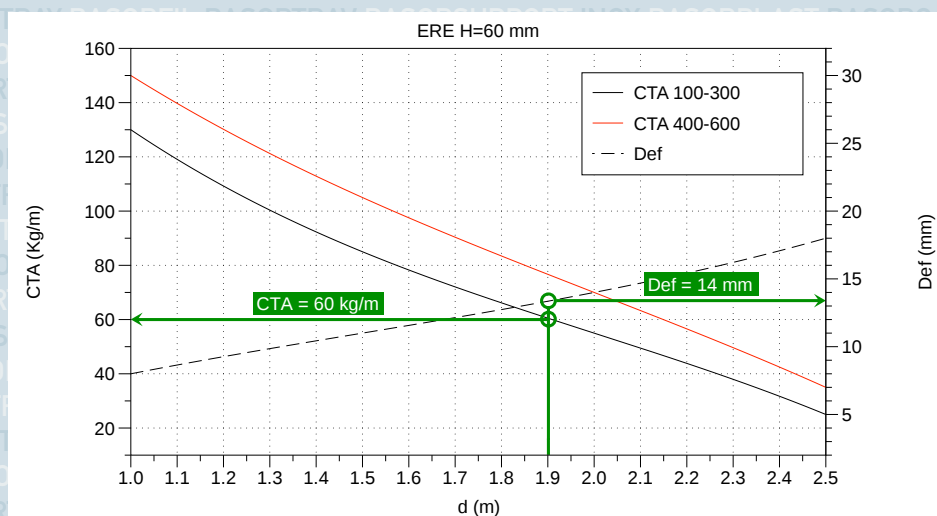
When cut has been done at the workplace, JUER H60 couplers, with reference number 2/2048 in GS or 2/2053 in GC must be used.



In this case, one must verify that the cable tray selected of B=200 mm and H=60 mm is valid, as the SWL and the support span [d] selected are less than Q_{min} ($85 > 26$).

Should you want to increase the support span, browse through the Technical Appendix, where you will find that cable trays can also be supported (for example) every 1.9 meters. The SWL is approximately 60 kg/m, with a deflection of 14 mm in the centre of the span.

For the case which we are illustrating, we shall suppose that, due to construction limitations attributable to the project, the support span is fixed at 1.5 m.



Output data:

- Cable tray model: Base [B] x Height [H] (example: B=200 and H=60 mm)
- Support span [d] (example: [d] = 1.5 m)

4 CHOOSING A HORIZONTAL SUPPORT

Process to be repeated for each cable conduction system

Data to start off with:

- [B] Base of the cable tray (data to start off with quoted in the previous section)².
- [d] Support span.
- Q_{min} (section 1.3)

Selection process:

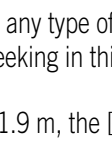
- Calculate $[F] = [Q_{min}] \times [d]$
- Go to the corresponding SWL table³ on the top part with the variable [B].
- All of the supports with a cell value greater than the [F] calculated in section "a" are valid.
- If the cable conduction systems' supports are fixed to the wall, the calculation ends here.

In the example shown, the calculation should be done as follows:

[B] = 200 (The cable tray chosen in the previous section was 200x60)

$[F] = [Q_{min}] \times [d] = 26 \text{ (kg/m)} \times 1.5 \text{ (m)} = 39$

Consulting the table:

		SWL (kg) WALL AND CURVED WALL SUPPORTS							
		B							
PRODUCT		50	100	150	200	300	400	500	600
SHO		-	85	75	100	70	-	-	-
SCR		70	70	70	70	70	70	70	60
SRB		-	60	60	60	60	60	60	60
SR WALL BRACKET		-	-	-	-	120	110	100	80

Therefore, we may conclude that any type of BASOR's supports (all of the values of column B=200 are higher than the Q_{min}) would be valid for the solution we are seeking in this case, including those which are cheaper such as SHO or SCR.

Should you have chosen a [d] = 1.9 m, the [F] = 50 kg, and therefore both models would have also been valid.

Output data:

- Support for each cable conduction system: PRODUCT + Model [B]. Example: SHO or SCR both of 200.

¹Should any obstacles need to be avoided and therefore a wider support is needed, this [B] shall be considered, and not that of the cable base. That is to say that, if in order to avoid a pillar the support needs to have a dimension of 300 even though the cable tray is only 200, the design should consider [B]=300.

²SCM/CARBON STEELS (Page 80)

SCM/STAINLESS (Page 124)

SCE (Page 136)

5 CHOOSING A CEILING SUPPORT

Data to start off with:

- Number of cable conductions which the element is capable of supporting and layout.
- For each of the cable conduction systems:
 - [F] (number them [F1], [F2], [F3]...), obtained in section 4.a.
 - [B] (number them [B1], [B2], [B3]) obtained in section 3.

A) Selection process when there are cable conductions only on one side of the pendant:

- a) Calculate $[F_{eq}]$ = Addition of all Forces.

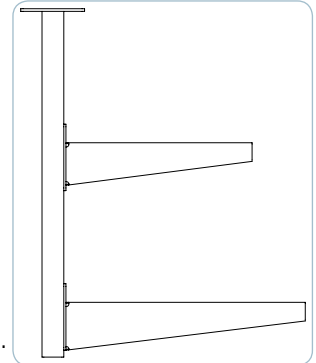
$$[F_{tot}] = \sum_i F_i$$

- b) Calculate $[B_{eq}]$ = Maximum of all of the cable tray models.

$$[B_{eq}] = \max(B_i)$$

- c) Consult values in the corresponding pendant selection table⁴ introducing variable [B].

- d) All of the supports with a cell value greater than the [Ftot] calculated in section "a" are valid.



In the example which we are using, if we suppose that, apart from the cable conduction system with which we were working previously, we also have a second cable conduction system working on the same side of the pendant with [F2] = 85 Kg y [B2] = 300, the result shall be:

$$[F_{eq}] = 39 + 85 = 124 \text{ Kg}$$

$$[B_{eq}] = \max(200; 300) = 300$$

Therefore, when consulting the ceiling supports' table for SCM/CARBON STEELS:

		SWL (kg) CEILING SUPPORT						
PRODUCT		B Horizontal support or width of the cable tray						
		50	100	150	200	300	400	500
SHOT		-	-	38	55	45	40	-
SHO 400		85	69	58	50	39	-	-
SVO + 2 VR8		-	-	270	220	200	160	130
PC + WALL BRACKET (SR)		144	127	113	102	85	73	64
PC + HEAD BRACKET (SCR)		150	120	100	86	67	55	46
SPL		304	254	218	192	154	128	110

In this case the SVO is ruled out because the cable trays have different widths.

In conclusion the necessary pendant support for assembly will be the SPL. The horizontal supports of each line have been fixed at the pendant.

⁴SCM/CARBON STEELS - Page 84

SCM/STAINLESS - Page 106

SCP - Page 124

SCE - Page 136

B) Selection process when there are cable conductions on both sides of the pendant:

a) Calculate $[F_{tot}]$ = Addition of all Forces.

$$[F_{tot}] = \sum_i F_i$$

b) Calculate $[M_{right}]$ = Addition of all momentums on right side.

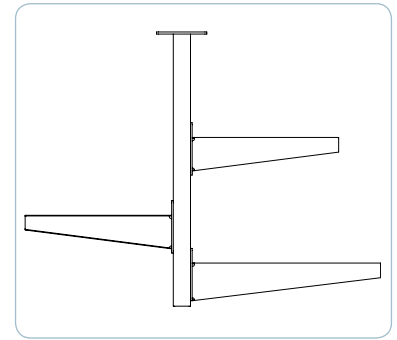
$$[M_{right}] = \sum_i F_{i_{right}} \times \left(\frac{B_{i_{right}} + 50}{2000} \right)$$

c) Calculate $[M_{left}]$ = Addition of all momentums on left side.

$$[M_{left}] = \sum_i F_{i_{left}} \times \left(\frac{B_{i_{left}} + 50}{2000} \right)$$

d) Calculate $[M_{eq}]$ = Equivalent momentum = $[M_{der}] - [M_{left}]$.

e) Consult the Safe Area Graphs (ZS) for each pendant⁵ and check if they are within the $[F_{tot}, M_{eq}]$ safe area.



In order to complete the abovementioned example, we shall suppose that, apart from the two cable conduction systems mentioned previously, there is a third one located opposite the two first systems, from which we know that $[B3] = 400$, $[F] = 60$ Kg.

LEFT	RIGHT
P3 = 60 kg	F1 = 39 kg
B3 = 400 mm	B1 = 200 mm
	F2 = 85 kg
	B2 = 300 mm

Taking this data into account, the calculation would be as follows:

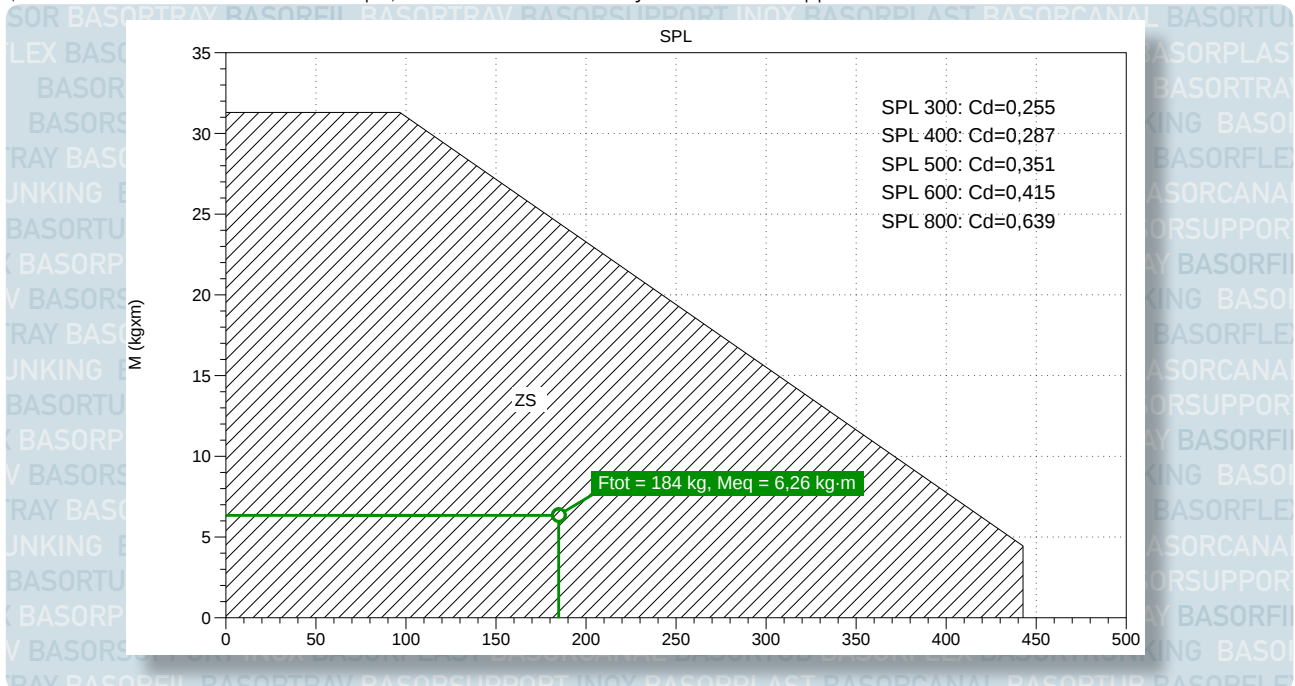
$$[F_{tot}] = [F1] + [F2] + [F3] = 39 + 85 + 60 = \mathbf{184 \text{ Kg}}$$

$$[M_{right}] = [F1 \times (B1+50)/2000] + [F2 \times (B2+50)/2000] = 4,88 + 14,88 = 19,76 \text{ Kg}\cdot\text{m}$$

$$[M_{left}] = [F3 \times (B3+50)/2000] = 13,5 \text{ Kg}\cdot\text{m}$$

$$[M_{eq}] = 19,89 - 13,5 = \mathbf{6,26 \text{ kg}\cdot\text{m}}$$

And, if we check with the Safe Area Graph, we shall be able to verify that the SPL support is also suitable.



Moreover, if we already know that a model 600 is needed, by applying the deflection coefficient (Dc), the vertical element's deflection can be calculated:

$$\text{Deflection} = [M_{eq}] \times [Cd] = 6,26 \times 0,351 = 2,20 \rightarrow 3 \text{ mm.}$$

⁵ Graphs can be consulted in the Technical Appendix.

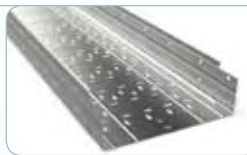
SCM

Metallic Cable Conduction Systems

CARBON STEELS

BASORTRAY

- Metallic cable trays
- Metallic high load cable trays



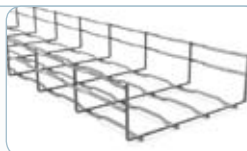
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BASORFIL

- High loads wire-mesh cable trays
- Wire-mesh cable trays



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BASORTRAV

- FE Cable ladder
- British Standard Ladder (BSL)



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62-73

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BASORSUPPORT

- Wall and curved wall supports
- Ceiling supports
- Floor supports



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80-83

84-88

89-91

1304

BASORTRAY

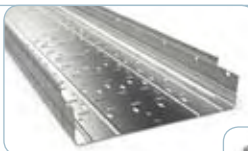
- Metallic cable trays

BASORFIL

- High loads wire-mesh cable trays

BASORSUPPORT

- Supports



96-99

100-105

106-107

ALUMINIUM

BASORTRAY

- Metallic cable trays

BASORTRAV

- Cable ladders



110-111

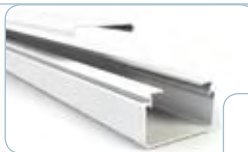
111

SCP

Insulating Cable Conduction Systems

BASORPLAST

- BPB, PVC domestic minitrunkings
- BPI, Industrial PVC trunkings and cable trays



114-115

116-123

BASORSUPPORT

- SCP supports

124-126

SCE

Trunking Cable Management Systems

BASORCANAL CT



130-135

BASORSUPPORT SCE



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SBT

Insulating Conduit Cable Conduction Systems

BASORTUB

- PVC and RLH rigid conduits



140-141

BASORFLEX

- Polyamide flexible conduits



142-145

CEP

Busbar System

BASORTRUNKING



146-151

ACC

Installation and Assembly Accessories

- 41/82 Assembly systems
- Assembly profiles
- Wall fixation profiles
- Beam fixation elements
- Threaded elements
- Concrete anchors
- Conduit fixation elements



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SOLAR

Solar Energy Fixed Structures



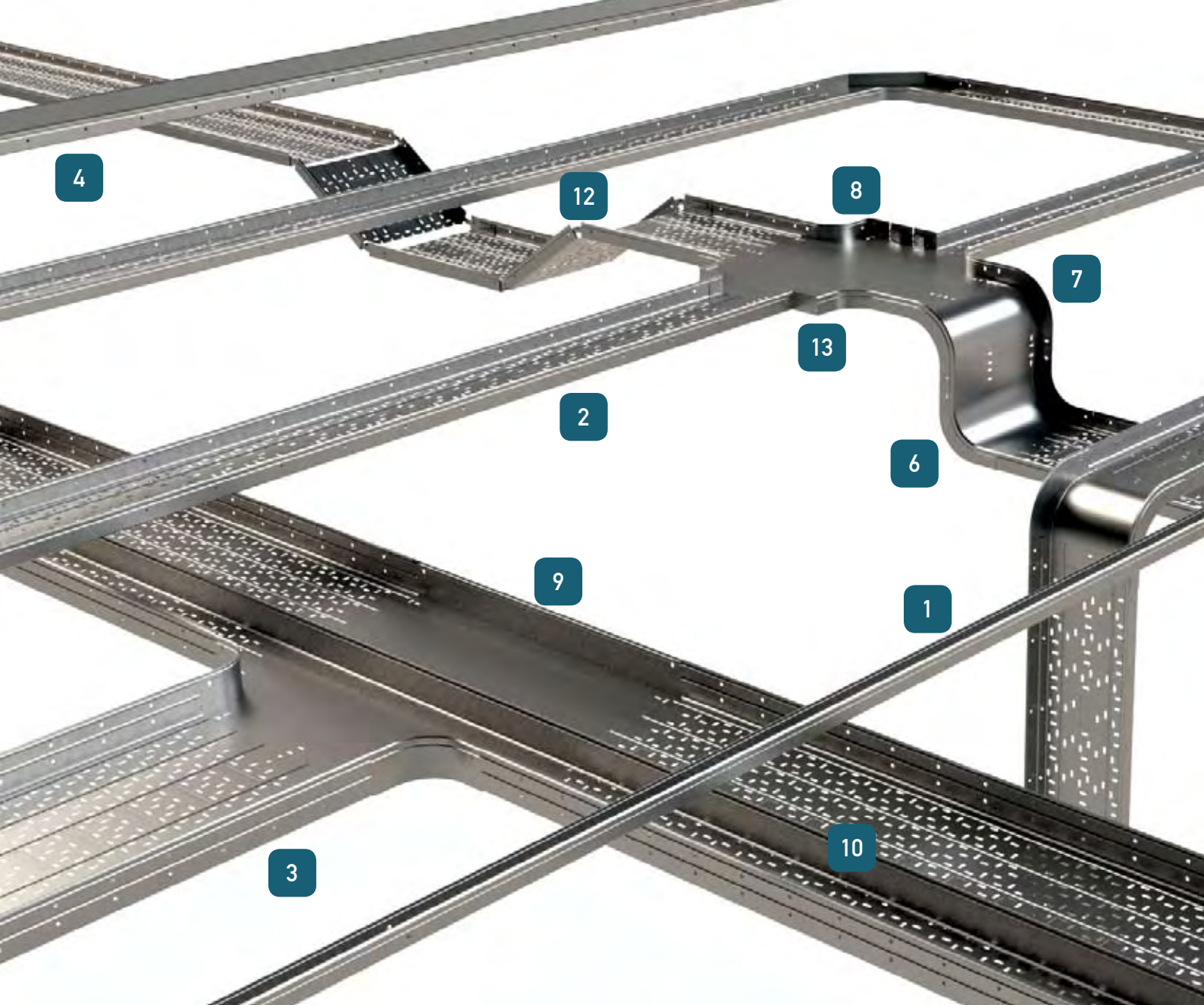
171-180

FIRE

Fire Resistant Assemblies



181-188



- 1. ER Cable tray
- 2. ERE Cable tray
- 3. FRE Cable tray
- 4. ERE Cover
- 5. CPERC Horizontal bend
- 6. CCERC Vertical inside
- 7. CXERC Vertical outside
- 8. CREC Cross Intersection
- 9. TERC T Intersection
- 10. PS Divider profile
- 11. AS Accessory
- 12. JUER-A Articulation joint
- 13. REER Reduction

SCM



METALLIC CABLE TRAYS

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ER Assemblies	Page 19
ERE	Page 20
ERE/FRE Accessories	Page 24
ERE Assemblies	Page 31

METALLIC HIGH LOAD CABLE TRAYS

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FRE Assemblies	Page 35
BS	Page 36
BS Accessories	Page 37
BS Assemblies	Page 39
U	Page 40
OME	Page 42
U/OME Accessories	Page 45
U/OME Assemblies	Page 48

- BASORTRAY is our range of metallic cable trays.
The main feature of these products is the high resistance to bending/cost of the smaller models.
- It's BASOR's broadest range, as with its 6 models it covers all need from the most basic ones to those demanded by petrochemical companies.

BASORTRAY

GS / GC



1

2

3

4

- 1 Longitudinal reinforcements to improve Resistance to flexure.
- 2 Security edge to avoid accidents during set-up.
- 3 Corners finished at 45° to improve behaviour to flexure.
- 4 Pressure-fixed covers. No accessories required.

USEFUL AREA (cm ²)	
B (mm)	H50
50	24

ER P+SBC+VR8

ER P+SCR50

ER50 P+COVER+2SBC+SBL+VR8



ER 50 PERFORATED METALLIC CABLE TRAYS

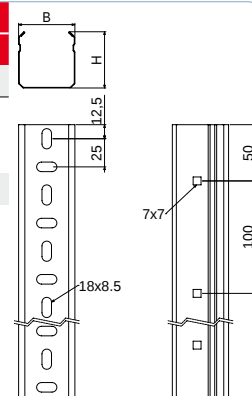


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/P ER 50X50	3	36	50	50	20	2/1191	0,65	2/1221	0,71

To assemble the cable trays, one JUER 50 must be used with reference number 2/2051 in GS or 2/5056 in GC. Each piece requires the use of 4 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

For more technical information, please consult page 211.



ER 50 NON-PERFORATED METALLIC CABLE TRAYS



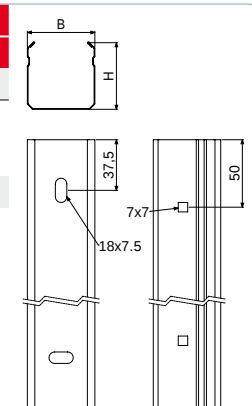
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/C ER 50X50	3	36	50	50	20	2/1251	0,69	2/1281	0,88

To assemble the cable trays, one JUER 50 must be used with reference number 2/2051 in GS or 2/5056 in GC. Each piece requires the use of 4 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

When cutting on site is necessary to drill the base or depth to fix the union.

For more technical information, please consult page 211.



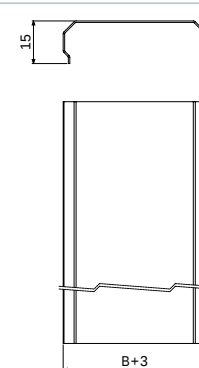
ER 50 COVER



L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	GS		GC	
				REF.	kg/m	REF.	kg/m
ER 50 COVER	3	36	50	2/1311	0,33	2/1320	0,43

To mount the cover **no accessories are needed. Fixed by pressure.**

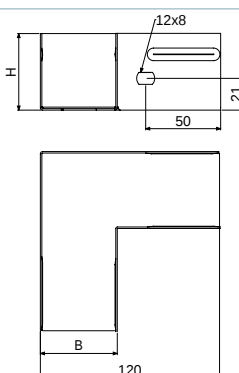


ER 50 HORIZONTAL BEND



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS	
					REF.	kg/ud
CURVA CPER 50x50 GS	1	1	50	50	2/3235	0,26

To assemble the horizontal bend, one JUER 50 must be used with reference number 2/2051 in GS or 2/5056 in GC. Each piece requires the use of 4 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

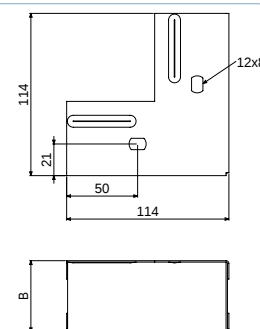


ER 50 VERTICAL INSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS	
					REF.	kg/ud
BEND CCER 50x50	1	1	50	50	2/3236	0,27

To assemble the vertical inside, one JUER 50 must be used with reference number 2/2051 in GS or 2/5056 in GC. Each piece requires the use of 4 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

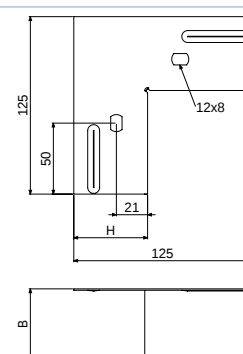


ER 50 VERTICAL OUTSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS	
					REF.	kg/ud
BEND CXER 50x50	1	1	50	50	2/3238	0,24

To assemble the vertical outside, one JUER 50 must be used with reference number 2/2051 in GS or 2/5056 in GC. Each piece requires the use of 4 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

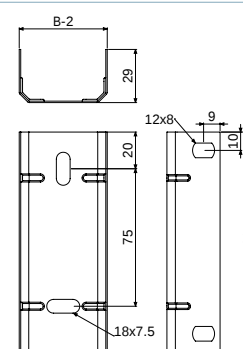


JUER 50 UNION



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
J/UNION JUER 50X50	1	250	50	50	2/2051	0,09	2/2056	0,01

To assemble the coupler, requires the use of 4 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

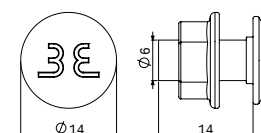


B1 BOLT SET



DESCRIPTION	UVM ud	UVE ud	Pap Nm	CINCADO		GC	
				REF.	kg/ud	REF.	kg/ud
B1 bolt set M6x14	1	1	6	2/4356	1,00	2/6826	1,00

The B1 bolt set consists of a M6x14 DIN 603 mushroom head square neck bolt and a M6 DIN 6923 flange nut with serration for a perfect fit. Used to mount all accessories BASORTRAY Series.



ER MOUNTS

JUER 50 COUPLER



ER 50 HORIZONTAL BEND



ER 50 VERTICAL INSIDE



ER 50 VERTICAL OUTSIDE



ER P+SBC+VR8



SBC - Page 167
VR8 - Page 166

ER P+SCR50

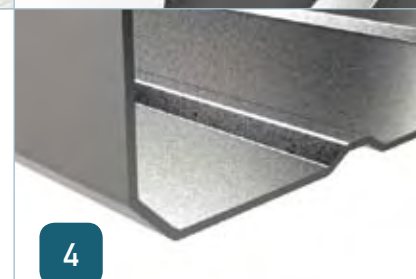


SCR - Page 81

ER50 P+TAPA+2SBC+SBL+VR8



SBC - Page 167
SBL - Page 167
VR8 - Page 166

P | PATENTED
9800892

1 SELF-ASSEMBLY fixation system between cable trays.

- No couplers needed
- Easier to install
- Less time required for installation
- Union with higher degree of rigidity

2 Longitudinal reinforcements to improve Resistance to flexure.

3 Security edge to avoid accidents during set-up.

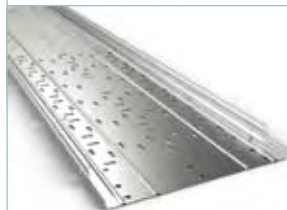
4 Corners finished at 45° to improve behaviour to flexure.

5 Pressure-fixed covers. No accessories required.

6 Accessories with circular insides to avoid damaging the cables.

B (mm)	USEFUL AREA (cm ²)			
	H35	H60	H80	H100
100	34	59	78	98
150	51	89	118	148
200	69	119	158	198
300	103	178	238	298
400	-	238	317	397
500	-	298	397	497
600	-	358	477	597

ERE H35 PERFORATED METALLIC CABLE TRAY



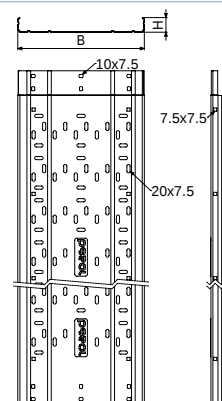
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/P ERE 100X35	3	30	100	35	70	2/1192	0,74	2/1222	1,1
B/P ERE 150X35	3	24	150	35	70	2/1193	0,95	2/1223	1,42
B/P ERE 200X35	3	18	200	35	70	2/1194	1,12	2/1224	1,67
B/P ERE 300X35	3	12	300	35	70	2/1195	1,64	2/1225	2,24

To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts (6 in the case of model 300), with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H35 couplers, with reference number 2/2047 in GS or 2/2052 in GC, must be used.

For more technical information, please consult page 211.



ERE H35 NON-PERFORATED METALLIC CABLE TRAY



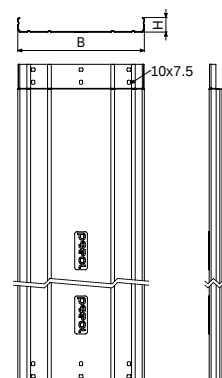
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/C ERE 100X35	3	30	100	35	70	2/1252	0,76	2/1282	1,14
B/C ERE 150X35	3	24	150	35	70	2/1253	0,98	2/1283	1,46
B/C ERE 200X35	3	18	200	35	70	2/1254	1,20	2/1284	1,78
B/C ERE 300X35	3	12	300	35	70	2/1255	1,77	2/1285	2,42

To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts (6 in the case of model 300), with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H35 couplers, with reference number 2/2047 in GS or 2/2052 in GC, must be used.

For more technical information, please consult page 211.



ERE H60 PERFORATED METALLIC CABLE TRAY



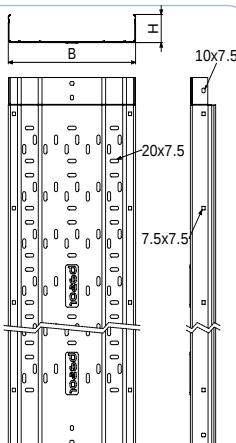
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/P ERE 100X60	3	24	100	60	85	2/1197	0,95	2/1227	1,42
B/P ERE 150X60	3	18	150	60	85	2/1198	1,17	2/1228	1,74
B/P ERE 200X60	3	12	200	60	85	2/1199	1,46	2/1229	1,99
B/P ERE 300X60	3	12	300	60	85	2/1201	2,03	2/1231	2,56
B/P ERE 400X60	3	6	400	60	100	2/1202	2,86	2/1232	3,54
B/P ERE 500X60	3	6	500	60	100	2/1203	3,38	2/1233	4,19
B/P ERE 600X60	3	6	600	60	100	2/1204	3,91	2/1234	4,83

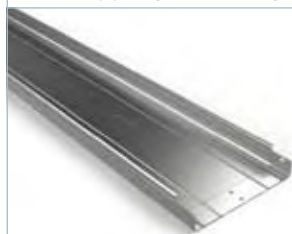
To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H60 couplers, with reference number 2/2048 in GS or 2/2053 in GC, must be used.

For more technical information, please consult page 211.



ERE H60 NON-PERFORATED METALLIC CABLE TRAY



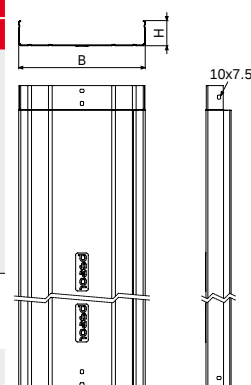
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/C ERE 100X60	3	24	100	60	85	2/1257	0,98	2/1287	1,46
B/C ERE 150X60	3	18	150	60	85	2/1258	1,20	2/1288	1,78
B/C ERE 200X60	3	12	200	60	85	2/1259	1,54	2/1289	2,10
B/C ERE 300X60	3	12	300	60	85	2/1261	2,18	2/1291	2,75
B/C ERE 400X60	3	6	400	60	100	2/1262	3,10	2/1292	3,84
B/C ERE 500X60	3	6	500	60	100	2/1263	3,69	2/1293	4,57
B/C ERE 600X60	3	6	600	60	100	2/1264	4,28	2/1294	5,30

To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H60 couplers, with reference number 2/2048 in GS or 2/2053 in GC, must be used.

For more technical information, please consult page 211.



ERE H80 PERFORATED METALLIC CABLE TRAY



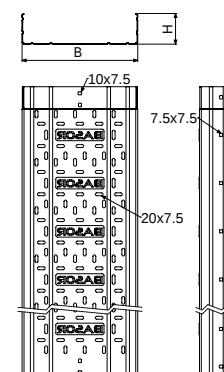
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/P ERE 100X80	3	24	100	80	115	2/1205	1,12	2/1235	1,68
B/P ERE 150X80	3	18	150	80	115	2/1206	1,34	2/1236	2,00
B/P ERE 200X80	3	12	200	80	115	2/1207	1,64	2/1237	2,24
B/P ERE 300X80	3	12	300	80	115	2/1209	2,23	2/1239	3,19
B/P ERE 400X80	3	6	400	80	130	2/1210	3,10	2/1240	3,83
B/P ERE 500X80	3	6	500	80	130	2/1211	3,86	2/1241	5,50
B/P ERE 600X80	3	6	600	80	130	2/1212	5,52	2/1242	6,29

To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H80 couplers, with reference number 2/2049 in GS or 2/2054 in GC, must be used.

For more technical information, please consult page 211.



ERE H80 NON-PERFORATED METALLIC CABLE TRAY



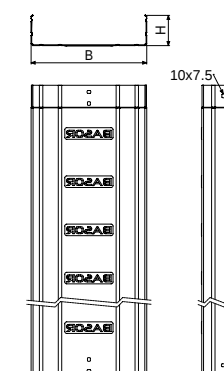
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/C ERE 100X80	3	24	100	80	115	2/1265	1,15	2/1295	1,72
B/C ERE 150X80	3	18	150	80	115	2/1266	1,37	2/1296	2,03
B/C ERE 200X80	3	12	200	80	115	2/1267	1,73	2/1297	2,36
B/C ERE 300X80	3	12	300	80	115	2/1269	2,38	2/1299	3,40
B/C ERE 400X80	3	6	400	80	130	2/1270	3,34	2/1300	4,13
B/C ERE 500X80	3	6	500	80	130	2/1271	4,19	2/1301	5,97
B/C ERE 600X80	3	6	600	80	130	2/1272	6,02	2/1302	6,86

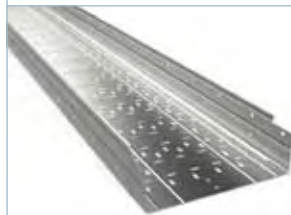
To assemble the cable trays, no couplers are needed. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H80 couplers, with reference number 2/2049 in GS or 2/2054 in GC, must be used.

For more technical information, please consult page 211.



ERE H100 PERFORATED METALLIC CABLE TRAY



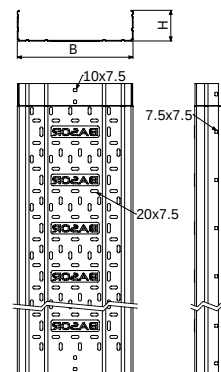
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/P ERE 100X100	3	18	100	100	125	2/1213	1,3	2/1243	1,93
B/P ERE 150X100	3	12	150	100	125	2/1214	1,51	2/1244	2,25
B/P ERE 200X100	3	12	200	100	125	2/1215	1,83	2/1245	2,5
B/P ERE 300X100	3	12	300	100	125	2/1217	2,44	2/1247	3,48
B/P ERE 400X100	3	6	400	100	145	2/1218	3,33	2/1248	4,13
B/P ERE 500X100	3	6	500	100	145	2/1219	4,11	2/1249	5,86
B/P ERE 600X100	3	6	600	100	145	2/1220	5,84	2/1250	6,65

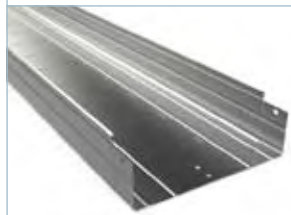
To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H100 couplers, with reference number 2/2050 in GS or 2/2055 in GC, must be used.

For more technical information, please consult page 211.



ERE H100 NON-PERFORATED METALLIC CABLE TRAY



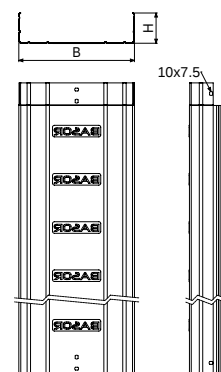
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	GS		GC	
						REF.	kg/m	REF.	kg/m
B/C ERE 100X100	3	18	100	100	125	2/1273	1,33	2/1303	1,97
B/C ERE 150X100	3	12	150	100	125	2/1274	1,54	2/1304	2,30
B/C ERE 200X100	3	12	200	100	125	2/1275	1,92	2/1305	2,62
B/C ERE 300X100	3	12	300	100	125	2/1277	2,59	2/1307	3,69
B/C ERE 400X100	3	6	400	100	145	2/1278	3,57	2/1308	4,42
B/C ERE 500X100	3	6	500	100	145	2/1279	4,44	2/1309	6,33
B/C ERE 600X100	3	6	600	100	145	2/1280	6,33	2/1310	7,22

To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H100 couplers, with reference number 2/2050 in GS or 2/2055 in GC, must be used.

For more technical information, please consult page 211.



COVER ERE FOR METALLIC CABLE TRAY



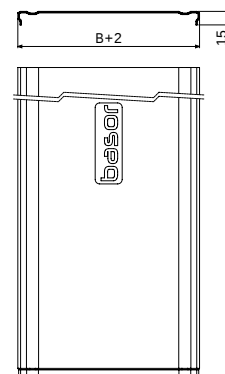
L = 3 m

(400/500/600 - L = 2 m)

DESCRIPTION	UVM m	UVE m	B mm	GS		GC	
				REF.	kg/m	REF.	kg/m
TAPA ERE 100	3	24	100	2/1312	0,549	2/1321	0,82
TAPA ERE 150	3	24	150	2/1313	0,76	2/1322	1,14
TAPA ERE 200	3	24	200	2/1314	0,98	2/1323	1,46
TAPA ERE 300	3	18	300	2/1316	1,544	2/1325	2,11
TAPA ERE 400	2	12	400	2/1317	2,184	2/1326	2,75
TAPA ERE 500	2	8	500	2/1318	3,11	2/1327	3,85
TAPA ERE 600	2	8	600	2/1319	3,947	2/1328	4,58

To mount the cover **no accessories are needed**. Fixed by pressure.

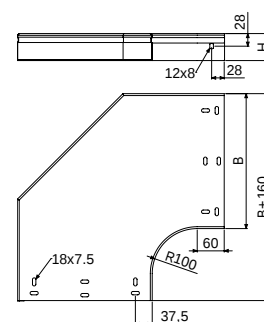
The covers are self-assembly to improve its degrees of protection (IP code)



CPERC HORIZONTAL BEND



DESCRIPTION	UVM	UVE	B	H	GS		GC	
	ud	ud	mm	mm	REF.	kg/ud	REF.	kg/ud
CPERC 100x35	1	4	100	35	2/1337	0,59	2/1368	0,67
CPERC 150x35	1	4	150	35	2/1338	0,75	2/1369	0,86
CPERC 200x35	1	4	200	35	2/1339	1,00	2/1370	1,11
CPERC 300x35	1	4	300	35	2/1340	1,61	2/1371	1,84
CPERC 100x60	1	4	100	60	2/1344	0,70	2/1375	0,79
CPERC 150x60	1	4	150	60	2/1345	0,88	2/1376	1,00
CPERC 200x60	1	4	200	60	2/1346	1,14	2/1377	1,30
CPERC 300x60	1	4	300	60	2/1348	1,77	2/1379	2,02
CPERC 400x60	1	2	400	60	2/1349	2,53	2/1380	2,89
CPERC 500x60	1	2	500	60	2/1350	3,42	2/1381	3,90
CPERC 600x60	1	2	600	60	2/1351	4,44	2/1382	5,06
CPERC 100x80	1	4	100	80	2/1352	0,96	2/1383	1,09
CPERC 150x80	1	4	150	80	2/1353	1,23	2/1384	1,41
CPERC 200x80	1	4	200	80	2/1354	1,54	2/1385	1,76
CPERC 300x80	1	4	300	80	2/1356	2,29	2/1387	2,61
CPERC 400x80	1	2	400	80	2/1357	3,18	2/1388	3,63
CPERC 500x80	1	2	500	80	2/1358	4,24	2/1389	4,83
CPERC 600x80	1	2	600	80	2/1359	5,45	2/1390	6,21
CPERC 100x100	1	4	100	100	2/1360	1,05	2/1391	1,20
CPERC 150x100	1	4	150	100	2/1361	1,33	2/1392	1,52
CPERC 200x100	1	4	200	100	2/1362	1,65	2/1393	1,88
CPERC 300x100	1	4	300	100	2/1364	2,42	2/1395	2,76
CPERC 400x100	1	2	400	100	2/1365	3,34	2/1396	3,80
CPERC 500x100	1	2	500	100	2/1366	4,41	2/1397	5,03
CPERC 600x100	1	2	600	100	2/1367	5,64	2/1398	6,44



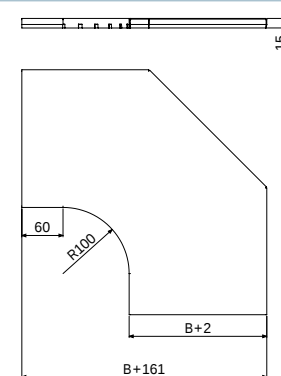
The horizontal bend can be mounted either from the plug part or from the non-plug part. If mounted from the non-plug part is necessary to use two joints JUER of the corresponding height. In both cases, it requires the use of 4 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

The height 35 does not have holes in the sides. It joins at the base.

COVER CPERC HORIZONTAL BEND



DESCRIPTION	UVM	UVE	B	GS		GC	
	ud	ud	mm	REF.	kg/ud	REF.	kg/ud
TAPA CPERC 100	1	12	100	2/1430	0,27	2/1437	0,31
TAPA CPERC 150	1	12	150	2/1431	0,41	2/1438	0,48
TAPA CPERC 200	1	12	200	2/1432	0,57	2/1439	0,67
TAPA CPERC 300	1	8	300	2/1433	0,97	2/1440	1,13
TAPA CPERC 400	1	8	400	2/1434	1,46	2/1441	1,71
TAPA CPERC 500	1	6	500	2/1435	2,04	2/1442	2,39
TAPA CPERC 600	1	6	600	2/1436	2,71	2/1443	3,17

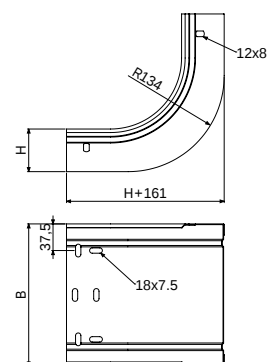


No accessories required for mounting. Pressure-fixed covers.

CCERC VERTICAL INSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
CCERC 100x35	1	6	100	35	2/1451	0,34	2/1482	0,39
CCERC 150x35	1	6	150	35	2/1452	0,45	2/1483	0,51
CCERC 200x35	1	6	200	35	2/1453	0,55	2/1484	0,63
CCERC 300x35	1	4	300	35	2/1454	0,76	2/1485	0,87
CCERC 100x60	1	4	100	60	2/1458	0,50	2/1489	0,57
CCERC 150x60	1	4	150	60	2/1459	0,62	2/1490	0,71
CCERC 200x60	1	4	200	60	2/1460	0,74	2/1491	0,84
CCERC 300x60	1	2	300	60	2/1462	0,98	2/1493	1,12
CCERC 400x60	1	2	400	60	2/1463	1,22	2/1494	1,39
CCERC 500x60	1	2	500	60	2/1464	1,46	2/1495	1,67
CCERC 600x60	1	2	600	60	2/1465	1,71	2/1496	1,94
CCERC 100x80	1	4	100	80	2/1466	0,66	2/1497	0,75
CCERC 150x80	1	4	150	80	2/1467	0,79	2/1498	0,90
CCERC 200x80	1	4	200	80	2/1468	0,92	2/1499	1,05
CCERC 300x80	1	2	300	80	2/1470	1,19	2/1501	1,36
CCERC 400x80	1	2	400	80	2/1471	1,46	2/1502	1,66
CCERC 500x80	1	2	500	80	2/1472	1,72	2/1503	1,96
CCERC 600x80	1	2	600	80	2/1473	1,99	2/1504	2,27
CCERC 100x100	1	4	100	100	2/1474	0,78	2/1505	0,89
CCERC 150x100	1	4	150	100	2/1475	0,93	2/1506	1,06
CCERC 200x100	1	4	200	100	2/1476	1,07	2/1507	1,22
CCERC 300x100	1	2	300	100	2/1478	1,36	2/1509	1,55
CCERC 400x100	1	2	400	100	2/1479	1,65	2/1510	1,89
CCERC 500x100	1	2	500	100	2/1480	1,95	2/1511	2,22
CCERC 600x100	1	2	600	100	2/1481	2,24	2/1512	2,55



The vertical inside can be mounted either from the plug part or from the non-plug part. If mounted from the non-plug part is necessary to use two joints JUER of the corresponding height. In both cases, it requires the use of 4 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

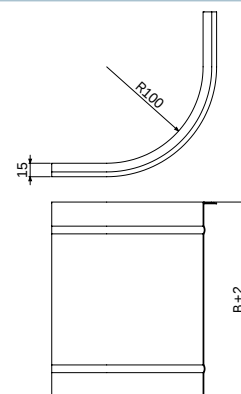
The height 35 does not have holes in the sides. It joins at the base.

COVER CCERC VERTICAL INSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	GS		GC	
				REF.	kg/ud	REF.	kg/ud
TAPA CCERC 100	1	6	100	2/1544	0,23	2/1551	0,27
TAPA CCERC 150	1	6	150	2/1545	0,32	2/1552	0,37
TAPA CCERC 200	1	6	200	2/1546	0,41	2/1553	0,47
TAPA CCERC 300	1	6	300	2/1547	0,58	2/1554	0,67
TAPA CCERC 400	1	6	400	2/1548	0,75	2/1555	0,88
TAPA CCERC 500	1	6	500	2/1549	0,93	2/1556	1,08
TAPA CCERC 600	1	6	600	2/1550	1,10	2/1557	1,28

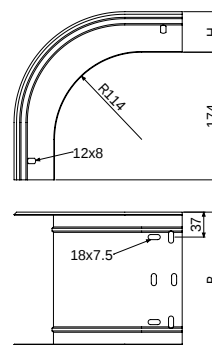
No accessories required for mounting. Pressure-fixed covers.



CXERC VERTICAL OUTSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
CXERC 100x35	1	6	100	35	2/1565	0,32	2/1596	0,37
CXERC 150x35	1	6	150	35	2/1566	0,42	2/1597	0,48
CXERC 200x35	1	6	200	35	2/1567	0,51	2/1598	0,58
CXERC 300x35	1	4	300	35	2/1568	0,70	2/1599	0,80
CXERC 100x60	1	4	100	60	2/1572	0,45	2/1603	0,51
CXERC 150x60	1	4	150	60	2/1573	0,54	2/1604	0,62
CXERC 200x60	1	4	200	60	2/1574	0,64	2/1605	0,72
CXERC 300x60	1	2	300	60	2/1576	0,82	2/1607	0,94
CXERC 400x60	1	2	400	60	2/1577	1,01	2/1608	1,15
CXERC 500x60	1	2	500	60	2/1578	1,20	2/1609	1,37
CXERC 600x60	1	2	600	60	2/1579	1,39	2/1610	1,58
CXERC 100x80	1	4	100	80	2/1580	0,58	2/1611	0,66
CXERC 150x80	1	4	150	80	2/1581	0,67	2/1612	0,77
CXERC 200x80	1	4	200	80	2/1582	0,77	2/1613	0,88
CXERC 300x80	1	2	300	80	2/1584	0,96	2/1615	1,09
CXERC 400x80	1	2	400	80	2/1585	1,14	2/1616	1,31
CXERC 500x80	1	2	500	80	2/1586	1,33	2/1617	1,52
CXERC 600x80	1	2	600	80	2/1587	1,52	2/1618	1,73
CXERC 100x100	1	4	100	100	2/1588	0,67	2/1619	0,77
CXERC 150x100	1	4	150	100	2/1589	0,77	2/1620	0,88
CXERC 200x100	1	4	200	100	2/1590	0,86	2/1621	0,98
CXERC 300x100	1	2	300	100	2/1592	1,05	2/1623	1,20
CXERC 400x100	1	2	400	100	2/1593	1,24	2/1624	1,41
CXERC 500x100	1	2	500	100	2/1594	1,43	2/1625	1,63
CXERC 600x100	1	2	600	100	2/1595	1,62	2/1626	1,93



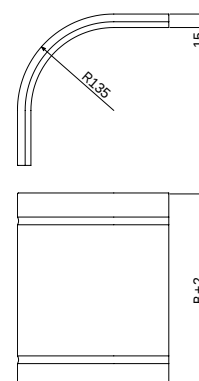
The vertical outside can be mounted either from the plug part or from the non-plug part. If mounted from the non-plug part is necessary to use two joints JUER of the corresponding height. In both cases, it requires the use of 4 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

The height 35 does not have holes in the sides. It joins at the base.

COVER CXERC VERTICAL OUTSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	GS		GC	
				REF.	kg/ud	REF.	kg/ud
TAPA CXERC 100x35	1	6	100	2/1658	0,29	2/1689	0,34
TAPA CXERC 150x35	1	6	150	2/1659	0,40	2/1690	0,47
TAPA CXERC 200x35	1	6	200	2/1660	0,52	2/1691	0,60
TAPA CXERC 300x35	1	6	300	2/1661	0,74	2/1692	0,86
TAPA CXERC 100x60	1	6	100	2/1665	0,34	2/1696	0,39
TAPA CXERC 150x60	1	6	150	2/1666	0,46	2/1697	0,54
TAPA CXERC 200x60	1	6	200	2/1667	0,59	2/1698	0,68
TAPA CXERC 300x60	1	6	300	2/1669	0,84	2/1700	0,98
TAPA CXERC 400x60	1	6	400	2/1670	1,10	2/1701	1,28
TAPA CXERC 500x60	1	6	500	2/1671	1,36	2/1702	1,57
TAPA CXERC 600x60	1	6	600	2/1672	1,61	2/1703	1,87
TAPA CXERC 100x80	1	6	100	2/1673	0,37	2/1704	0,43
TAPA CXERC 150x80	1	6	150	2/1674	0,51	2/1705	0,59
TAPA CXERC 200x80	1	6	200	2/1675	0,65	2/1706	0,75
TAPA CXERC 300x80	1	6	300	2/1677	0,93	2/1708	1,08
TAPA CXERC 400x80	1	6	400	2/1678	1,21	2/1709	1,40
TAPA CXERC 500x80	1	6	500	2/1679	1,49	2/1710	1,73
TAPA CXERC 600x80	1	6	600	2/1680	1,77	2/1711	2,05
TAPA CXERC 100x100	1	6	100	2/1681	0,40	2/1712	0,47
TAPA CXERC 150x100	1	6	150	2/1682	0,55	2/1713	0,64
TAPA CXERC 200x100	1	6	200	2/1683	0,71	2/1714	0,82
TAPA CXERC 300x100	1	6	300	2/1685	1,01	2/1716	1,18
TAPA CXERC 400x100	1	6	400	2/1686	1,32	2/1717	1,53
TAPA CXERC 500x100	1	6	500	2/1687	1,62	2/1718	1,88
TAPA CXERC 600x100	1	6	600	2/1688	1,93	2/1719	2,24

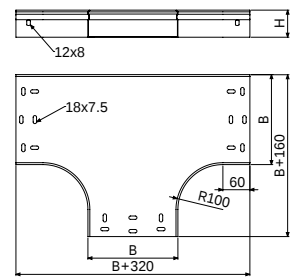


No accessories required for mounting. Pressure-fixed covers.

TERC INTERSECTION



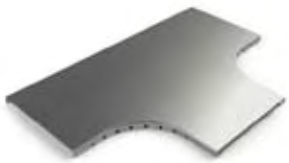
DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
TERC 100x35	1	4	100	35	2/1751	0,81	2/1782	0,93
TERC 150x35	1	4	150	35	2/1752	1,11	2/1783	1,27
TERC 200x35	1	4	200	35	2/1753	1,58	2/1784	1,80
TERC 300x35	1	4	300	35	2/1754	2,26	2/1785	2,57
TERC 100x60	1	4	100	60	2/1758	0,96	2/1789	1,09
TERC 150x60	1	4	150	60	2/1759	1,27	2/1790	1,45
TERC 200x60	1	4	200	60	2/1760	1,74	2/1791	1,98
TERC 300x60	1	4	300	60	2/1762	2,44	2/1793	2,78
TERC 400x60	1	4	400	60	2/1763	3,41	2/1794	3,89
TERC 500x60	1	2	500	60	2/1764	4,54	2/1795	5,18
TERC 600x60	1	2	600	60	2/1765	5,83	2/1796	6,64
TERC 100x80	1	4	100	80	2/1766	1,07	2/1797	1,22
TERC 150x80	1	4	150	80	2/1767	1,38	2/1798	1,58
TERC 200x80	1	4	200	80	2/1768	1,86	2/1799	2,12
TERC 300x80	1	4	300	80	2/1770	2,57	2/1801	2,93
TERC 400x80	1	4	400	80	2/1771	3,55	2/1802	4,05
TERC 500x80	1	2	500	80	2/1772	4,70	2/1803	5,35
TERC 600x80	1	2	600	80	2/1773	5,99	2/1804	6,83
TERC 100x100	1	4	100	100	2/1774	1,19	2/1805	1,36
TERC 150x100	1	4	150	100	2/1775	1,51	2/1806	1,72
TERC 200x100	1	4	200	100	2/1776	2,00	2/1807	2,28
TERC 300x100	1	4	300	100	2/1778	2,71	2/1809	3,09
TERC 400x100	1	4	400	100	2/1779	3,71	2/1810	4,23
TERC 500x100	1	2	500	100	2/1780	4,87	2/1811	5,55
TERC 600x100	1	2	600	100	2/1781	6,18	2/1812	7,04



The T intersection can be mounted either from the plug part or from the non-plug part. If mounted from the non-plug part is necessary to use four joints JUER of the corresponding height. In both cases, it requires the use of 8 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

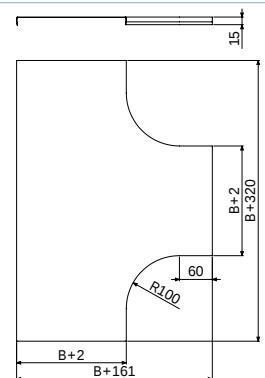
The height 35 does not have holes in the sides. It joins at the base.

COVER TERC INTERSECTION

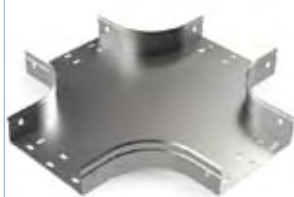


DESCRIPTION	UVM ud	UVE ud	B mm	GS		GC	
				REF.	kg/ud	REF.	kg/ud
TAPA TERC 100	1	10	100	2/1844	0,45	2/1852	0,53
TAPA TERC 150	1	10	150	2/1845	0,66	2/1853	0,77
TAPA TERC 200	1	8	200	2/1846	0,89	2/1854	1,04
TAPA TERC 300	1	8	300	2/1848	1,44	2/1855	1,68
TAPA TERC 400	1	4	400	2/1849	2,09	2/1856	2,45
TAPA TERC 500	1	4	500	2/1850	2,86	2/1857	3,35
TAPA TERC 600	1	4	600	2/1851	3,74	2/1858	4,37

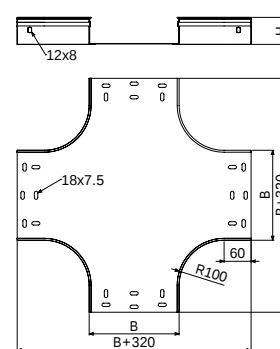
No accessories required for mounting. Pressure-fixed covers.



CRERC INTERSECTION



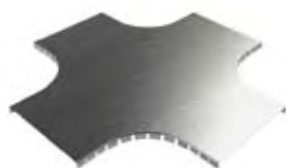
DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
CRERC 100x35	1	4	100	35	2/1866	1,02	2/1897	1,16
CRERC 150x35	1	4	150	35	2/1867	1,37	2/1898	1,56
CRERC 200x35	1	4	200	35	2/1868	1,76	2/1899	2,00
CRERC 300x35	1	4	300	35	2/1869	2,65	2/1900	3,02
CRERC 100x60	1	4	100	60	2/1873	1,19	2/1904	1,35
CRERC 150x60	1	4	150	60	2/1874	1,54	2/1905	1,75
CRERC 200x60	1	4	200	60	2/1875	1,92	2/1906	2,19
CRERC 300x60	1	4	300	60	2/1877	2,82	2/1908	3,21
CRERC 400x60	1	4	400	60	2/1878	3,87	2/1909	4,41
CRERC 500x60	1	2	500	60	2/1879	5,08	2/1910	5,79
CRERC 600x60	1	2	600	60	2/1872	6,28	2/1911	7,35
CRERC 100x80	1	4	100	80	2/1881	1,31	2/1912	1,50
CRERC 150x80	1	4	150	80	2/1882	1,66	2/1913	1,89
CRERC 200x80	1	4	200	80	2/1883	2,05	2/1914	2,34
CRERC 300x80	1	4	300	80	2/1885	2,94	2/1916	3,36
CRERC 400x80	1	4	400	80	2/1886	4,00	2/1917	4,56
CRERC 500x80	1	2	500	80	2/1887	5,21	2/1918	5,93
CRERC 600x80	1	2	600	80	2/1880	6,45	2/1919	7,49
CRERC 100x100	1	4	100	100	2/1889	1,45	2/1920	1,65
CRERC 150x100	1	4	150	100	2/1890	1,80	2/1921	2,05
CRERC 200x100	1	4	200	100	2/1891	2,19	2/1922	2,49
CRERC 300x100	1	4	300	100	2/1893	3,08	2/1924	3,51
CRERC 400x100	1	4	400	100	2/1894	4,14	2/1925	4,71
CRERC 500x100	1	2	500	100	2/1895	5,34	2/1926	6,09
CRERC 600x100	1	2	600	100	2/1896	6,71	2/1927	7,65



The CRERC intersection can be mounted either from the plug part or from the non-plug part. If mounted from the non-plug part is necessary to use six joints JUER of the corresponding height. In both cases, it requires the use of 12 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

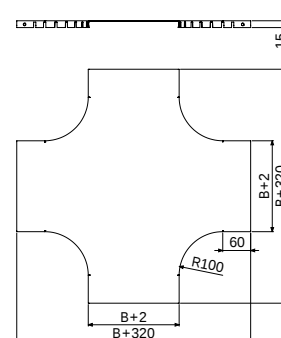
The height 35 does not have holes in the sides. It joins at the base.

COVER CRERC INTERSECTION



DESCRIPTION	UVM ud	UVE ud	B mm	GS		GC	
				REF.	kg/ud	REF.	kg/ud
TAPA CRERC 100	1	10	100	2/1959	0,60	2/1967	0,70
TAPA CRERC 150	1	10	150	2/1960	0,84	2/1968	0,99
TAPA CRERC 200	1	8	200	2/1961	1,11	2/1969	1,30
TAPA CRERC 300	1	8	300	2/1963	1,74	2/1971	2,04
TAPA CRERC 400	1	4	400	2/1964	2,48	2/1972	2,90
TAPA CRERC 500	1	4	500	2/1965	3,32	2/1973	3,89
TAPA CRERC 600	1	4	600	2/1966	4,28	2/1974	5,01

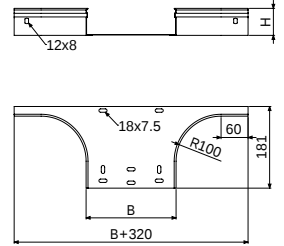
No accessories required for mounting. Pressure-fixed covers.



AS INTERSECTION



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
AS 100x35	1	6	100	35	2/1983	0,40	2/2015	0,46
AS 150x35	1	6	150	35	2/1984	0,47	2/2016	0,54
AS 200x35	1	4	200	35	2/1985	0,54	2/2017	0,62
AS 300x35	1	4	300	35	2/1987	0,68	2/2019	0,78
AS 100x60	1	4	100	60	2/1991	0,48	2/2023	0,55
AS 150x60	1	4	150	60	2/1992	0,55	2/2024	0,63
AS 200x60	1	4	200	60	2/1993	0,63	2/2025	0,72
AS 300x60	1	4	300	60	2/1995	0,77	2/2027	0,87
AS 400x60	1	4	400	60	2/1996	0,91	2/2028	1,04
AS 500x60	1	2	500	60	2/1997	1,05	2/2029	1,20
AS 600x60	1	2	600	60	2/1998	1,19	2/2030	1,36
AS 100x80	1	4	100	80	2/1999	0,55	2/2031	0,63
AS 150x80	1	4	150	80	2/2000	0,62	2/2032	0,71
AS 200x80	1	4	200	80	2/2001	0,69	2/2033	0,79
AS 300x80	1	4	300	80	2/2003	0,83	2/2035	0,95
AS 400x80	1	4	400	80	2/2004	0,97	2/2036	1,11
AS 500x80	1	2	500	80	2/2005	1,11	2/2037	1,27
AS 600x80	1	2	600	80	2/2006	1,25	2/2038	1,44
AS 100x100	1	2	100	100	2/2007	0,61	2/2039	0,71
AS 150x100	1	2	150	100	2/2008	0,69	2/2040	0,79
AS 200x100	1	2	200	100	2/2009	0,76	2/2041	0,86
AS 300x100	1	2	300	100	2/2011	0,90	2/2043	1,03
AS 400x100	1	2	400	100	2/2012	1,04	2/2044	1,19
AS 500x100	1	2	500	100	2/2013	1,18	2/2045	1,35
AS 600x100	1	2	600	100	2/2014	1,32	2/2046	1,52



The AS intersection can be mounted either from the plug part or from the non-plug part. If mounted from the non-plug part is necessary to use two joints JUER of the corresponding height. In both cases, it requires the use of 8 bolts reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

The height 35 does not have holes in the sides. It joins at the base.

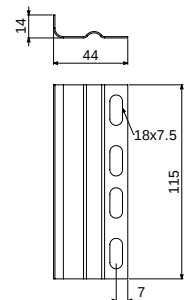
JUER JOINT PLATE



JUER H35

DESCRIPTION	UVM ud	UVE ud	H mm	GS		GC	
				REF.	kg/ud	REF.	kg/ud
JUER H35	1	250	35	2/2047	0,04	2/2052	0,05
JUER H60	1	250	60	2/2048	0,03	2/2053	0,03
JUER H80	1	200	80	2/2049	0,06	2/2054	0,07
JUER H100	1	150	100	2/2050	0,07	2/2055	0,09

Two bolts are required to fix adjustable joint reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).



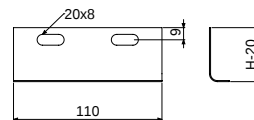
JUER H35



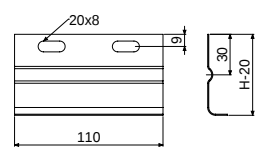
JUER H60



JUER H80/H100



JUER H60



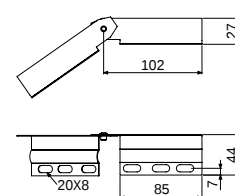
JUER H80 / H100

JUER-A AJUSTABLE JOINT

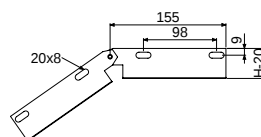


DESCRIPTION	UVM ud	UVE ud	H mm	GS		GC	
				REF.	kg/ud	REF.	kg/ud
J/UNION JUER A H35	1	60	35	2/3226	0,10	2/5298	0,11
J/UNION JUER A H60	1	60	60	2/3229	0,10	2/4439	0,11
J/UNION JUER A H80	1	60	80	2/6327	0,13	2/5055	0,14
J/UNION JUER A H100	1	60	100	2/6209	0,16	2/6416	0,18

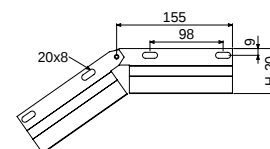
Two bolts are required to fix adjustable joint reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).



JUER A H35



JUER A H60



JUER A H80/100

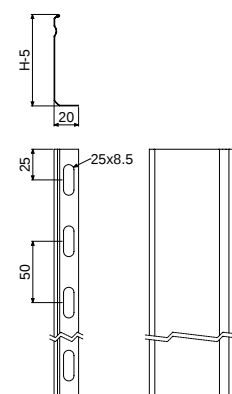
DIVIDER PROFILE



L = 3 m

DESCRIPTION	UVM m	UVE m	H mm	GS		GC	
				REF.	kg/m	REF.	kg/m
PS 35	3	30	35	2/3476	0,23	2/3479	0,29
PS 60	3	30	60	2/2066	0,34	2/3480	0,43
PS 80	3	30	80	2/3477	0,46	2/3481	0,63
PS 100	3	30	100	2/3478	0,56	2/3482	0,76

One bolt is required to fix divider profile every 500mm reference number 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).



REER REDUCTION – END COVER

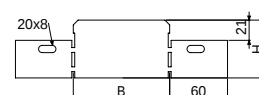


DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
REER 50/35	1	1	50	35	2/6290	0,03	2/6298	0,03
REER 50/60	1	1	50	60	2/6291	0,04	2/6299	0,05
REER 50/80	1	1	50	80	2/6292	0,06	2/6300	0,07
REER 50/100	1	1	50	100	2/6293	0,08	2/6301	0,09
REER 100/35	1	1	100	35	2/6294	0,04	2/6302	0,04
REER 100/60	1	1	100	60	2/6295	0,06	2/6303	0,07
REER 100/80	1	1	100	80	2/6296	0,08	2/6304	0,09
REER 100/100	1	1	100	100	2/6297	0,11	2/6305	0,12

The piece can be used for both width reduction, as of end cover.

Two bolts are required to fix as reduction. For use how end cover, it needs as many bolts as pieces are joined plus one.

Depending on the type of coating, bolts are needed reference 2/4356 in GS or 2/6826 in GC (products packed in bags of 100).

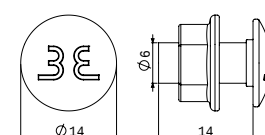


B1 BOLT SET

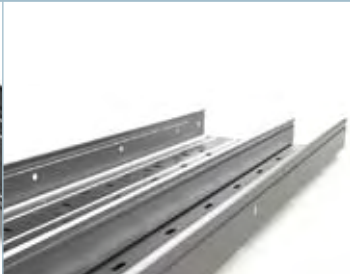
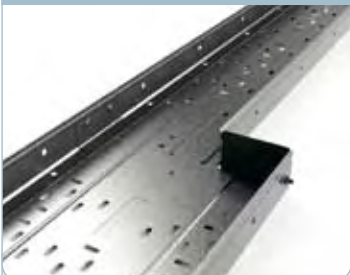


DESCRIPTION	UVM ud	UVE ud	Pap Nm	CINCADO		GC	
				REF.	kg/ud	REF.	kg/ud
Pack 100 B1 Bolt Set M6x14	1	1	6	2/4356	1,00	2/6826	1,00

The B1 bolt set consists of a M6x14 DIN603 mushroom head square neck bolt and a M6 DIN6923 flange nut with serration for a perfect fit. Used to mount all accessories from the BASORTRAY Series.



MOUNTS ERE

SELF-ASSEMBLY ERE	ERE + COVER	ERE + CPERC	ERE + CXERC
			
ERE + AS INTERSECTION	ERE + DIVIDER PROFILE	ERE + JUER-A	ERE + END COVER
			
ERE + REDUCTION			
			

P | PATENTED
9800892

1 SELF-ASSEMBLY fixation system between cable trays.

- No couplers needed
- Easier to install
- Less time required for installation
- Union with higher degree of rigidity

2 Longitudinal reinforcements to improve Resistance to flexure.

3 Inside lip which confers it a greater resistance to flexure.

4 Corners finished at 45° to improve behaviour to flexure.

5 Pressure-fixed covers. No accessories required.

6 Accessories with circular insides to avoid damaging the cables.

B (mm)	USEFUL AREA (cm ²)			
	H35	H60	H80	H100
100	34	59	78	-
150	51	89	118	148
200	69	119	158	198
300	103	178	238	298
400	-	238	317	397
500	-	298	397	497
600	-	358	477	597

FRE H35 PERFORATED METALLIC HIGH LOAD CABLE TRAY



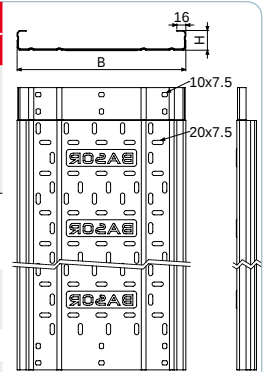
DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GS		GC	
							REF.	kg/m	REF.	kg/m
B/P FRE 100X35	3	12	100	35	1,5	120	2/0001	1,68	2/0051	1,88
B/P FRE 150X35	3	12	150	35	1,5	120	2/0002	2,15	2/0052	2,41
B/P FRE 200X35	3	12	200	35	1,5	120	2/0003	2,51	2/0053	2,81
B/P FRE 300X35	3	6	300	35	1,5	120	2/0004	3,35	2/0054	3,75

To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts (6 in the case of model 300), with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, couplers for cable trays with sides of 35, with reference number 2/2047 in GS or 2/2052 in GC, must be used.

The accessories for FRE cable trays are the same as the ones used for ERE cable trays (page 24).

For more technical information, please consult page 211.



FRE H60 PERFORATED METALLIC HIGH LOAD CABLE TRAY



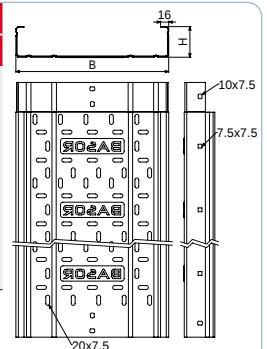
DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GS		GC	
							REF.	kg/m	REF.	kg/m
B/P FRE 100X60	3	12	100	60	1,5	180	2/0006	2,15	2/0056	2,41
B/P FRE 150X60	3	12	150	60	1,5	180	2/0007	2,62	2/0057	2,94
B/P FRE 200X60	3	6	200	60	1,5	180	2/0008	2,99	2/0058	3,34
B/P FRE 300X60	3	6	300	60	1,5	180	2/0009	3,82	2/0059	4,28
B/P FRE 400X60	3	6	400	60	1,5	180	2/0010	4,66	2/0060	5,22
B/P FRE 500X60	3	6	500	60	1,5	180	2/0011	5,49	2/0061	6,15
B/P FRE 600X60	3	6	600	60	1,5	180	2/0012	6,33	2/0062	7,09

To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, couplers for cable trays with sides of 60, with reference number 2/2048 in GS or 2/2053 in GC, must be used.

The accessories for FRE cable trays are the same as the ones used for ERE cable trays (page 24).

For more technical information, please consult page 211.



FRE H80 PERFORATED METALLIC HIGH LOAD CABLE TRAY



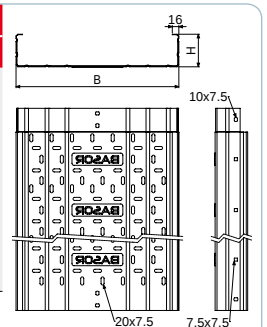
DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GS		GC	
							REF.	kg/m	REF.	kg/m
B/P FRE 100X80	3	12	100	80	1,5	220	2/0013	2,53	2/0063	2,83
B/P FRE 150X80	3	12	150	80	1,5	220	2/0014	3,00	2/0064	3,36
B/P FRE 200X80	3	6	200	80	1,5	220	2/0015	3,36	2/0065	3,77
B/P FRE 300X80	3	6	300	80	1,5	220	2/0016	4,20	2/0066	4,70
B/P FRE 400X80	3	6	400	80	1,5	220	2/0017	5,04	2/0067	5,64
B/P FRE 500X80	3	6	500	80	1,5	220	2/0018	5,87	2/0068	6,58
B/P FRE 600X80	3	6	600	80	1,5	220	2/0019	6,71	2/0069	7,51

To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, couplers for cable trays with sides of 80, with reference number 2/2049 in GS or 2/2054 in GC, must be used.

The accessories for FRE cable trays are the same as the ones used for ERE cable trays (page 24).

For more technical information, please consult page 211.



FRE H100 PERFORATED METALLIC HIGH LOAD CABLE TRAY



L = 3 m

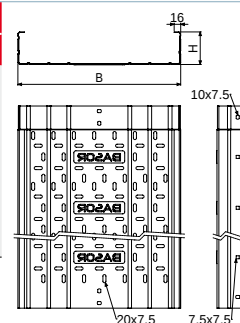
DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GS		GC	
							REF.	kg/m	REF.	kg/m
B/P FRE 150X100	3	12	150	100	1,5	240	2/0020	3,38	2/0070	3,78
B/P FRE 200X100	3	6	200	100	1,5	240	2/0021	3,74	2/0071	4,19
B/P FRE 300X100	3	6	300	100	1,5	240	2/0022	4,58	2/0072	5,13
B/P FRE 400X100	3	6	400	100	1,5	240	2/0023	5,41	2/0073	6,06
B/P FRE 500X100	3	6	500	100	1,5	240	2/0024	6,25	2/0074	7,00
B/P FRE 600X100	3	6	600	100	1,5	240	2/0025	7,09	2/0075	7,94

To assemble the cable trays, **no couplers are needed**. Each stretch requires the use of 4 bolts, with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, couplers for cable trays with sides of 100, with reference number 2/2050 in GS or 2/2055 in GC, must be used.

The accessories for FRE cable trays are the same as the ones used for ERE cable trays (page 24).

For more technical information, please consult page 211.



COVER FRE FOR METALLIC CABLE TRAY



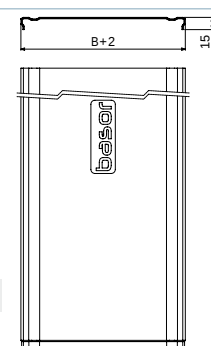
L = 3 m

(400/600 - L = 2 m)

DESCRIPTION	UVM m	UVE m	B mm	e mm	GS	
					REF.	kg/m
TAPA B/P FRE 100	3	6	100	1,2	2/6008	0,68
TAPA B/P FRE 200	3	6	200	1,2	2/6009	2,14
TAPA B/P FRE 300	3	6	300	1,2	2/6010	3,08
TAPA B/P FRE 400	2	4	400	1,2	2/6011	4,02
TAPA B/P FRE 600	2	4	600	1,2	2/6012	5,91

To mount the cover **no accessories are needed**. Fixed by pressure.

The covers are self-assembly to improve its degrees of protection (IP code)

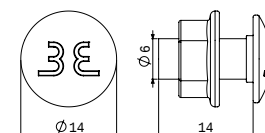


B1 BOLT SET

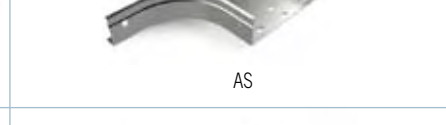


DESCRIPTION	UVM ud	UVE ud	Pap Nm	CINCADO		GC	
				REF.	kg/ud	REF.	kg/ud
Pack 100 B1 Bolt Set M6x14	1	1	6	2/4356	1,00	2/6826	1,00

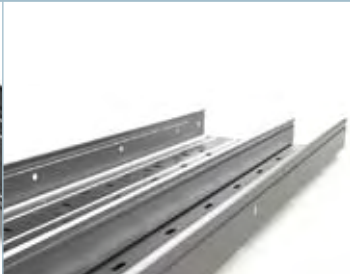
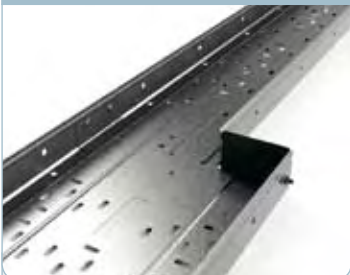
The B1 bolt set consists of a M6x14 DIN603 mushroom head square neck bolt and a M6 DIN6923 flange nut with serration for a perfect fit. Used to mount all accessories BASORTRAY Series.

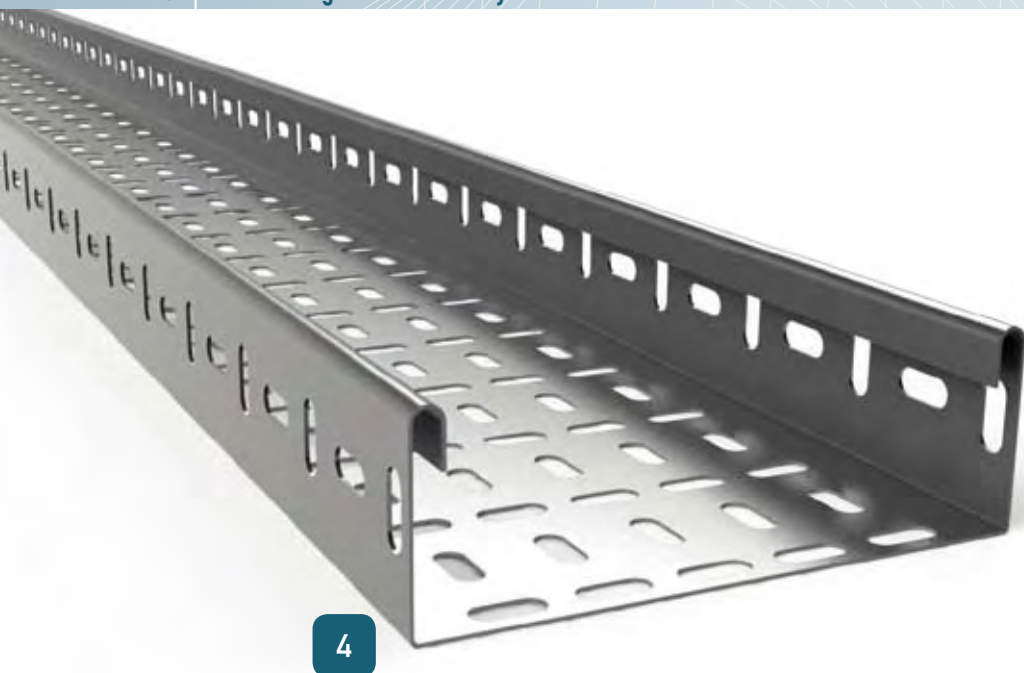


ACCESSORIES ERE/FRE

 CPERC CPERC COVER	 CCERC CCERC COVER	 CXERC CXERC COVER
 TERC TERC COVER	 CRERC CRERC COVER	 AS
 JUER	 PS	 REER

MOUNTS FRE

SELF-ASSEMBLY FRE	FRE + COVER	FRE + CPERC	FRE + CXERC
			
FRE + AS INTERSECTION	FRE + DIVIDER PROFILE	FRE + JUER-A	FRE + END COVER
			
FRE + REDUCTION			
			



- 1 Side perforations to improve the tethering of the cables.
- 2 Security edge to avoid accidents.
- 3 Bidirectional perforating system to make the fixation of the cables easier.
- 4 The thickness varies depending on the model to adapt the resistance to flexure to the cable's capacity.
- 5 The cover is fixed using an additional piece.



B(mm)	USEFUL AREA (cm²)
	H50
75	34
100	46
150	70
225	106
300	143
450	215
600	284

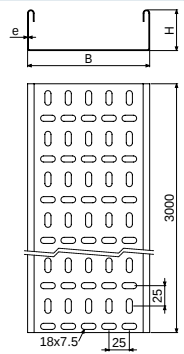
BS H50 PERFORATED METALLIC HIGH LOAD CABLE TRAY



DESCRIPTION	UVM	UVE	B mm	H mm	e mm	d=2m SWL	GS		GC	
	Ud. L3	Ud. L3					REF.	(kg/m)	REF.	(kg/m)
B/P BS 75x50	1	1	75	50	1	85	2/3785	1,45	2/3980	1,65
B/P BS 100x50	1	1	100	50	1	85	2/3786	1,61	2/3981	1,83
B/P BS 150x50	1	1	150	50	1	85	2/3787	1,93	2/3982	2,20
B/P BS 225x50	1	1	225	50	1,2	110	2/3788	2,87	2/3983	3,22
B/P BS 300x50	1	1	300	50	1,2	110	2/3789	3,45	2/3984	3,86
B/P BS 450x50	1	1	450	50	1,5	150	2/3790	5,79	2/3985	6,37
B/P BS 600x50	1	1	600	50	2	190	2/3791	9,59	2/3986	10,31

To assemble the cable trays, 2 outside couplers (reference number 2/3801 in GS or 2/3996 in GC) or 2 inside couplers (2/3800 in GS or 2/3995 in GC) and 8 bolts with reference number 2/4356 in GS or 2/6826 in GC are needed per piece (products packed in bags of 100).

For more technical information, please consult page 211.



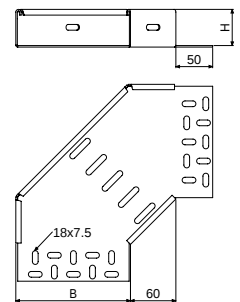
CPBS HORIZONTAL BEND



DESCRIPTION	UVM	UVE	B mm	H mm	GS		GC	
	ud	ud			REF.	kg/ud	REF.	kg/ud
CPBS 75x50	1	1	75	50	2/3811	0,25	2/4006	0,29
CPBS 100x50	1	1	100	50	2/3812	0,33	2/4007	0,38
CPBS 150x50	1	1	150	50	2/3813	0,51	2/4008	0,58
CPBS 225x50	1	1	225	50	2/3814	1,00	2/4009	1,12
CPBS 300x50	1	1	300	50	2/3815	1,48	2/4010	1,66
CPBS 450x50	1	1	450	50	2/3816	3,39	2/4011	3,72
CPBS 600x50	1	1	600	50	2/3817	7,15	2/4012	7,68

Horizontal bends **need no couplers to attach them to the cable trays**, as they can be attached by way of the projection located in the base of the bend.

Each bend requires 4 bolts with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).



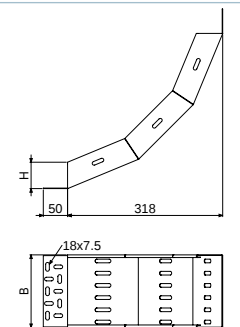
CCBS VERTICAL INSIDE



DESCRIPTION	UVM	UVE	B mm	H mm	GS		GC	
	ud	ud			REF.	kg/ud	REF.	kg/ud
CCBS 75x50	1	1	75	50	2/4249	0,74	2/4278	0,84
CCBS 100x50	1	1	100	50	2/4250	0,83	2/4279	0,94
CCBS 150x50	1	1	150	50	2/4251	1,03	2/4280	1,17
CCBS 225x50	1	1	225	50	2/4252	1,60	2/4281	1,79
CCBS 300x50	1	1	300	50	2/4253	1,97	2/4282	2,20
CCBS 450x50	1	1	450	50	2/4254	2,70	2/4283	2,97
CCBS 600x50	1	1	600	50	2/4255	5,71	2/4284	6,14

Vertical insides **need no couplers to attach them to the cable trays**, as they can be attached by way of the projection located in the base of the bend.

Each bend requires 4 bolts with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).



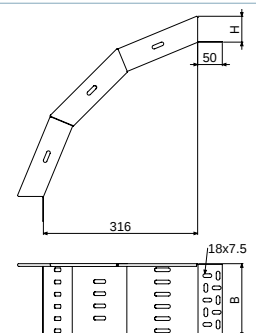
CXBS VERTICAL OUTSIDE



DESCRIPTION	UVM	UVE	B mm	H mm	GS		GC	
	ud	ud			REF.	kg/ud	REF.	kg/ud
CXBS 75x50	1	1	75	50	2/3820	0,89	2/4015	1,02
CXBS 100x50	1	1	100	50	2/3821	1,00	2/4016	1,14
CXBS 150x50	1	1	150	50	2/3822	1,21	2/4017	1,37
CXBS 225x50	1	1	225	50	2/3823	1,76	2/4018	1,97
CXBS 300x50	1	1	300	50	2/3824	2,13	2/4019	2,38
CXBS 450x50	1	1	450	50	2/3825	2,86	2/4020	2,86
CXBS 600x50	1	1	600	50	2/3826	5,98	2/4021	6,43

Vertical outsides **need no couplers to attach them to the cable trays**, as they can be attached by way of the projection located in the base of the bend.

Each bend requires 4 bolts with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).



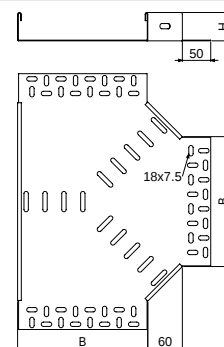
TEBS INTERSECTION



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
TEBS 75x50	1	1	75	50	2/3829	0,40	2/4024	0,45
TEBS 100x50	1	1	100	50	2/3830	0,44	2/4025	0,51
TEBS 150x50	1	1	150	50	2/3831	0,67	2/4026	0,76
TEBS 225x50	1	1	225	50	2/3832	1,27	2/4027	1,43
TEBS 300x50	1	1	300	50	2/3833	1,87	2/4028	2,09
TEBS 450x50	1	1	450	50	2/3834	3,37	2/4029	3,71
TEBS 600x50	1	1	600	50	2/3835	5,30	2/4030	5,70

TEBS intersections **need no couplers to attach them to the cable trays**, as they can be attached by way of the projection located in the base of the bend.

Each bend requires 8 bolts with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

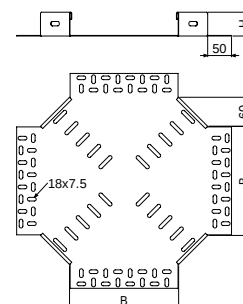


CRBS INTERSECTION



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
CRBS 75x50	1	1	75	50	2/3838	0,47	2/4033	0,54
CRBS 100x50	1	1	100	50	2/3839	0,58	2/4034	0,66
CRBS 150x50	1	1	150	50	2/3840	0,84	2/4035	0,96
CRBS 225x50	1	1	225	50	2/3841	1,52	2/4036	0,18
CRBS 300x50	1	1	300	50	2/3842	2,14	2/4037	0,26
CRBS 450x50	1	1	450	50	2/3843	3,72	2/4038	4,10
CRBS 600x50	1	1	600	50	2/3844	5,38	2/4039	5,78

CRBS intersections **need no couplers to attach them to the cable trays**, as they can be attached by way of the projection located in the base of the bend. Each bend requires 4 bolts with reference number 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

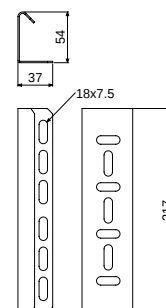


OUTSIDE JOINT BS



DESCRIPTION	UVM ud	UVE ud	H mm	GS		GC	
				REF.	kg/ud	REF.	kg/ud
JU Exterior BS Alt. 50	1	1	50	2/3801	0,24	2/3996	0,27

The union is used to mount trays BS. Each piece requires 4 bolts reference 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

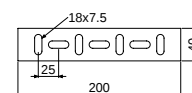


INSIDE JOINT PLATE BS



DESCRIPTION	UVM ud	UVE ud	H mm	GS		GC	
				REF.	kg/ud	REF.	kg/ud
JU Union BS Alt. 50	1	1	50	2/3800	0,06	2/3995	0,06

The union is used to mount trays BS. Each piece requires 4 bolts reference 2/4356 in GS or 2/6826 in GC (products packed in bags containing 100 units).

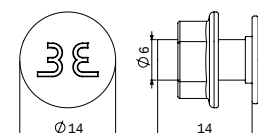


B1 BOLT SET



DESCRIPTION	UVM ud	UVE ud	Pap Nm	CINCADO		GC	
				REF.	kg/ud	REF.	kg/ud
Pack 100 B1 Bolt set M6x14	1	1	6	2/4356	1,00	2/6826	1,00

The B1 bolt set consists of a M6x14 DIN603 mushroom head square neck bolt and a M6 DIN6923 flange nut with serration for a perfect fit. Used to mount all accessories BASORTRAY Series.



MOUNTS BS

OUTSIDE JOINT BS



INSIDE JOINT PLATE BS



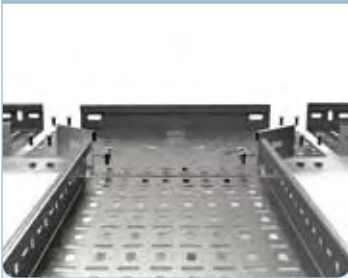
CPBS HORIZONTAL BEND



CCBS VERTICAL INSIDE



TEBS INTERSECTION





1. Bidirectional perforating system to make the fixation of the cables easier.
2. Thickness of 1.5, 2 or 2.5mm in order to ensure a good resistance to flexure and a high degree of durability for the most adverse needs*.
3. The cover is fixed using an additional piece.



B(mm)	USEFUL AREA (cm²)		
	U e = 2 mm		
	H20	H30	H50
50	8	13	22
100	17	27	46
150	26	41	70
200	35	55	94
300	53	83	142
400	-	-	190
500	-	-	238
600	-	-	286

*For thicknesses which are not displayed in the catalogue, please contact our commercial department.

U H15 PERFORATED METALLIC HIGH LOAD CABLE TRAY

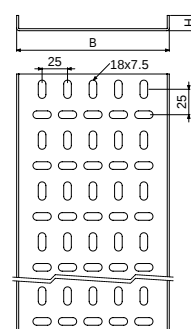


L = 2 m

DESCRIPTION	UVM	UVE	B	H	e	d=1,5m	GC	
	m	m	mm	mm	mm	SWL (kg/m)	REF.	(kg/m)
B/P U 50x15x2	2	2	50	15	2	20	2/0569	1,15
B/P U 100x15x2	2	2	100	15	2	20	2/0570	1,84
B/P U 150x15x2	2	2	150	15	2	20	2/0571	2,54
B/P U 200x15x2	2	2	200	15	2	20	2/0572	3,23
B/P U 300x15x2	2	2	300	15	2	20	2/0573	4,61

To assemble the cable trays, 2 outside JUE H12 joint reference 2/3186 in GC and 4 bolts reference 2/6826 in GC are needed per piece (products packed in bags of 100).

For more technical information, please consult page 211.



U H30 PERFORATED METALLIC HIGH LOAD CABLE TRAY

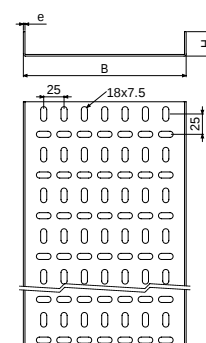


L = 3 m

DESCRIPTION	UVM	UVE	B	H	e	d=2m	GC	
	m	m	mm	mm	mm	SWL (kg/m)	REF.	(kg/m)
B/P U 50x30x2	3	3	50	30	2	40	2/0577	1,67
B/P U 100x30x2	3	3	100	30	2	40	2/0578	2,36
B/P U 150x30x2	3	3	150	30	2	40	2/0579	3,05
B/P U 200x30x2	3	3	200	30	2	40	2/0580	3,74
B/P U 300x30x2	3	3	300	30	2	40	2/0581	5,12

To assemble the cable trays, 2 outside JUE H25 joint reference 2/3187 in GC and 4 bolts reference 2/6826 in GC are needed per piece (products packed in bags of 100).

For more technical information, please consult page 211.



U H50 PERFORATED METALLIC HIGH LOAD CABLE TRAY

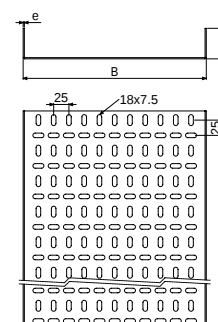


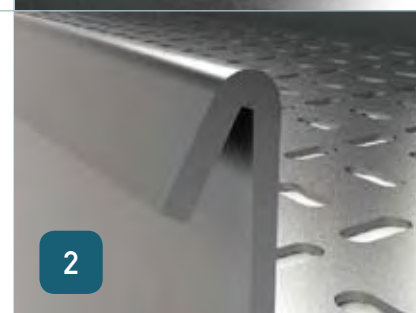
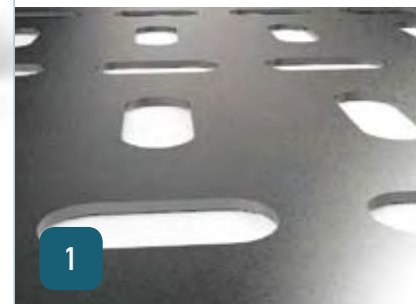
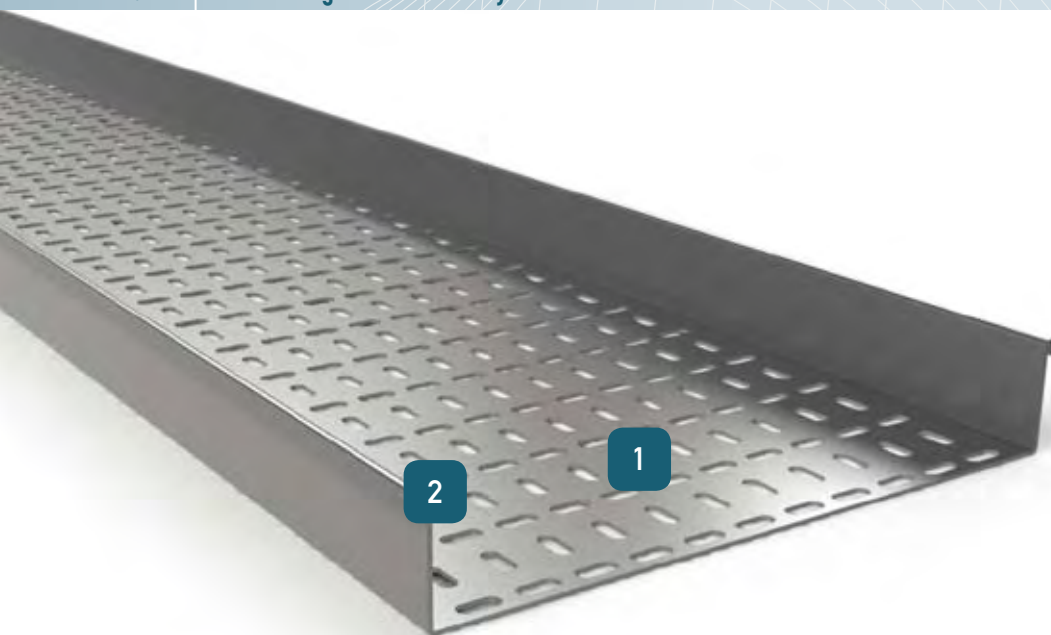
L = 3 m

DESCRIPTION	UVM	UVE	B	H	e	d=2m	GC	
	m	m	mm	mm	mm	SWL (kg/m)	REF.	(kg/m)
B/P U 50x50x2	3	3	50	50	2	100	2/0585	2,36
B/P U 100x50x2	3	3	100	50	2	100	2/0586	3,05
B/P U 150x50x2	3	3	150	50	2	100	2/0587	3,74
B/P U 200x50x2	3	3	200	50	2	100	2/0588	4,43
B/P U 300x50x2	3	3	300	50	2	100	2/0589	5,81
B/P U 400x50x2	3	3	400	50	2	100	2/0590	7,28
B/P U 500x50x2	3	3	500	50	2	100	2/0591	8,66
B/P U 600x50x2	3	3	600	50	2	100	2/0592	10,04

To assemble the cable trays, 2 outside JUE H45 joint reference 2/3655 in GC and 4 bolts reference 2/6826 in GC are needed per piece (products packed in bags of 100).

For more technical information, please consult page 211.





- 1 Bidirectional perforating system to make the fixation of the cables easier.
- 2 Thickness of 1.5, 2 or 2.5mm in order to ensure a good resistance to flexure and a high degree of durability for the most adverse needs*.
- 3 The cover is fixed using an additional piece.

B(mm)	USEFUL AREA (cm²)		
	H20	H30	H50
50	8	12	21
100	17	26	45
150	25	40	69
200	34	54	93
300	52	81	140
400	-	-	188
500	-	-	235
600	-	-	283

*For thicknesses which are not displayed in the catalogue, please contact our commercial department.

OMEGA H20 2mm PERFORATED METALLIC HIGH LOAD CABLE TRAY

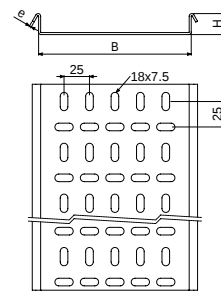


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GC	
							REF.	(kg/m)
B/P OMEGA 50x20x2	3	3	50	20	2	80	2/0405	1,64
B/P OMEGA 100x20x2	3	3	100	20	2	80	2/0406	2,32
B/P OMEGA 150x20x2	3	3	150	20	2	80	2/0407	2,99
B/P OMEGA 200x20x2	3	3	200	20	2	80	2/0408	3,67
B/P OMEGA 300x20x2	3	3	300	20	2	80	2/0409	5,03

To assemble the cable trays, 2 outside JUE H12 joint reference 2/3186 in GC and 4 bolts reference 2/6826 in GC are needed per piece (products packed in bags of 100).

For more technical information, please consult page 211.



OMEGA H30 2mm PERFORATED METALLIC HIGH LOAD CABLE TRAY

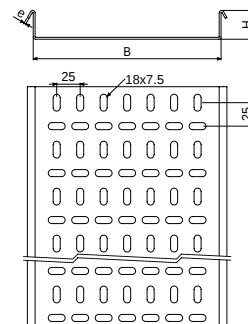


L = 3 m
(50x30x2 - L = 2 m)

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GC	
							REF.	(kg/m)
B/P OMEGA 50x30x2	2	2	50	30	2	110	2/0413	1,98
B/P OMEGA 100x30x2	3	3	100	30	2	110	2/0414	2,65
B/P OMEGA 150x30x2	3	3	150	30	2	110	2/5977	3,33
B/P OMEGA 200x30x2	3	3	200	30	2	110	2/0416	4,00
B/P OMEGA 300x30x2	3	3	300	30	2	110	2/0417	5,37

To assemble the cable trays, 2 outside JUE H25 joint reference 2/3187 in GC and 4 bolts reference 2/6826 in GC are needed per piece (products packed in bags of 100).

For more technical information, please consult page 211.



OMEGA H50 2mm PERFORATED METALLIC HIGH LOAD CABLE TRAY

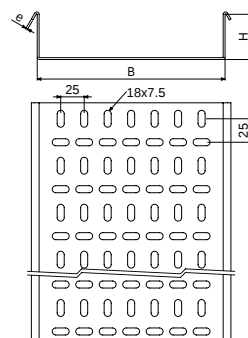


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GC	
							REF.	(kg/m)
B/P OMEGA 50x50x2	3	3	50	50	2	150	2/0421	2,65
B/P OMEGA 100x50x2	3	3	100	50	2	150	2/0422	3,33
B/P OMEGA 150x50x2	3	3	150	50	2	150	2/0423	4,01
B/P OMEGA 200x50x2	3	3	200	50	2	150	2/0424	4,68
B/P OMEGA 300x50x2	3	3	300	50	2	150	2/0425	6,04
B/P OMEGA 400x50x2	3	3	400	50	2	150	2/0426	7,48
B/P OMEGA 500x50x2	3	3	500	50	2	150	2/0427	8,84
B/P OMEGA 600x50x2	3	3	600	50	2	150	2/3218	10,19

To assemble the cable trays, 2 outside JUE H45 joint reference 2/3655 in GC and 4 bolts reference 2/6826 in GC are needed per piece (products packed in bags of 100).

For more technical information, please consult page 211.



OMEGA H20 2.5mm PERFORATED METALLIC HIGH LOAD CABLE TRAY

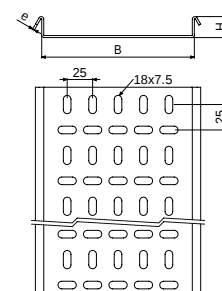


L = 2 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GC	
							REF.	(kg/m)
B/P OMEGA 50x20x2,5	2	2	50	20	2,5	100	2/0446	1,98
B/P OMEGA 100x20x2,5	2	2	100	20	2,5	100	2/0447	2,81
B/P OMEGA 150x20x2,5	2	2	150	20	2,5	100	2/0448	3,64
B/P OMEGA 200x20x2,5	2	2	200	20	2,5	100	2/0449	4,46
B/P OMEGA 300x20x2,5	2	2	300	20	2,5	100	2/0450	6,12

To assemble the cable trays, 2 outside JUE H12 joint reference 2/3186 in GC and 4 bolts reference 2/6826 in GC are needed per piece (products packed in bags of 100).

For more technical information, please consult page 211.



OMEGA H30 2.5mm PERFORATED METALLIC HIGH LOAD CABLE TRAY

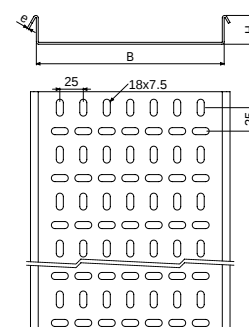


L = 2 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GC	
							REF.	(kg/m)
B/P OMEGA 50x30x2,5	2	2	50	30	2,5	140	2/0454	2,39
B/P OMEGA 100x30x2,5	2	2	100	30	2,5	140	2/0455	3,22
B/P OMEGA 150x30x2,5	2	2	150	30	2,5	140	2/0456	4,05
B/P OMEGA 200x30x2,5	2	2	200	30	2,5	140	2/0457	4,88
B/P OMEGA 300x30x2,5	2	2	300	30	2,5	140	2/0458	6,53

To assemble the cable trays, 2 outside JUE H25 joint reference 2/3187 in GC and 4 bolts reference 2/6826 in GC are needed per piece (products packed in bags of 100).

For more technical information, please consult page 211.



OMEGA H50 2.5mm PERFORATED METALLIC HIGH LOAD CABLE TRAY

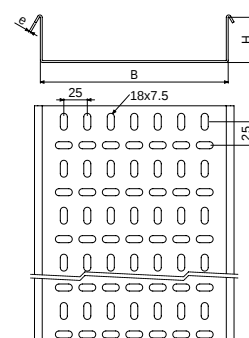


L = 2 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2m SWL (kg/m)	GC	
							REF.	(kg/m)
B/P OMEGA 50x50x2,5	2	2	50	50	2,5	200	2/0462	3,22
B/P OMEGA 100x50x2,5	2	2	100	50	2,5	200	2/0463	4,04
B/P OMEGA 150x50x2,5	2	2	150	50	2,5	200	2/0464	4,87
B/P OMEGA 200x50x2,5	2	2	200	50	2,5	200	2/0465	5,70
B/P OMEGA 300x50x2,5	2	2	300	50	2,5	200	2/0466	7,35
B/P OMEGA 400x50x2,5	2	2	400	50	2,5	200	2/0467	9,11
B/P OMEGA 500x50x2,5	2	2	500	50	2,5	200	2/0468	10,77
B/P OMEGA 600x50x2,5	2	2	600	50	2,5	200	2/4505	12,42

To assemble the cable trays, 2 outside JUE H45 joint reference 2/3655 in GC and 4 bolts reference 2/6826 in GC are needed per piece (products packed in bags of 100).

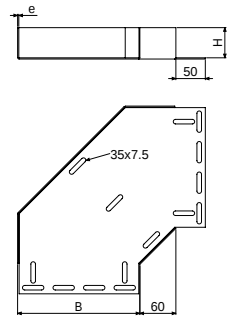
For more technical information, please consult page 211.



CPU/OME HORIZONTAL BEND



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	(kg/ud)
CP U/OMEGA 50x15	1	1	50	15	2	2/2069	0,21
CP U/OMEGA 100x15	1	1	100	15	2	2/2070	0,47
CP U/OMEGA 150x15	1	1	150	15	2	2/2071	0,81
CP U/OMEGA 200x15	1	1	200	15	2	2/2072	1,22
CP U/OMEGA 300x15	1	1	300	15	2	2/2073	2,24
CP U/OMEGA 50x30	1	1	50	30	2	2/2077	0,28
CP U/OMEGA 100x30	1	1	100	30	2	2/2078	0,56
CP U/OMEGA 150x30	1	1	150	30	2	2/2079	0,92
CP U/OMEGA 200x30	1	1	200	30	2	2/2080	1,34
CP U/OMEGA 300x30	1	1	300	30	2	2/2081	2,41
CP U/OMEGA 50x50	1	1	50	50	2	2/2085	0,36
CP U/OMEGA 100x50	1	1	100	50	2	2/2086	0,67
CP U/OMEGA 150x50	1	1	150	50	2	2/2087	1,06
CP U/OMEGA 200x50	1	1	200	50	2	2/2088	1,51
CP U/OMEGA 300x50	1	1	300	50	2	2/2089	2,64
CP U/OMEGA 400x50	1	1	400	50	2	2/2090	4,04
CP U/OMEGA 500x50	1	1	500	50	2	2/2091	5,73
CP U/OMEGA 600x50	1	1	600	50	2	2/2092	7,70



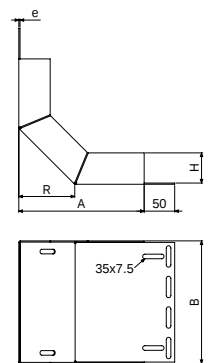
Horizontal bends need no couplers to attach them to the cable trays, as they can be attached by way of the projection located in the base of the bend.

Each bend requires 4 bolts reference number 2/6826 in GC (products packed in bags of 100).

CCU/OME VERTICAL INSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	R mm	A mm	GC	
								REF.	(kg/ud)
CC U/OMEGA 50x15	1	1	50	15	2	80	173	2/2249	0,40
CC U/OMEGA 100x15	1	1	100	15	2	80	173	2/2250	0,73
CC U/OMEGA 150x15	1	1	150	15	2	85	188	2/2251	1,14
CC U/OMEGA 200x15	1	1	200	15	2	90	203	2/2252	1,60
CC U/OMEGA 300x15	1	1	300	15	2	130	294	2/2253	3,21
CC U/OMEGA 50x30	1	1	50	30	2	80	173	2/2257	0,51
CC U/OMEGA 100x30	1	1	100	30	2	80	173	2/2258	0,83
CC U/OMEGA 150x30	1	1	150	30	2	85	188	2/2259	1,26
CC U/OMEGA 200x30	1	1	200	30	2	90	203	2/2260	1,74
CC U/OMEGA 300x30	1	1	300	30	2	130	294	2/2261	3,41
CC U/OMEGA 50x50	1	1	50	50	2	80	173	2/2265	0,60
CC U/OMEGA 100x50	1	1	100	50	2	80	173	2/2266	0,92
CC U/OMEGA 150x50	1	1	150	50	2	85	188	2/2267	1,37
CC U/OMEGA 200x50	1	1	200	50	2	90	203	2/2268	1,87
CC U/OMEGA 300x50	1	1	300	50	2	130	294	2/2269	3,64
CC U/OMEGA 400x50	1	1	400	50	2	160	324	2/2270	5,06
CC U/OMEGA 500x50	1	1	500	50	2	160	354	2/2271	6,65
CC U/OMEGA 600x50	1	1	600	50	2	220	434	2/2272	9,35



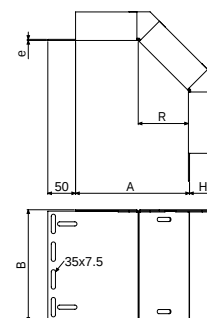
Vertical insides need no couplers to attach them to the cable trays, as they can be attached by way of the projection located in the base of the bend.

Each bend requires 4 bolts reference number 2/6826 in GC (products packed in bags of 100).

CXU/OME VERTICAL OUTSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	R mm	A mm	GC	
								REF.	(kg/ud)
CX U/OMEGA 50x15	1	1	50	15	2	60	141	2/2429	0,42
CX U/OMEGA 100x15	1	1	100	15	2	60	141	2/2430	0,70
CX U/OMEGA 150x15	1	1	150	15	2	65	156	2/2431	1,07
CX U/OMEGA 200x15	1	1	200	15	2	75	176	2/2432	1,49
CX U/OMEGA 300x15	1	1	300	15	2	75	176	2/2433	2,94
CX U/OMEGA 50x30	1	1	50	30	2	60	141	2/2437	0,61
CX U/OMEGA 100x30	1	1	100	30	2	60	141	2/2438	0,89
CX U/OMEGA 150x30	1	1	150	30	2	65	156	2/2439	1,27
CX U/OMEGA 200x30	1	1	200	30	2	75	176	2/2440	1,71
CX U/OMEGA 300x30	1	1	300	30	2	110	262	2/2441	3,29
CX U/OMEGA 50x50	1	1	50	50	2	60	141	2/2445	0,86
CX U/OMEGA 100x50	1	1	100	50	2	60	141	2/2446	1,14
CX U/OMEGA 150x50	1	1	150	50	2	65	156	2/2447	1,55
CX U/OMEGA 200x50	1	1	200	50	2	75	176	2/2448	2,00
CX U/OMEGA 300x50	1	1	300	50	2	110	262	2/2449	3,69
CX U/OMEGA 400x50	1	1	400	50	2	115	277	2/2450	4,86
CX U/OMEGA 500x50	1	1	500	50	2	130	312	2/2451	6,43
CX U/OMEGA 600x50	1	1	600	50	2	160	382	2/2452	8,92



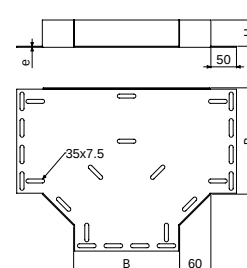
Vertical outsides need no couplers to attach them to the cable trays, as they can be attached by way of the projection located in the base of the bend.

Each bend requires 4 bolts reference 2/6826 in GC (products packed in bags of 100).

TEU/OME INTERSECTION



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	(kg/ud)
TE U/OMEGA 50x15	1	1	50	15	2	2/2789	0,41
TE U/OMEGA 100x15	1	1	100	15	2	2/2790	0,79
TE U/OMEGA 150x15	1	1	150	15	2	2/2791	1,27
TE U/OMEGA 200x15	1	1	200	15	2	2/2792	1,82
TE U/OMEGA 300x15	1	1	300	15	2	2/2793	3,19
TE U/OMEGA 50x30	1	1	50	30	2	2/2797	0,49
TE U/OMEGA 100x30	1	1	100	30	2	2/2798	0,88
TE U/OMEGA 150x30	1	1	150	30	2	2/2799	1,38
TE U/OMEGA 200x30	1	1	200	30	2	2/2800	1,95
TE U/OMEGA 300x30	1	1	300	30	2	2/2801	3,35
TE U/OMEGA 50x50	1	1	50	50	2	2/2805	0,60
TE U/OMEGA 100x50	1	1	100	50	2	2/2806	1,01
TE U/OMEGA 150x50	1	1	150	50	2	2/2807	1,52
TE U/OMEGA 200x50	1	1	200	50	2	2/2808	2,11
TE U/OMEGA 300x50	1	1	300	50	2	2/2809	3,54
TE U/OMEGA 400x50	1	1	400	50	2	2/2810	5,33
TE U/OMEGA 500x50	1	1	500	50	2	2/2811	7,44
TE U/OMEGA 600x50	1	1	600	50	2	2/2812	9,89



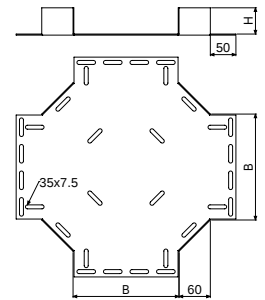
TE intersections need no couplers to attach them to the cable trays, as they can be attached by way of the projection located in the base of the bend.

Each bend requires 8 bolts reference number 2/6826 in GC (products packed in bags containing 100 units).

CRU/OME INTERSECTION



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	(kg/ud)
CR U/OMEGA 50x15	1	1	50	15	2	2/2609	0,53
CR U/OMEGA 100x15	1	1	100	15	2	2/2610	1,07
CR U/OMEGA 150x15	1	1	150	15	2	2/2611	1,61
CR U/OMEGA 200x15	1	1	200	15	2	2/2612	2,17
CR U/OMEGA 300x15	1	1	300	15	2	2/2613	3,68
CR U/OMEGA 50x30	1	1	50	30	2	2/2617	0,62
CR U/OMEGA 100x30	1	1	100	30	2	2/2618	1,07
CR U/OMEGA 150x30	1	1	150	30	2	2/2619	1,61
CR U/OMEGA 200x30	1	1	200	30	2	2/2620	2,25
CR U/OMEGA 300x30	1	1	300	30	2	2/2621	3,77
CR U/OMEGA 50x50	1	1	50	50	2	2/2625	0,73
CR U/OMEGA 100x50	1	1	100	50	2	2/2626	1,19
CR U/OMEGA 150x50	1	1	150	50	2	2/2627	1,73
CR U/OMEGA 200x50	1	1	200	50	2	2/2628	2,37
CR U/OMEGA 300x50	1	1	300	50	2	2/2629	3,89
CR U/OMEGA 400x50	1	1	400	50	2	2/2630	5,74
CR U/OMEGA 500x50	1	1	500	50	2	2/2631	7,94
CR U/OMEGA 600x50	1	1	600	50	2	2/2632	10,48



Cross intersections need no couplers to attach them to the cable trays, as they can be attached by way of the projection located in the base of the bend.

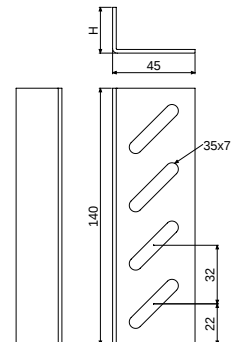
Each bend requires 12 bolts reference number 2/6826 in GC (products packed in bags containing 100 units).

JUE JOINT



DESCRIPTION	UVM ud	UVE ud	H mm	e mm	GC	
					REF.	(kg/ud)
Union Joint JUE H12	1	1	12	2	2/3186	0,09
Union Joint JUE H25	1	1	25	2	2/3187	0,13
Union Joint JUE H45	1	1	45	2	2/3655	0,16

The union is used to mount cable trays BS and U. Each piece requires 2 bolts reference 2/6826 in GC (products packed in bags containing 100 units).

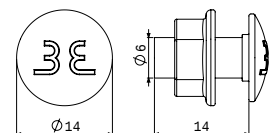


B1 BOLT SET



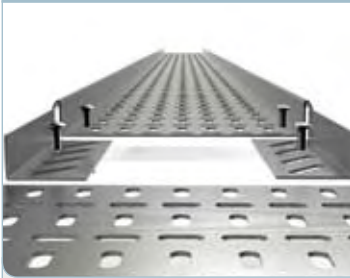
DESCRIPTION	UVM ud	UVE ud	Pap Nm	GC	
				REF.	kg/ud
Pack 100 B1 Bolt Set M6x14	1	1	6	2/6826	1,00

The B1 bolt set consists of a M6x14 DIN603 mushroom head square neck bolt and a M6 DIN6923 flange nut with serration for a perfect fit. Used to mount all accessories BASORTRAY Series.



MOUNTS U/OMEGA

JUE U/OME JOINT



CCU/OME VERTICAL INSIDE

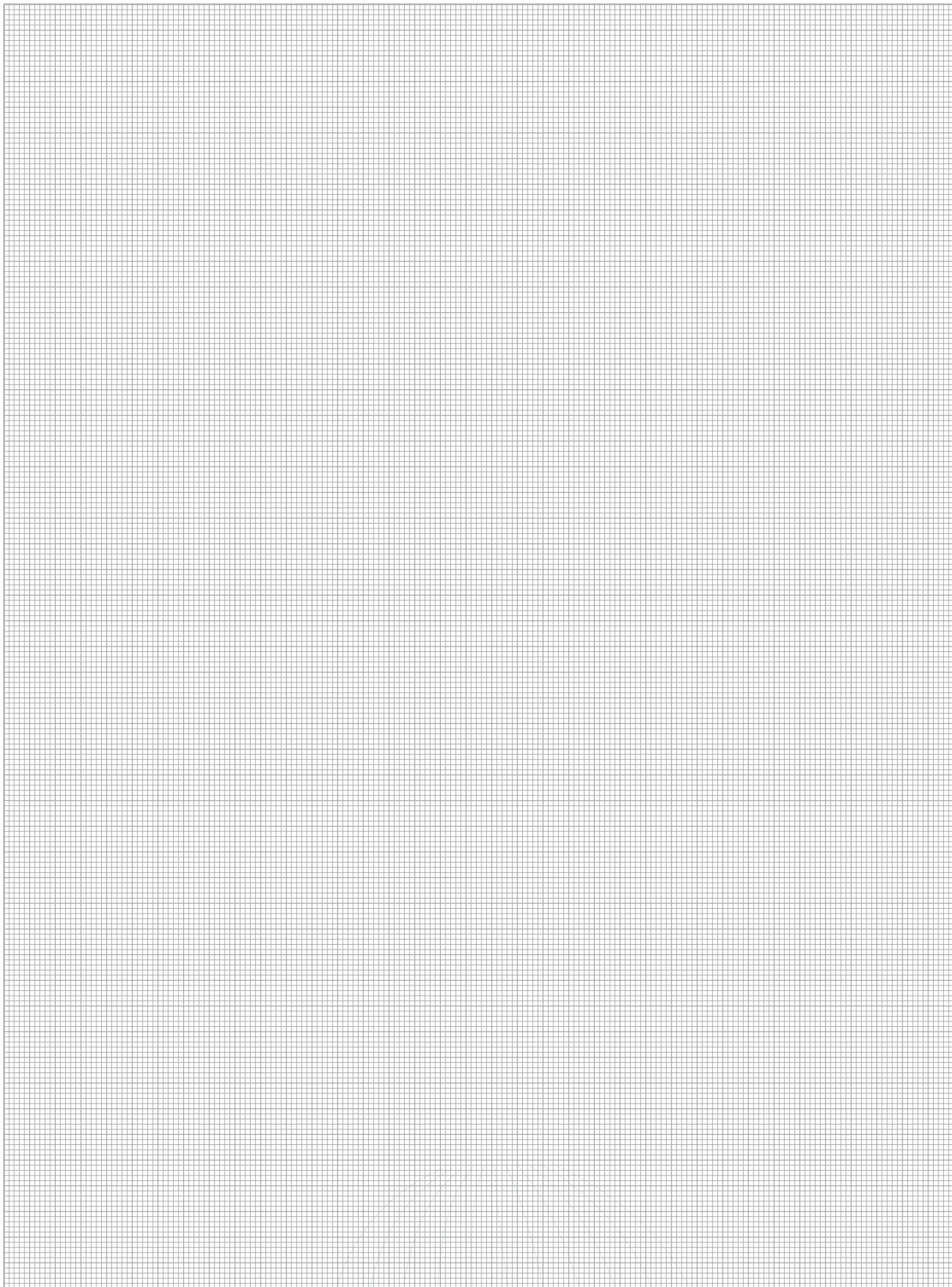


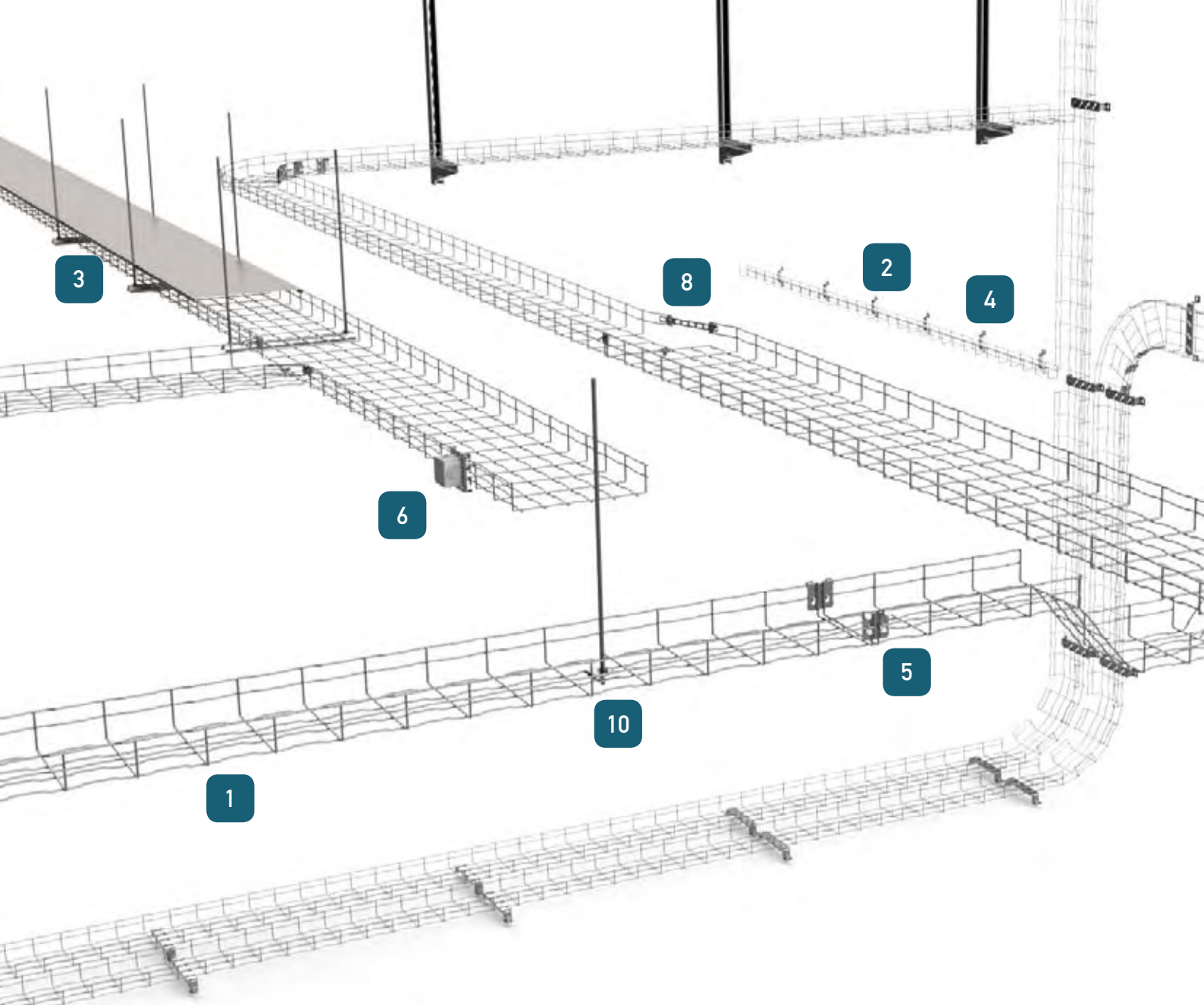
CXU/OME VERTICAL OUTSIDE



CRU/OME CROSS INTERSECTION

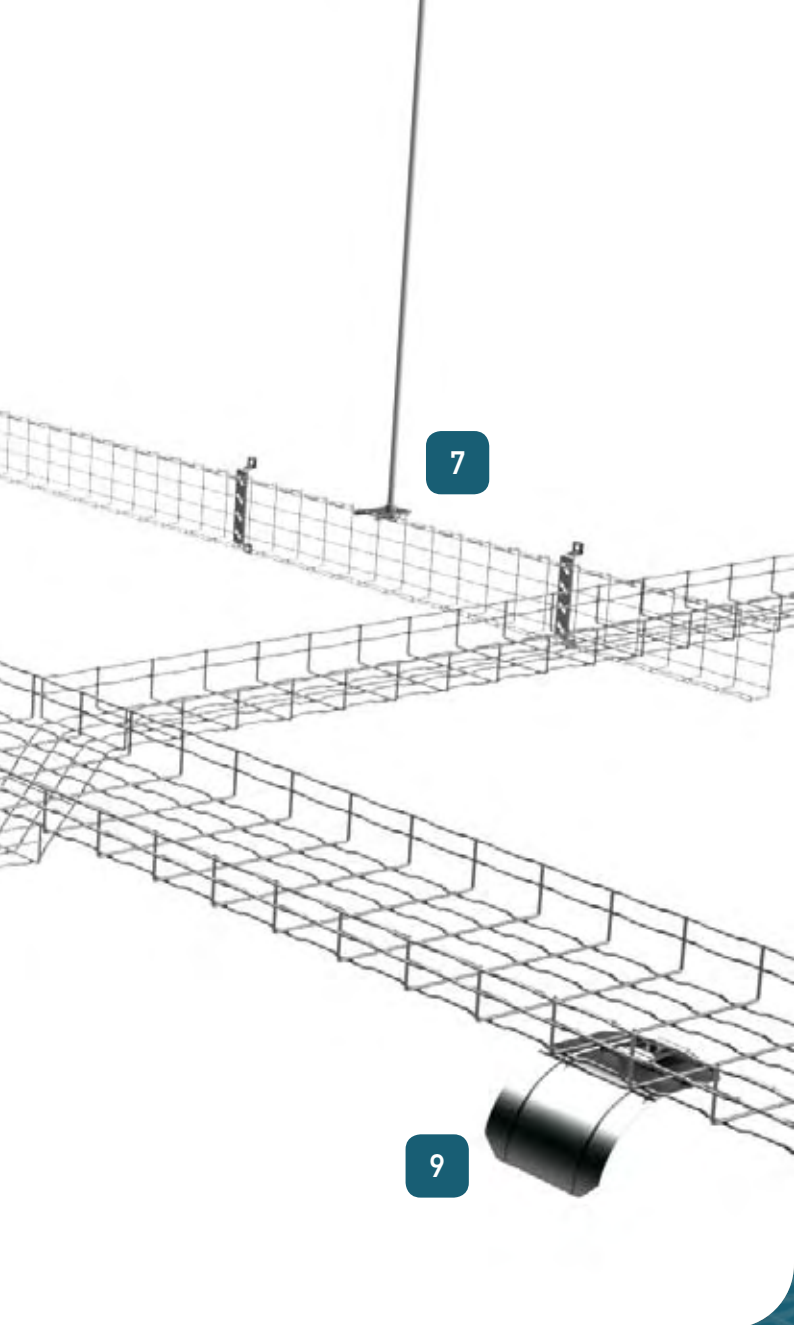






1. High loads wire-mesh cable tray (BFR)
2. Wire-mesh cable tray (BF) 60x65
3. BASORFIL Cover
4. SL Simple support
5. BASORFIL Quick joint
6. Universal support box
7. Conduit exit (STB)
8. Multi-union joint
9. Drop-out plate
10. Central suspension (SSC)

SCM



WIRE-MESH CABLE TRAYS

High load wire-mesh cable tray (BFR).....	Page 52
Wire-mesh cable tray (BF)	Page 54
Union elements	Page 55
Installation accessories	Page 56
BASORFIL Assemblies	Page 58

- BASORFIL is the cheapest and most versatile range of cable trays, as the installer himself can cut and turn the cable conduction systems according to his/her needs. As it doesn't have any accessories, all assemblies of this product are comfortable to perform.
- We recommend using this product for those assemblies which don't require a high load capacity. The finishing process of the whole BASORFIL range of products is carried out completely at BASOR's facilities.

BASORFIL

CINCADO / GC / BICRO



P | PATENTED
200201809

1 Optimal solution for systems which don't have high load needs.

2 Maximum ventilation and cleaning of the cables.

3 Innovative design patented by BASOR which offers:

- Greater resistance to flexure
- Greater save working load
- Excellent aesthetic finish

4 Quicker and easier assembly.

- With simple manipulation based on the way in which the rods are cut, the tray can be easily moulded, even with complicated changes in direction.
- The cuts have to be performed with asymmetrical-cut wire cutters.
- The cut has to be performed as near to the intersection of the steel wires as possible, in order to obtain a clean cut and a good assembly.



3

B(mm)	USEFUL AREA (cm ²)		
	H35	H65	H105
60	-	23	-
100	27	47	-
150	42	75	-
200	58	102	193
300	89	157	297
400	-	212	401
500	-	267	505
600	-	322	609

BASORFIL BFR H35

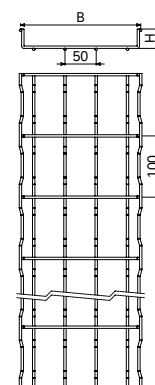


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	CINCADO		GC	
						REF.	kg/m	REF.	kg/m
BASORFIL BFR 100X35	3	24	100	35	18	2/3616	0,55	2/0286	0,63
BASORFIL BFR 150X35	3	24	150	35	18	2/3617	0,67	2/0287	0,73
BASORFIL BFR 200X35	3	24	200	35	18	2/3618	0,81	2/0288	0,89
BASORFIL BFR 300X35	3	18	300	35	18	2/3619	1,27	2/0289	1,39

To assemble the cable trays, it is necessary to use a bolt-staple set for each of the cable tray's side, with reference number 2/4364 in CINCADO and 2/4360 in GC.

For more technical information, please consult page 211.



BASORFIL BFR H65



L = 3 m

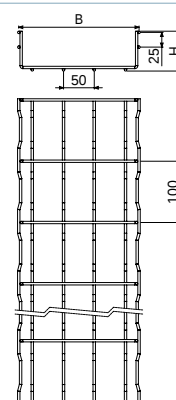


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	CINCADO		GC	
						REF.	kg/m	REF.	kg/m
BASORFIL BFR 60X65	3	36	60	65	23	2/3621	0,55	2/0290	0,60
BASORFIL BFR 100X65	3	24	100	65	45	2/3622	0,77	2/0291	0,83
BASORFIL BFR 150X65	3	18	150	65	45	2/3623	0,82	2/0292	0,89
BASORFIL BFR 200X65	3	18	200	65	45	2/3624	1,06	2/0293	1,15
BASORFIL BFR 300X65	3	18	300	65	45	2/3625	1,57	2/0294	1,69
BASORFIL BFR 400X65	3	18	400	65	45	2/4407	1,90	2/0295	2,05
BASORFIL BFR 500X65	3	18	500	65	55	2/4409	2,46	2/0296	2,65
BASORFIL BFR 600X65	3	18	600	65	55	2/3626	2,83	2/0297	3,05

To assemble cable trays with a width which is lower or equal to 200 mm, it's necessary to use a BF quick joint for each of the cable tray's side, with reference number 2/6217 in CINCADO and 2/4360 in GC. For wider trays an additional bolt-staple set shall be used as central union joint, reference 2/4364 in CINCADO and 2/4360 in GC.

For more technical information, please consult page 211.



BASORFIL BFR H105

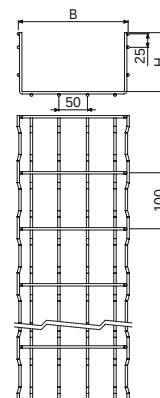


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	CINCADO		GC	
						REF.	kg/m	REF.	kg/m
BASORFIL BFR 200X105	3	12	200	105	60	2/4953	1,57	2/0298	1,69
BASORFIL BFR 300X105	3	12	300	105	60	2/4959	1,90	2/0299	2,05
BASORFIL BFR 400X105	3	12	400	105	70	2/4960	2,46	2/0300	2,65
BASORFIL BFR 500X105	3	12	500	105	70	2/4961	2,83	2/0301	3,05
BASORFIL BFR 600X105	3	12	600	105	70	2/6043	3,20	2/0302	3,45

To assemble cable trays with a width which is lower or equal to 200 mm, it's necessary to use a BF quick joint for each of the cable tray's side, with reference number 2/6217 in CINCADO and 2/6219 in GC. For wider cable trays, an additional bolt-staple set shall be used as a central union joint, reference number 2/4364 in CINCADO and 2/4360 in GC.

For more technical information, please consult page 211.



BASORFIL BF H35

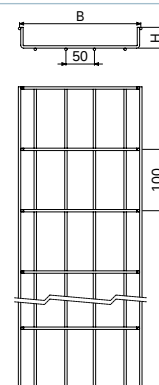


L = 3 m

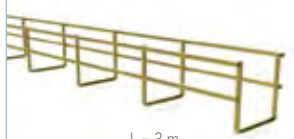
DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	BICRO	
						REF.	kg/m
BASORFIL BF 100X35	3	24	100	35	17	2/3362	0,55
BASORFIL BF 150X35	3	24	150	35	17	2/3363	0,67
BASORFIL BF 200X35	3	24	200	35	17	2/4296	0,81
BASORFIL BF 300X35	3	18	300	35	17	2/3364	1,27

To assemble the cable trays, it is necessary to use a bolt-staple set for each of the cable tray's side, with reference number 2/4914.

For more technical information, please consult page 211.



BASORFIL BF H65



L = 3 m

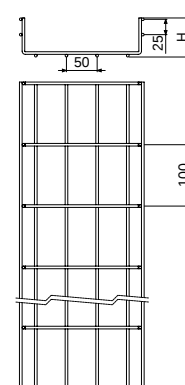


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	BICRO	
						REF.	kg/m
BASORFIL BF 60X65	3	36	60	65	22	2/4297	0,55
BASORFIL BF 100X65	3	24	100	65	43	2/3365	0,77
BASORFIL BF 150X65	3	18	150	65	43	2/3366	0,82
BASORFIL BF 200X65	3	18	200	65	43	2/3367	1,06
BASORFIL BF 300X65	3	18	300	65	43	2/3368	1,57
BASORFIL BF 400X65	3	18	400	65	43	2/3369	1,90
BASORFIL BF 500X65	3	18	500	65	52	2/3370	2,46
BASORFIL BF 600X65	3	18	600	65	52	2/3371	2,83

To assemble cable trays with a width which is lower or equal to 200 mm, it's necessary to use a BF quick joint for each side of the cable tray's side, reference number 2/6218. For wider cable trays, an additional bolt-staple set may be required as a central union joint reference number 2/4914.

For more technical information, please consult page 211.



BASORFIL BF H105

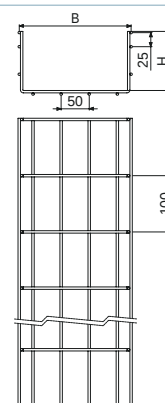


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	BICRO	
						REF.	kg/m
BASORFIL BF 200X105	3	12	200	105	57	2/3372	1,57
BASORFIL BF 300X105	3	12	300	105	57	2/5647	1,90
BASORFIL BF 400X105	3	12	400	105	67	2/3373	2,46
BASORFIL BF 500X105	3	12	500	105	67	2/5859	2,83
BASORFIL BF 600X105	3	12	600	105	67	2/3374	3,20

To assemble cable trays with a width which is lower or equal to 200 mm, it's necessary to use a BF quick joint for each side of the cable tray's side, reference number 2/6218. For wider cable trays, an additional bolt-staple set may be required as a central union joint reference number 2/4914.

For more technical information, please consult page 211.



COVER ERE FOR METALLIC CABLE TRAY



L = 3 m
(400/500/600 - L = 2 m)

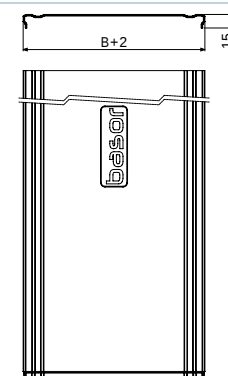


DESCRIPTION	UVM m	UVE m	B mm	GS		GC	
				REF.	kg/m	REF.	kg/m
COVER ERE FOR METALLIC CABLE TRAY 100	3	24	100	2/1312	0,55	2/1321	0,82
COVER ERE FOR METALLIC CABLE TRAY 150	3	24	150	2/1313	0,76	2/1322	1,14
COVER ERE FOR METALLIC CABLE TRAY 200	3	24	200	2/1314	0,98	2/1323	1,46
COVER ERE FOR METALLIC CABLE TRAY 300	3	18	300	2/1316	1,55	2/1325	2,11
COVER ERE FOR METALLIC CABLE TRAY 400	2	12	400	2/1317	2,19	2/1326	2,75
COVER ERE FOR METALLIC CABLE TRAY 500	2	8	500	2/1318	3,11	2/1327	3,85
COVER ERE FOR METALLIC CABLE TRAY 600	2	8	600	2/1319	3,95	2/1328	4,58

ERE covers are used to cover all BASORFIL trays.

To mount the cover **no accessories are needed**. Fixed by pressure.

Available in GS and GC finishes only.



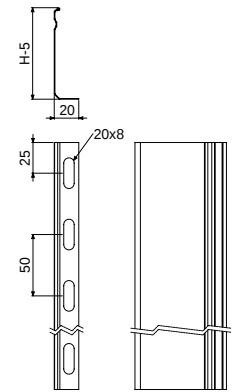
DIVIDER PROFILE



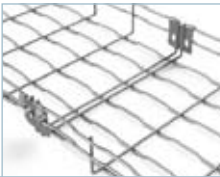
L = 3 m

DESCRIPTION	UVM m	UVE m	H mm	GS		GC	
				REF.	kg/m	REF.	kg/m
PS 35	3	30	35	2/3476	0,23	2/3479	0,29
PS 60	3	30	60	2/2066	0,34	2/3480	0,43
PS 80	3	30	80	2/3477	0,46	2/3481	0,63
PS 100	3	30	100	2/3478	0,56	2/3482	0,76

One bolt is required to fix divider profile every 500mm. BASORFIL staple and B1 bolt set is required. B1 bolt set reference number 2/4356 in CINCADO or 2/6826 in GC (products packed in bags of 100). BASORFIL staple reference number 2/0337 in CINCADO or 2/0339 in GC.



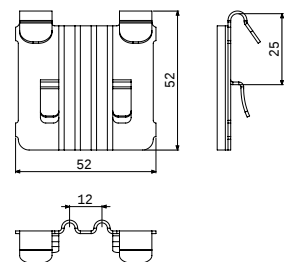
QUICK JOINT



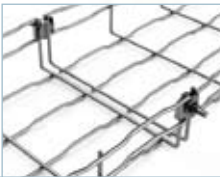
DESCRIPTION	UVM ud	UVE ud	CINCADO		BICRO		GC	
			REF.	kg/ud	REF.	kg/ud	REF.	kg/ud
BASORFIL Quick Joint	50	200	2/6217	0,03	2/6218	0,03	2/6219	0,03

Used as a fastener for BASORFIL trays, H60 and H105.

Simple and fast to assemble for a perfect fit tighten the tabs with pliers.



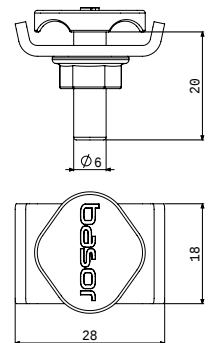
BOLT-STAPLE SET



DESCRIPTION	UVM ud	UVE ud	CINCADO		BICRO		GC	
			REF.	kg/ud	REF.	kg/ud	REF.	kg/ud
BF Bolt-Staple Set	100	100	2/4364	0,03	2/4914	0,03	2/4360	0,03

It consists of a BF-bolt set and a BF-staple.

It can be used as a fastener in all BASORFIL tray series.



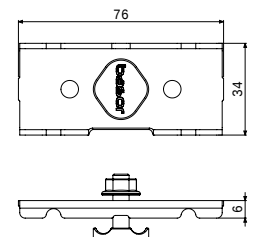
LATERAL UNION SET ULA 65/105



DESCRIPTION	UVM ud	UVE ud	CINCADO		BICRO		GC	
			REF.	kg/ud	REF.	kg/ud	REF.	kg/ud
Lateral Union Set ULA 65/105	100	100	2/4919	0,06	2/4917	0,06	2/4363	0,06

It consists of a bolt-BF set and a lateral union.

It can be used as a fastener with the BFH65 and BFH105 series. Of all the fasteners, this holds the tray the most rigid.

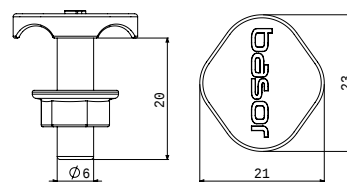


BF BOLT-NUT SET



DESCRIPTION	UVM ud	UVE ud	Pap Nm	CINCADO		BICRO	
				REF.	kg/ud	REF.	kg/ud
BF Bolt-Nut Set	100	100	6	2/4362	0,02	2/4922	0,02

It consists of a BF-bolt and a serrated nut DIN6923. The bolt-BF is specifically designed for BASOR to form a perfect fit between the wire trays.



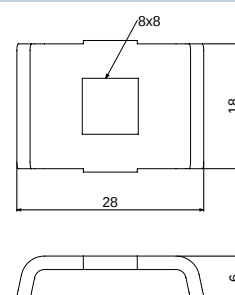
P | PATENTED
9602521

BF STAPLE



DESCRIPTION	UVM ud	UVE ud	CINCADO		BICRO		GC	
			REF.	kg/ud	REF.	kg/ud	REF.	kg/ud
BF Staple	100	1500	2/0337	0,01	2/0338	0,01	2/0339	0,01

Its used to mount the profile divider.



ACCESSORIES

SSC CENTRAL SUSPENSION

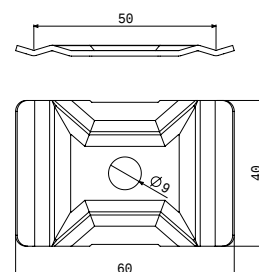


DESCRIPTION	UVM ud	UVE ud	CINCADO		BICRO		GC	
			REF.	kg/ud	REF.	kg/ud	REF.	kg/ud
SSC	10	400	2/2064	0,03	2/2065	0,03	2/0363	0,03

The SSC allows fix the tray to the ceiling with a electrogalvanised M8 threaded rod reference number 2/3397.

At each point of attachment takes two SSC (upper and lower), a rod and two nuts M8 DIN6923, reference 0/0338 in CINCADO and 0/0927 in GC (both products packed in bags of 100).

Also can be used as a fastener between wire mesh and any support with a B1 bolt set reference 2/4356 in CINCADO or 2/6826 in GC.

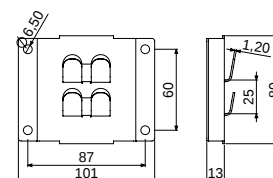


SL



DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
SL	10	100	2/0355	0,08	2/0365	0,13

Allows attachment BASORFIL trays to wall . Used with models 60x65 and 100x65.

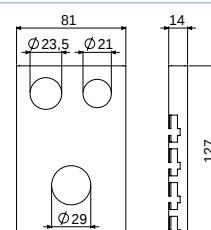


STB



DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
STB	1	1	2/0356	0,14	2/0366	0,14

Allows the fixation of conduits to the cables outlet. You can see section cable management systems insulation conduit.

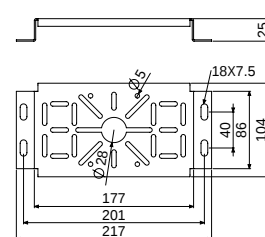


UNIVERSAL SUPPORT BOX



DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
Universal Support Box	1	1	2/0358	0,28	2/0368	0,28

Designed to allow the fixing of boxes to BASORFIL trays series.

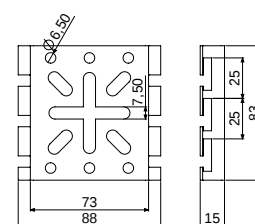


MINI UNIVERSAL SUPPORT BOX



DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
Mini Universal Support Box	1	1	2/0359	0,08	2/0369	0,12

Designed to allow the fixing of boxes to BASORFIL trays series.



SIMPLE SL

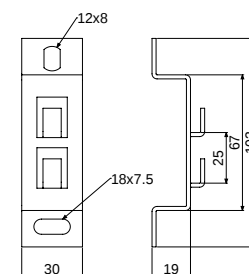


DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
Simple SL	10	100	2/0360	0,05	2/0370	0,05

This piece allows to fix the BASORFIL trays to wall or ceiling, in this case with threaded rod.

For wall mounting is used with a 60x65 and 100x65 models only.

When mounted with threaded rod is necessary to take both sides of the tray. In this case the maximum width of tray is 200, being valid the heights 65 and 105 only.

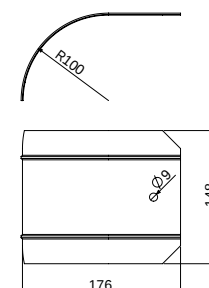


DROP-OUT PLATE



DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
BF/BFR Drop-Out Plate	1	1	2/6451	0,18	2/6452	0,20

To assemble drop-out plate with cable trays it's necessary to use a SSC, a bolt M8x25 DIN933 CINCADO (reference 0/0310) and a serrated nut DIN6923 CINCADO (reference 0/0338).

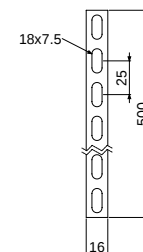
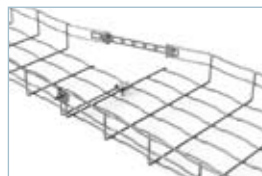


MULTI UNION JOINT



DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
Multi Union Joint	1	1	2/0357	0,05	-	0,05

Supplement used in the workplace for construction of accessories (vertical inside/outside, reduction, etc.)



ASYMMETRIC CUTTING PLIERS



DESCRIPTION	UVM ud	UVE ud
Cutting Pliers	1	1

ZINC SPRAY PAINT



DESCRIPTION	UVM ud	UVE ud
400 Zinc Spray Paint	1	1

Contains 90% Zinc in dry film.

For optimum protection against corrosion, the cuts should be coated with zinc paint.

BASORFIL MOUNTS

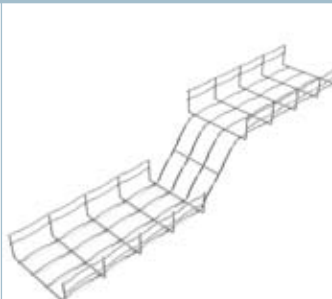
HORIZONTAL BEND



VERTICAL INSIDE



LEVEL CHANGE



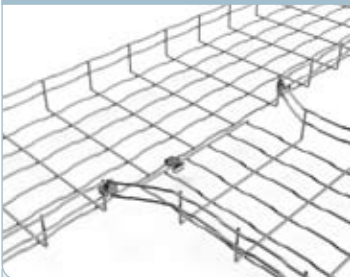
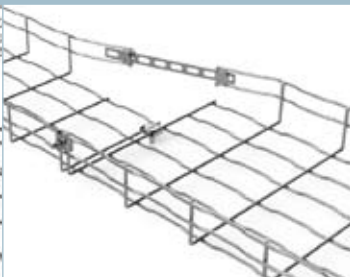
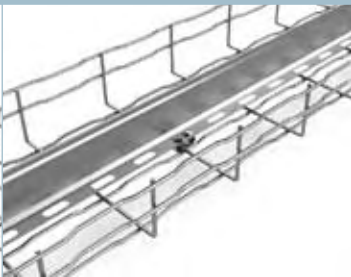
VERTICAL OUTSIDE+INSIDE

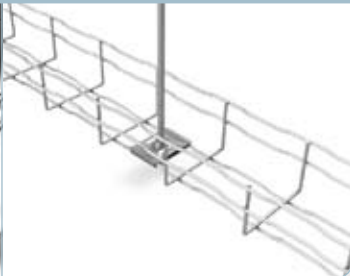


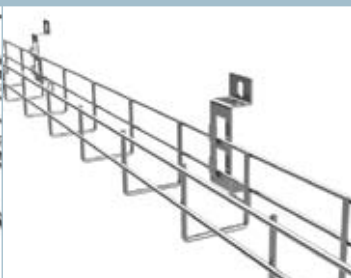
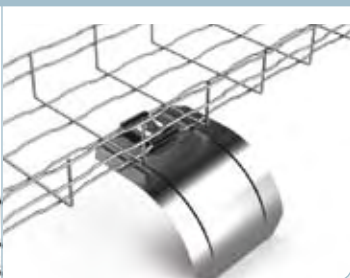
To reinforce the accessorie can be used pieces of multijunction with BF bolt-nut sets.

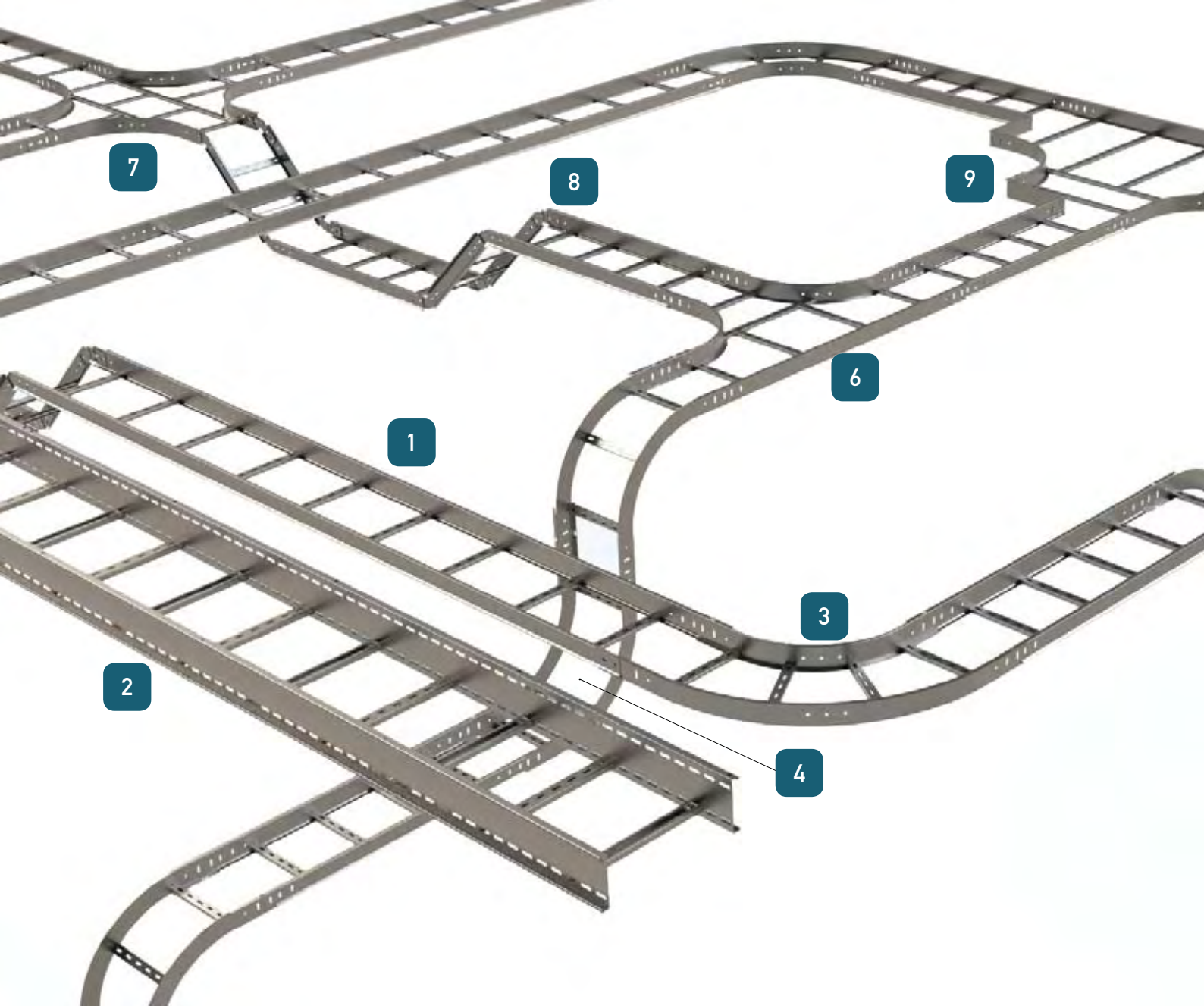
To reinforce the accessorie can be used pieces of multijunction with BF bolt-nut sets.

To reinforce the accessorie can be used pieces of multijunction with BF bolt-nut sets.

T INTERSECTION	REDUCTION	BFR+PS+B1+BF STAPLE	BFR+SRB
			
		B1 bolt set - page 18	WITHOUT BOLTS SRB support - page 81

BFR+SCR+ BF BOLT-NUT SET	BFR+SL+VR8	BFR+SVO+VR8+SSC+B1	SSC CENTRAL SUSPENSION
			
SCB support - page 81	Threaded rod VR8 - page 166 M8 Nut DIN6923 - page 166	SVO - page 85 Threaded rod VR8 and nut- page 166 B1 set bolt - page 18	Threaded rod VR8 and nut- page 166

SL	MINI UNIVERSAL SUPPORT BOX	SIMPLE SL	DROP-OUT PLATE
			
			M8X20 Bolt and nut - page 166



- 1. FE Cable ladder
- 2. BSL Cable ladder
- 3. CPFE Horizontal bend
- 4. CCFE Vertical inside
- 5. CXFE Vertical outside
- 6. TEFE T Intersection
- 7. CRFE Cross intersection
- 8. FE Adjustable joint
- 9. REFE Reduction

SCM

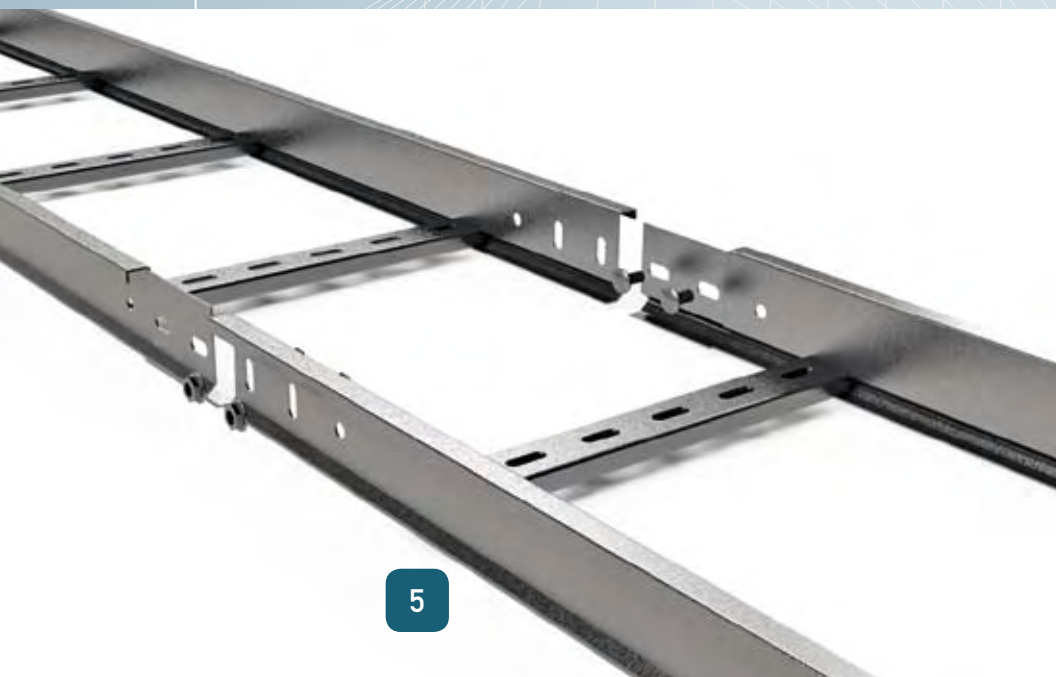


CABLE LADDER

FE H60	Page 62
FE H60 Accessories	Page 63
FE H60 Assemblies	Page 65
FE H75/100/120/150	Page 66
FE H75/100/120/150 Accessories.....	Page 68
FE H75/100/120/150 Assemblies.....	Page 73
BSL	Page 74
BSL Accessories	Page 75
BSL Assemblies	Page 77

- BASORTRAV is a range of cable ladders specifically designed to be used in electrical connections with thick or high power cables which require a higher degree of ventilation.
- They are assembled on big electrical systems such as nuclear plants, tunnels or airports. These cable trays have the advantage of having a great resistance to flexure.

BASORTRAV



1 Security edge to avoid accidents.

2 Patented self-assembly coupler system

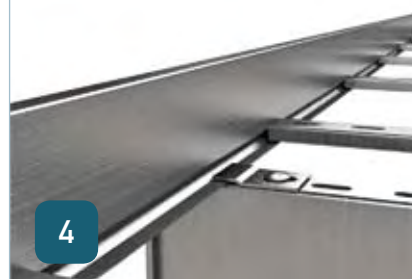
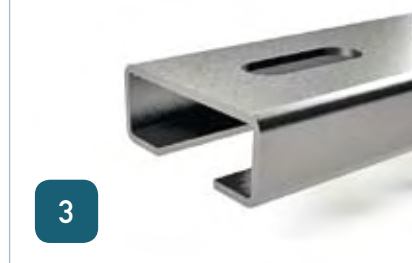
- No couplers needed
- Easier to install
- Less time required for installation
- Union with higher degree of rigidity

3 Rungs with a curved finish to avoid damaging of the cables. There are different cable fixation standard systems for this kind of profile.

4 Inside flange which allows fixation of the cable tray to the support from the inside.

5 Profile which has been designed to offer the best relation between flexure/weight.

6 Self-assembly accessories.



B (mm)	USEFUL AREA (cm²)
	H60
100	45
150	67
200	89
300	134
400	178
500	223
600	267

FE H60 CABLE LADDER



L = 3 m

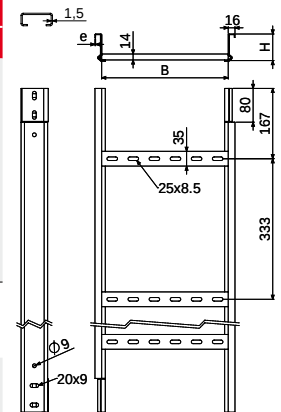
DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2,5m CTA (kg/m)	GC	
							REF.	kg/m
BASORTRAV FE 100x60x1,5	3	6	100	63	1,5	70	2/0749	2,70
BASORTRAV FE 150x60x1,5	3	6	150	63	1,5	70	2/0750	2,84
BASORTRAV FE 200x60x1,5	3	6	200	63	1,5	70	2/0751	2,97
BASORTRAV FE 300x60x1,5	3	6	300	63	1,5	70	2/0752	3,24
BASORTRAV FE 400x60x1,5	3	6	400	63	1,5	70	2/0753	3,50
BASORTRAV FE 500x60x1,5	3	6	500	63	1,5	70	2/0754	3,77
BASORTRAV FE 600x60x1,5	3	6	600	63	1,5	70	2/0755	4,03

For the assembly, **no couplers are needed**. Each stretch requires 4 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, couplers with reference number 2/0854 in GS are needed.

For more technical information, please consult page 211.

Other lengths may be manufactured under order.



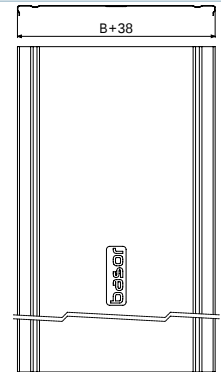
FE COVER



L = 3 m

400/500/600 - L=2 m

DESCRIPTION	UVM m	UVE m	B mm	e mm	GC	
					REF.	kg/m
FE COVER 100	3	3	100	0,7	2/4937	1,10
FE COVER 150	3	3	150	0,7	2/4472	1,62
FE COVER 200	3	3	200	0,7	2/4473	1,75
FE COVER 300	3	3	300	0,7	2/3579	2,71
FE COVER 400	2	2	400	0,7	2/4430	3,44
FE COVER 500	2	2	500	0,8	2/4509	4,17
FE COVER 600	2	2	600	0,8	2/4494	6,01



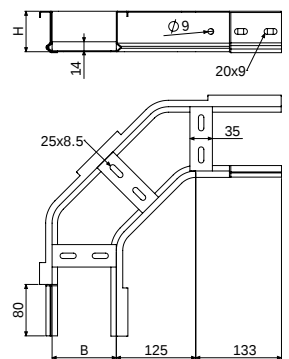
FE H60 HORIZONTAL BEND



L = 3 m

DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CPFE 100x60	1	2	100	63	1,5	2/0770	1,53
CPFE 150x60	1	2	150	63	1,5	2/0771	1,77
CPFE 200x60	1	2	200	63	1,5	2/0772	2,01
CPFE 300x60	1	2	300	63	1,5	2/0773	2,48
CPFE 400x60	1	2	400	63	1,5	2/0774	2,85
CPFE 500x60	1	2	500	63	1,5	2/0775	3,42
CPFE 600x60	1	2	600	63	1,5	2/0776	3,89

For the assembly, **no couplers are needed**. Each bend requires 4 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).



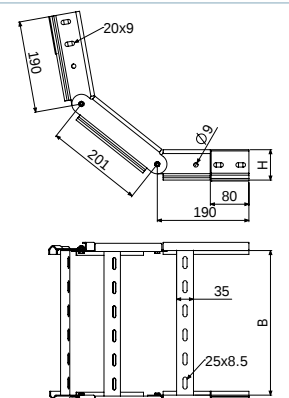
CCCX FE H60 ARTICULATED VERTICAL BEND



L = 3 m

DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CCFE/CXFE 100x60	1	2	100	63	1,5	2/5222	1,53
CCFE/CXFE 150x60	1	2	150	63	1,5	2/5223	1,66
CCFE/CXFE 200x60	1	2	200	63	1,5	2/5224	1,80
CCFE/CXFE 300x60	1	2	300	63	1,5	2/5225	2,08
CCFE/CXFE 400x60	1	2	400	63	1,5	2/5226	2,35
CCFE/CXFE 500x60	1	2	500	63	1,5	2/5227	2,63
CCFE/CXFE 600x60	1	2	600	63	1,5	2/5228	2,90

For the assembly, **no couplers are needed**. Each bend requires 4 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).

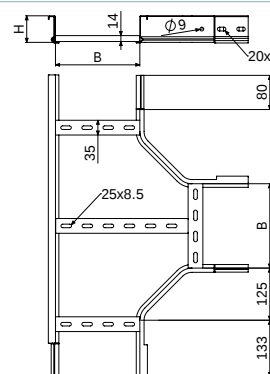


T DERIVATION TEFE H60



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
TEFE 100x60	1	2	100	63	1,5	2/0812	2,19
TEFE 150x60	1	2	150	63	1,5	2/0813	2,43
TEFE 200x60	1	2	200	63	1,5	2/0814	2,66
TEFE 300x60	1	2	300	63	1,5	2/0815	3,12
TEFE 400x60	1	2	400	63	1,5	2/0816	4,03
TEFE 500x60	1	2	500	63	1,5	2/0817	4,59
TEFE 600x60	1	2	600	63	1,5	2/0818	5,76

For the assembly, **no couplers are needed**. Each T derivation requires 8 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).

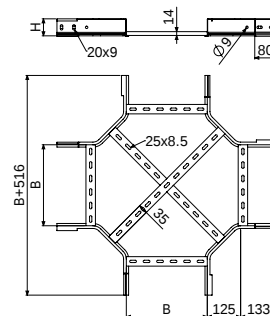


CROSS DERIVATION CRFE H60



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CRFE 100x60	1	2	100	63	1,5	2/0833	2,88
CRFE 150x60	1	2	150	63	1,5	2/0834	3,18
CRFE 200x60	1	2	200	63	1,5	2/0835	3,48
CRFE 300x60	1	2	300	63	1,5	2/0836	4,07
CRFE 400x60	1	2	400	63	1,5	2/0837	4,66
CRFE 500x60	1	2	500	63	1,5	2/0838	5,25
CRFE 600x60	1	2	600	63	1,5	2/0839	6,50

For the assembly, **no couplers are needed**. Each cross derivation requires 12 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).

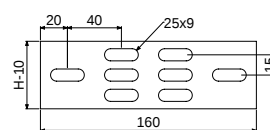


H60 JOINT PLATE



DESCRIPTION	UVM ud	UVE ud	H mm	e mm	GC	
					REF.	kg/ud
J/UNIÓN FE H60	10	125	60	2	2/0854	0,08

4 bolts are needed to mount each joint plate, with reference number 2/6792 in GC (products packed in bags containing 100 units).

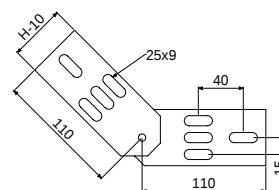


ARTICULATED UNION JOINT



DESCRIPTION	UVM ud	UVE ud	H mm	e mm	GC	
					REF.	kg/ud
J/UNIÓN UA FE H60	10	125	60	2	2/0857	0,14

4 bolts are needed to mount each union joint, with reference number 2/6792 in GC (products packed in bags containing 100 units).

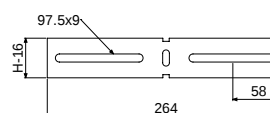


ANGLE JOINT

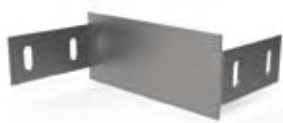


DESCRIPTION	UVM ud	UVE ud	H mm	e mm	GC	
					REF.	kg/ud
J/UNIÓN UB FE H60	10	125	60	2	2/0860	0,13

4 bolts are needed to mount each union joint, with reference number 2/6792 in GC (products packed in bags containing 100 units).

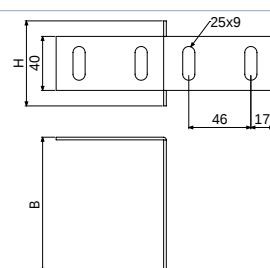


REDUCTION FE H60



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
REFE 50x60	1	1	50	63	2	2/6799	0,16
REFE 100x60	1	1	100	63	2	2/6800	0,20
REFE 150x60	1	1	150	63	2	2/6801	0,25
REFE 200x60	1	1	200	63	2	2/6802	0,30

For the assembly, **no couplers are needed**. Each reduction requires 4 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).



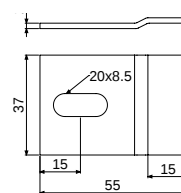
FE CLAMP



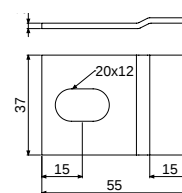
DESCRIPTION	UVM ud	UVE ud	e mm	GC	
				REF.	kg/ud
CLAMP M-6/8	100	500	2	2/0863	0,029
CLAMP M-10/12	100	500	2	2/0864	0,028

Used to fix the trays to the supports.

2 clamps are needed for each support



M-6/8



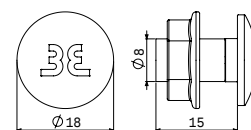
M-10/12

B2 BOLT SET M8x15



DESCRIPTION	UVM ud	UVE ud	Pap Nm	GC	
				REF.	kg/ud
PACK 100 B2 BOLT SET M8x15	1	1	15	2/6792	1,00

The B2 bolt set consists of a M8x15 DIN603 mushroom head square neck bolt and a M8 DIN6923 flange nut with serration for a perfect fit. Used to mount all accessories BASORTRAV series.



FE H60 MOUNTS

FE SELF-ASSEMBLY



CCCX FE H60



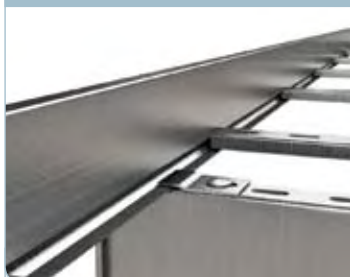
CPFE H60



REFE H60 + FE H60



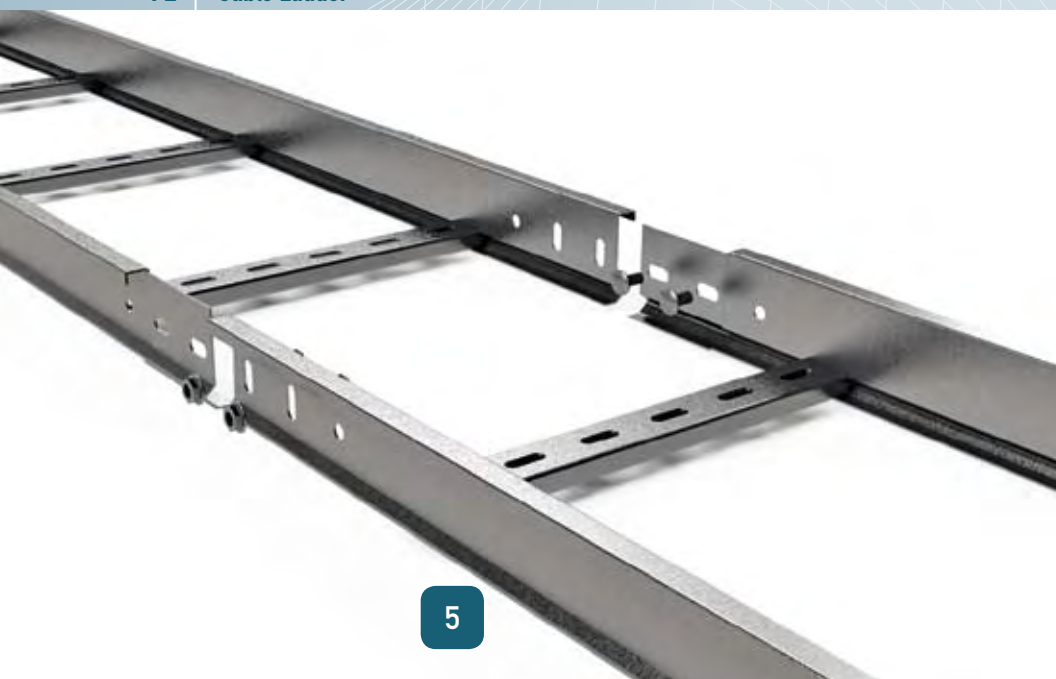
SHR+FE CLAMP M8 + FE H60



SHR pág. 83.

UA FE H60





1 Security edge to avoid accidents.

2 Patented self-assembly coupler system

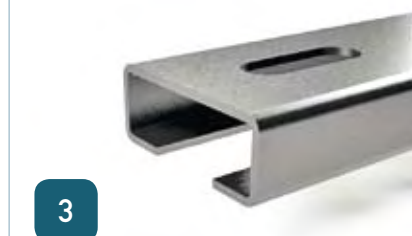
- No couplers needed
- Easier to install
- Less time required for installation
- Union with higher degree of rigidity

3 Rungs with a curved finish to avoid damaging the cables. There are different cable fixation standard systems for this kind of profile.

4 Inside flange which allows fixation of the cable tray to the support from the inside.

5 Profile which has been designed to offer the best relation between flexure/weight.

6 Circular accessories which allow a radius of curvature of the cables of 330 mm.



B (mm)	USEFUL AREA (cm²)			
	H75	H100	H120	H150
100	59	84	-	-
150	89	126	156	201
200	118	168	208	268
300	177	252	312	402
400	236	336	416	536
500	295	420	520	670
600	354	504	624	804

FE H75 CABLE LADDER



L = 3 m

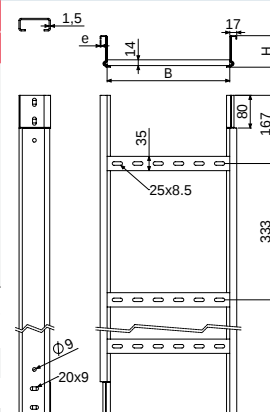
DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2,5m CTA (kg/m)	GC	
							REF.	kg/m
BASORTRAV FE 100x75x2	3	6	100	75	2	115	2/0865	3,82
BASORTRAV FE 150x75x2	3	6	150	75	2	115	2/0866	3,96
BASORTRAV FE 200x75x2	3	6	200	75	2	115	2/0867	4,09
BASORTRAV FE 300x75x2	3	6	300	75	2	115	2/0868	4,35
BASORTRAV FE 400x75x2	3	6	400	75	2	115	2/0869	4,62
BASORTRAV FE 500x75x2	3	6	500	75	2	115	2/0870	4,88
BASORTRAV FE 600x75x2	3	6	600	75	2	115	2/0871	5,15

For the assembly, **no couplers are needed**. Each stretch requires 4 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, FE couplers of the corresponding height in GC are needed.

For more technical information, please consult page 211.

Other lengths may be manufactured under order.



FE H100 CABLE LADDER



L = 3 m

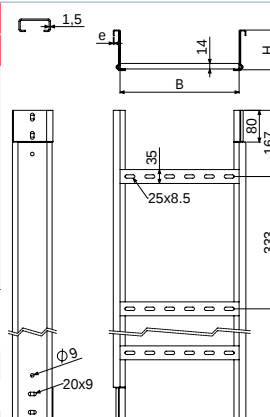
DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2,5m CTA (kg/m)	GC	
							REF.	kg/m
BASORTRAV FE 100x100x2	3	6	100	100	2	210	2/0872	5,03
BASORTRAV FE 150x100x2	3	6	150	100	2	210	2/0873	5,16
BASORTRAV FE 200x100x2	3	6	200	100	2	210	2/0874	5,29
BASORTRAV FE 300x100x2	3	6	300	100	2	210	2/0875	5,56
BASORTRAV FE 400x100x2	3	6	400	100	2	210	2/0876	5,82
BASORTRAV FE 500x100x2	3	6	500	100	2	210	2/0877	6,08
BASORTRAV FE 600x100x2	3	6	600	100	2	185	2/0878	6,35

For the assembly, **no couplers are needed**. Each stretch requires 4 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, FE couplers of the corresponding height in GC are needed.

For more technical information, please consult page 211.

Other lengths may be manufactured under order.



FE H120 CABLE LADDER



L = 3 m

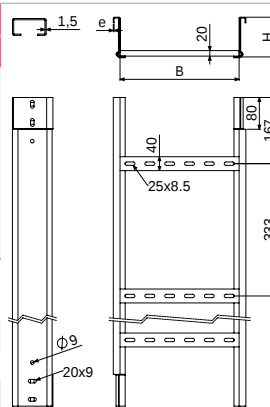
DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2,5m CTA (kg/m)	GC	
							REF.	kg/m
BASORTRAV FE 150x120x2	3	6	150	120	2	280	2/6854	5,94
BASORTRAV FE 200x120x2	3	6	200	120	2	280	2/6855	6,11
BASORTRAV FE 300x120x2	3	6	300	120	2	280	2/6856	6,44
BASORTRAV FE 400x120x2	3	6	400	120	2	280	2/6857	6,78
BASORTRAV FE 500x120x2	3	6	500	120	2	280	2/6858	7,12
BASORTRAV FE 600x120x2	3	6	600	120	2	280	2/6859	7,46

For the assembly, **no couplers are needed**. Each stretch requires 4 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, FE couplers of the corresponding height in GC are needed.

For more technical information, please consult page 211.

Other lengths may be manufactured under order.



FE H150 CABLE LADDER



L = 3 m

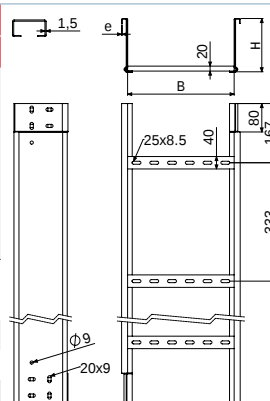
DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=2,5m CTA (kg/m)	GC	
							REF.	kg/m
BASORTRAV FE 150x150x2	3	6	150	150	2	405	2/6860	6,91
BASORTRAV FE 200x150x2	3	6	200	150	2	405	2/6861	7,07
BASORTRAV FE 300x150x2	3	6	300	150	2	405	2/6862	7,40
BASORTRAV FE 400x150x2	3	6	400	150	2	405	2/6863	7,72
BASORTRAV FE 500x150x2	3	6	500	150	2	380	2/6864	8,05
BASORTRAV FE 600x150x2	3	6	600	150	2	315	2/6865	8,37

For the assembly, **no couplers are needed**. Each stretch requires 8 bolts with reference number 2/6792 in GC (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, FE couplers of the corresponding height in GC are needed.

For more technical information, please consult page 211.

Other lengths may be manufactured under order.



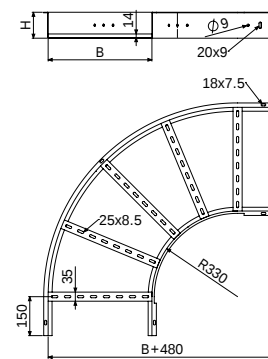
HORIZONTAL BEND FE



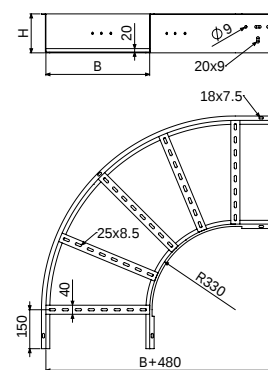
DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CPFE 100x75	1	2	100	75	2	2/0887	3,46
CPFE 150x75	1	2	150	75	2	2/0888	3,77
CPFE 200x75	1	2	200	75	2	2/0889	4,07
CPFE 300x75	1	2	300	75	2	2/0890	4,69
CPFE 400x75	1	2	400	75	2	2/0891	5,63
CPFE 500x75	1	2	500	75	2	2/0892	6,33
CPFE 600x75	1	2	600	75	2	2/0893	7,53
CPFE 100x100	1	2	100	100	2	2/0895	4,23
CPFE 150x100	1	2	150	100	2	2/0896	4,57
CPFE 200x100	1	2	200	100	2	2/0897	4,91
CPFE 300x100	1	2	300	100	2	2/0898	5,59
CPFE 400x100	1	2	400	100	2	2/0899	6,60
CPFE 500x100	1	2	500	100	2	2/0900	7,36
CPFE 600x100	1	2	600	100	2	2/0901	8,64
CPFE 150x120	1	2	150	120	2	2/6880	5,38
CPFE 200x120	1	2	200	120	2	2/6881	5,80
CPFE 300x120	1	2	300	120	2	2/6882	6,64
CPFE 400x120	1	2	400	120	2	2/6883	7,94
CPFE 500x120	1	2	500	120	2	2/6884	8,90
CPFE 600x120	1	2	600	120	2	2/6885	10,53
CPFE 150x150	1	2	150	150	2	2/6886	6,33
CPFE 200x150	1	2	200	150	2	2/6887	6,80
CPFE 300x150	1	2	300	150	2	2/6888	7,72
CPFE 400x150	1	2	400	150	2	2/6889	9,10
CPFE 500x150	1	2	500	150	2	2/6890	10,14
CPFE 600x150	1	2	600	150	2	2/6891	11,85

Two FE couplers of the corresponding height are needed to mount

Each bend requires 8 bolts (16 for H150 height) with reference number 2/6792 in GC (products packed in bags containing 100 units).



CPFE H75/100/120
RUNG H120: 40x20



CPFE H150

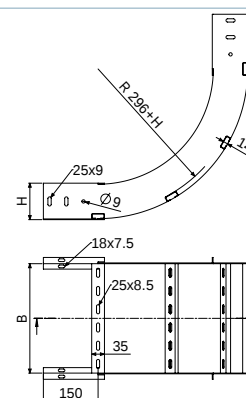
VERTICAL INSIDE FE



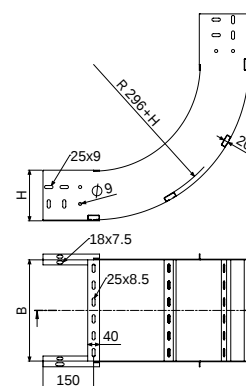
DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CCFE 100x75	1	2	100	75	2	2/4794	2,71
CCFE 150x75	1	2	150	75	2	2/4596	2,88
CCFE 200x75	1	2	200	75	2	2/4548	3,07
CCFE 300x75	1	2	300	75	2	2/4549	3,43
CCFE 400x75	1	2	400	75	2	2/0802	3,78
CCFE 500x75	1	2	500	75	2	2/0803	4,14
CCFE 600x75	1	2	600	75	2	2/0804	4,50
CCFE 100x100	1	2	100	100	2	2/0805	3,50
CCFE 150x100	1	2	150	100	2	2/0806	3,69
CCFE 200x100	1	2	200	100	2	2/0807	3,86
CCFE 300x100	1	2	300	100	2	2/0808	4,22
CCFE 400x100	1	2	400	100	2	2/0809	4,59
CCFE 500x100	1	2	500	100	2	2/0810	4,94
CCFE 600x100	1	2	600	100	2	2/0811	5,30
CCFE 150x120	1	2	150	120	2	2/6892	4,51
CCFE 200x120	1	2	200	120	2	2/6893	4,74
CCFE 300x120	1	2	300	120	2	2/6894	5,22
CCFE 400x120	1	2	400	120	2	2/6895	5,69
CCFE 500x120	1	2	500	120	2	2/6896	6,16
CCFE 600x120	1	2	600	120	2	2/6897	6,64
CCFE 150x150	1	2	150	150	2	2/6898	5,50
CCFE 200x150	1	2	200	150	2	2/6899	5,73
CCFE 300x150	1	2	300	150	2	2/6900	6,21
CCFE 400x150	1	2	400	150	2	2/6901	6,68
CCFE 500x150	1	2	500	150	2	2/6902	7,15
CCFE 600x150	1	2	600	150	2	2/6903	7,63

Two FE couplers of the corresponding height are needed to mount

Each accessory requires 8 bolts (16 for H150 height) with reference number 2/6792 in GC (products packed in bags containing 100 units).



CCFE H75/100/120
RUNG H120: 40x20



CCFE H150

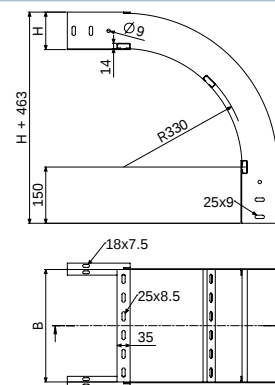
VERTICAL OUTSIDE FE



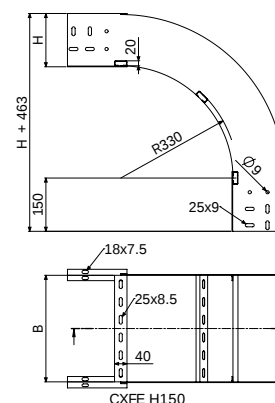
DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CXFE 100x75	1	2	100	75	2	2/0909	2,61
CXFE 150x75	1	2	150	75	2	2/0910	2,75
CXFE 200x75	1	2	200	75	2	2/0911	2,88
CXFE 300x75	1	2	300	75	2	2/0912	3,15
CXFE 400x75	1	2	400	75	2	2/0913	3,43
CXFE 500x75	1	2	500	75	2	2/0914	3,70
CXFE 600x75	1	2	600	75	2	2/0915	3,97
CXFE 100x100	1	2	100	100	2	2/0916	3,41
CXFE 150x100	1	2	150	100	2	2/0917	3,55
CXFE 200x100	1	2	200	100	2	2/0918	3,69
CXFE 300x100	1	2	300	100	2	2/0919	3,95
CXFE 400x100	1	2	400	100	2	2/0920	4,22
CXFE 500x100	1	2	500	100	2	2/0921	4,49
CXFE 600x100	1	2	600	100	2	2/0922	4,76
CXFE 150x120	1	2	150	120	2	2/6904	4,32
CXFE 200x120	1	2	200	120	2	2/6905	4,51
CXFE 300x120	1	2	300	120	2	2/6906	4,86
CXFE 400x120	1	2	400	120	2	2/6907	5,21
CXFE 500x120	1	2	500	120	2	2/6908	5,57
CXFE 600x120	1	2	600	120	2	2/6909	5,92
CXFE 150x150	1	2	150	150	2	2/6910	5,31
CXFE 200x150	1	2	200	150	2	2/6911	5,50
CXFE 300x150	1	2	300	150	2	2/6912	5,85
CXFE 400x150	1	2	400	150	2	2/6913	6,21
CXFE 500x150	1	2	500	150	2	2/6914	6,56
CXFE 600x150	1	2	600	150	2	2/6915	6,91

Two FE couplers of the corresponding height are needed to mount

Each bend requires 8 bolts (16 for H150 height) with reference number 2/6792 in GC (products packed in bags containing 100 units).



CXFE H75/100/120
RUNG H120: 40x20



CXFE H150

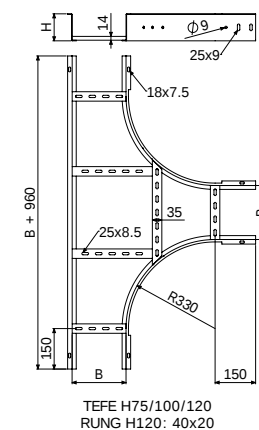
TE DERIVATION FE



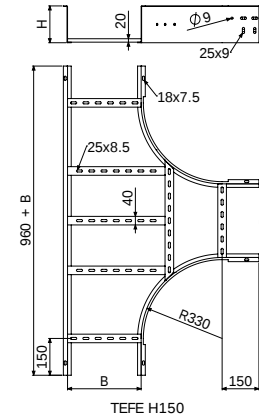
DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
TEFE 100x75	1	2	100	75	2	2/0930	5,41
TEFE 150x75	1	2	150	75	2	2/0931	5,76
TEFE 200x75	1	2	200	75	2	2/0932	6,12
TEFE 300x75	1	2	300	75	2	2/0933	6,84
TEFE 400x75	1	2	400	75	2	2/0934	8,01
TEFE 500x75	1	2	500	75	2	2/0935	8,81
TEFE 600x75	1	2	600	75	2	2/0936	9,62
TEFE 100x100	1	2	100	100	2	2/0937	6,56
TEFE 150x100	1	2	150	100	2	2/0938	6,94
TEFE 200x100	1	2	200	100	2	2/0939	7,32
TEFE 300x100	1	2	300	100	2	2/0940	8,08
TEFE 400x100	1	2	400	100	2	2/0941	9,29
TEFE 500x100	1	2	500	100	2	2/0942	10,14
TEFE 600x100	1	2	600	100	2	2/0943	10,98
TEFE 150x120	1	2	150	120	2	2/6916	8,20
TEFE 200x120	1	2	200	120	2	2/6917	8,69
TEFE 300x120	1	2	300	120	2	2/6918	9,67
TEFE 400x120	1	2	400	120	2	2/6919	11,24
TEFE 500x120	1	2	500	120	2	2/6920	12,33
TEFE 600x120	1	2	600	120	2	2/6921	13,42
TEFE 150x150	1	2	150	150	2	2/6922	9,61
TEFE 200x150	1	2	200	150	2	2/6923	10,13
TEFE 300x150	1	2	300	150	2	2/6924	11,15
TEFE 400x150	1	2	400	150	2	2/6925	12,78
TEFE 500x150	1	2	500	150	2	2/6926	13,92
TEFE 600x150	1	2	600	150	2	2/6927	15,06

Four FE couplers of the corresponding height are needed to mount

Each accessory requires 16 bolts (32 for H150 height) with reference number 2/6792 in GC (products packed in bags containing 100 units).



TEFE H75/100/120
RUNG H120: 40x20

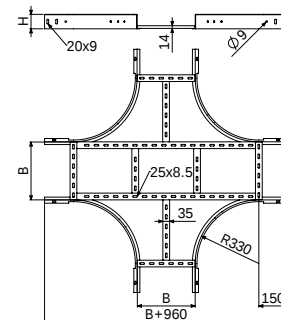
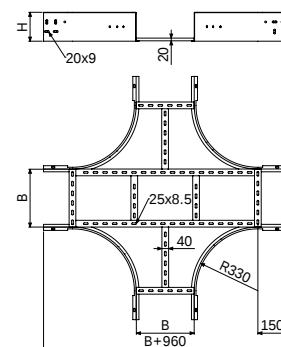


TEFE H150

CROSS DERIVATION FE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CRFE 100x75	1	2	100	75	2	2/0951	6,54
CRFE 150x75	1	2	150	75	2	2/0952	6,75
CRFE 200x75	1	2	200	75	2	2/0953	7,07
CRFE 300x75	1	2	300	75	2	2/0954	9,90
CRFE 400x75	1	2	400	75	2	2/0955	10,71
CRFE 500x75	1	2	500	75	2	2/0956	11,44
CRFE 600x75	1	2	600	75	2	2/0957	15,01
CRFE 100x100	1	2	100	100	2	2/0958	7,85
CRFE 150x100	1	2	150	100	2	2/0959	8,15
CRFE 200x100	1	2	200	100	2	2/0960	8,47
CRFE 300x100	1	2	300	100	2	2/0961	11,29
CRFE 400x100	1	2	400	100	2	2/0962	12,11
CRFE 500x100	1	2	500	100	2	2/0963	12,84
CRFE 600x100	1	2	600	100	2	2/0964	16,40
CRFE 150x120	1	2	150	120	2	2/6928	9,62
CRFE 200x120	1	2	200	120	2	2/6929	10,04
CRFE 300x120	1	2	300	120	2	2/6930	13,81
CRFE 400x120	1	2	400	120	2	2/6931	14,90
CRFE 500x120	1	2	500	120	2	2/6932	15,87
CRFE 600x120	1	2	600	120	2	2/6933	20,62
CRFE 150x150	1	2	150	150	2	2/6934	11,30
CRFE 200x150	1	2	200	150	2	2/6935	11,72
CRFE 300x150	1	2	300	150	2	2/6936	15,49
CRFE 400x150	1	2	400	150	2	2/6937	16,57
CRFE 500x150	1	2	500	150	2	2/6938	17,55
CRFE 600x150	1	2	600	150	2	2/6939	22,30


 CRFE H75/100/120
 RUNG H120: 40x20


CRFE H150

Six FE couplers of the corresponding height are needed to mount

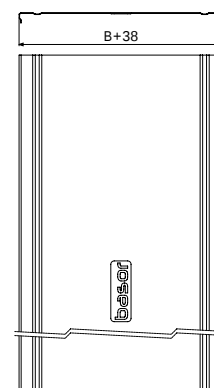
Each bend requires 24 bolts (48 for H150 height) with reference number 2/6792 in GC (products packed in bags containing 100 units).

FE COVER



L = 3 m
 400/500/600 - L=2 m

DESCRIPTION	UVM m	UVE m	B mm	e mm	GC	
					REF.	kg/m
FE COVER 100	3	3	100	0,7	2/4937	1,10
FE COVER 150	3	3	150	0,7	2/4472	1,62
FE COVER 200	3	3	200	0,7	2/4473	1,75
FE COVER 300	3	3	300	0,7	2/3579	2,71
FE COVER 400	2	2	400	0,7	2/4430	3,44
FE COVER 500	2	2	500	0,8	2/4509	4,17
FE COVER 600	2	2	600	0,8	2/4494	6,01

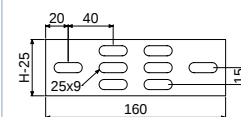


FE JOINT PLATE

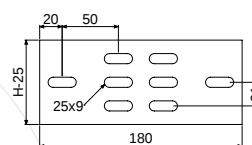


DESCRIPTION	UVM ud	UVE ud	H mm	e mm	GC	
					REF.	kg/ud
JOINT PLATE U FE 75	10	125	75	2	2/0854	0,08
JOINT PLATE U FE 100	10	125	100	2	2/0856	0,20
JOINT PLATE U FE 120	10	125	120	2	2/6940	0,25
JOINT PLATE U FE 150	10	125	150	2	2/6941	0,33

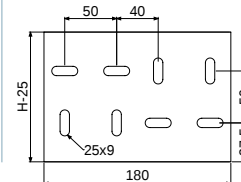
Each joint plate requires 4 bolts (8 for H150 height) with reference number 2/6792 in GC (products packed in bags containing 100 units).



U FE 75



U FE 100/120



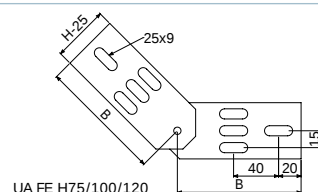
U FE 150

FE ARTICULATED JOINT

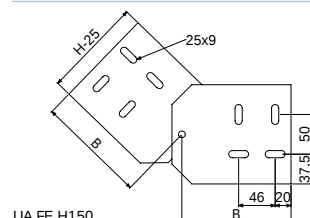


DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
FE A/JOINT H75	10	125	110	75	2	2/0857	0,08
FE A/JOINT H100	10	125	137,5	100	2	2/0859	0,20
FE A/JOINT H120	10	125	138	120	2	2/6944	0,25
FE A/JOINT H150	10	125	138	150	2	2/6945	0,33

Each articulated joint requires 4 bolts (8 for H150 height) with reference number 2/6792 in GC (products packed in bags containing 100 units).



UA FE H75/100/120



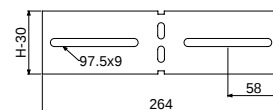
UA FE H150

FE ANGLE JOINT

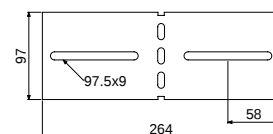


DESCRIPTION	UVM ud	UVE ud	H mm	e mm	GC	
					REF.	kg/ud
FE A/JOINT UB H75	10	125	75	2	2/0860	0,13
FE A/JOINT UB H100	10	125	100	2	2/0862	0,30
FE A/JOINT UB H120	10	125	120	2	2/6944	0,38
FE A/JOINT UB H150	10	125	150	2	2/6945	0,46

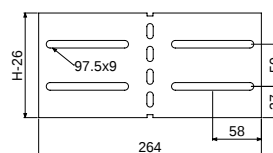
Each angle joint requires 4 bolts (8 for H150 height) with reference number 2/6792 in GC (products packed in bags containing 100 units).



UB FE H75/100



UB FE H120



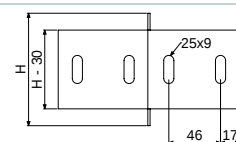
UB FE H150

FE REDUCTION

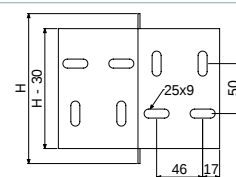


DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
FE REDUCTION 50x75	1	1	50	75	2	2/6803	0,17
FE REDUCTION 100x75	1	1	100	75	2	2/6804	0,23
FE REDUCTION 150x75	1	1	150	75	2	2/6805	0,30
FE REDUCTION 200x75	1	1	200	75	2	2/6806	0,36
FE REDUCTION 50x100	1	1	50	100	2	2/6807	0,26
FE REDUCTION 100x100	1	1	100	100	2	2/6808	0,34
FE REDUCTION 150x100	1	1	150	100	2	2/6809	0,43
FE REDUCTION 200x100	1	1	200	100	2	2/6810	0,51
FE REDUCTION 50x120	1	1	50	120	2	2/6954	0,33
FE REDUCTION 100x120	1	1	100	120	2	2/6955	0,43
FE REDUCTION 150x120	1	1	150	120	2	2/6956	0,53
FE REDUCTION 200x120	1	1	200	120	2	2/6957	0,63
FE REDUCTION 50x150	1	1	50	150	2	2/6958	0,42
FE REDUCTION 100x150	1	1	100	150	2	2/6959	0,55
FE REDUCTION 150x150	1	1	150	150	2	2/6960	0,67
FE REDUCTION 200x150	1	1	200	150	2	2/6961	0,80

Each piece requires 4 bolts (8 for H150 height) with reference number 2/6792 in GC (products packed in bags containing 100 units).



RE FE H75/100/120



RE FE H150

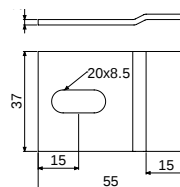
FE CLAMP



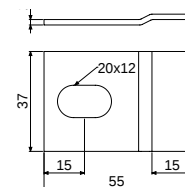
DESCRIPTION	UVM ud	UVE ud	e mm	GC	
				REF.	kg/ud
FE CLAMP M-6/8	100	500	2	2/0863	0,029
FE CLAMP M-10/12	100	500	2	2/0864	0,028

Used to fix the trays to the supports.

Two clamps are needed for each support.



M-6/8



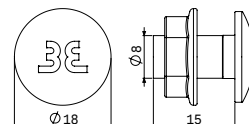
M-10/12

B2 BOLT SET M8x15

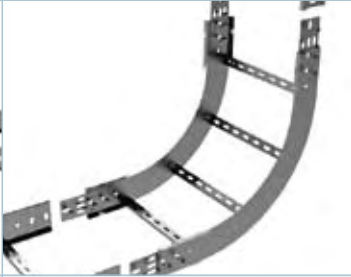
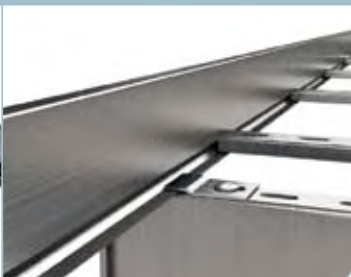


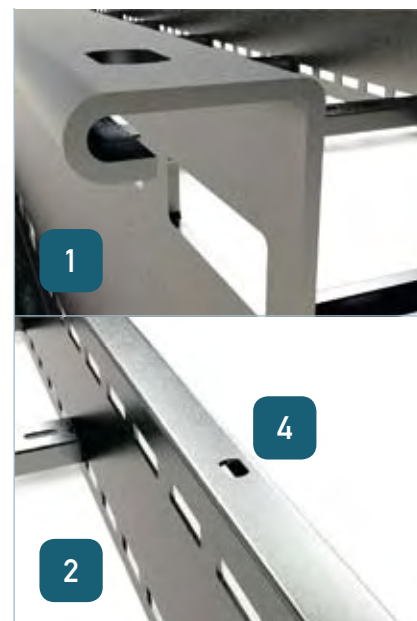
DESCRIPTION	UVM ud	UVE ud	Pap Nm	GC	
				REF.	kg/ud
PACK 100 B2 BOLT SET M8x15	1	1	15	2/6792	1,00

The B2 bolt set consists of a M8x15 DIN603 mushroom head square neck bolt and a M8 DIN6923 flange nut with serration for a perfect fit. Used to mount all accessories BASORTRAV series.



FE MOUNTS

FE SELF-ASSEMBLY	CPFE HORIZONTAL BEND	CC VERTICAL INSIDE	CRFE CROSS INTERSECTION
			
REFE + FE	UA-FE ARTICULATED JOINT	SHR+FE CLAMP M8 + FE	
			
		SHR support – page 83.	



1 Security edge to avoid accidents.

2 Perforated side to facilitate:

- Ventilation in case a cover is assembled.
- Assembly in situations in which the union between the parts when cut is done at the workplace.

3 Rungs are characterised by two things:

- Their varied layout allows the use of different cable fixation systems.
- Their curved design avoids possible accidents in cables and people.

4 Perforations prepared for the fixing of a cover.

5 Profile designed to sustain great loads.

6 Circular accessories which allow a radius of curvature of the cables of 330 mm.



BSL	USEFUL AREA (cm ²)	
	H150	H200
300	345	495
400	460	660
600	690	990

BSL H150 CABLE LADDER



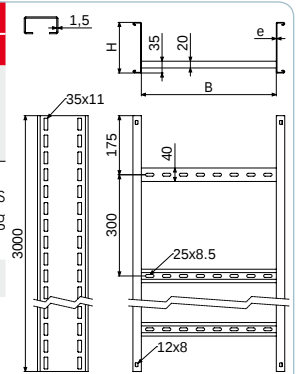
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=3m CTA (kg/m)	GC	
							REF.	kg/m
BASORTRAV BSL 300x150x2	3	6	300	150	2	327	2/6437	8,00
BASORTRAV BSL 400x150x2	3	6	400	150	2	327	2/6438	8,38
BASORTRAV BSL 600x150x2	3	6	600	150	2	327	2/6439	9,14

For the assembly of the cable trays, 2 BSL H150 couplers with reference number 2/6445 in GC and 16 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

Other lengths may be manufactured under order.

For more technical information, please consult page 211.



BSL H200 CABLE LADDER



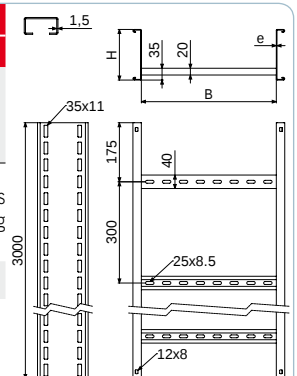
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	d=3m CTA (kg/m)	GC	
							REF.	kg/m
BASORTRAV BSL 300x200x2	3	6	300	200	2	503	2/6442	9,73
BASORTRAV BSL 400x200x2	3	6	400	200	2	503	2/6443	10,11
BASORTRAV BSL 600x200x2	3	6	600	200	2	351	2/6444	10,87

For the assembly of the cable trays, 2 BSL H200 couplers with reference number 2/6446 in GC and 16 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

Other lengths may be manufactured under order.

For more technical information, please consult page 211.

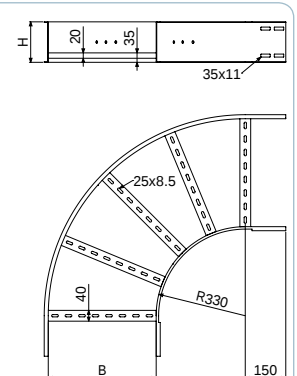


CPBSL HORIZONTAL BEND



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CPBSL 300x150	1	2	300	150	2	2/6962	7,51
CPBSL 400x150	1	2	400	150	2	2/6963	8,90
CPBSL 600x150	1	2	600	150	2	2/6964	11,67
CPBSL 300x200	1	2	300	200	2	2/6965	9,33
CPBSL 400x200	1	2	400	200	2	2/6966	10,86
CPBSL 600x200	1	2	600	200	2	2/6967	13,91

For the assembly of the bend, 2 BSL couplers of the corresponding height and 16 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

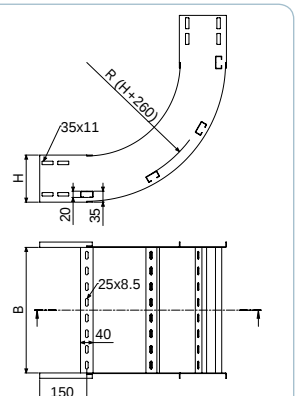


CCBSL VERTICAL INSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CCBSL 300x150	1	2	300	150	2	2/6968	6,05
CCBSL 400x150	1	2	400	150	2	2/6969	6,51
CCBSL 600x150	1	2	600	150	2	2/6970	7,42
CCBSL 300x200	1	2	300	200	2	2/6971	7,84
CCBSL 400x200	1	2	400	200	2	2/6972	8,30
CCBSL 600x200	1	2	600	200	2	2/6973	9,21

For the assembly of the accessory, 2 BSL couplers of the corresponding height and 16 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

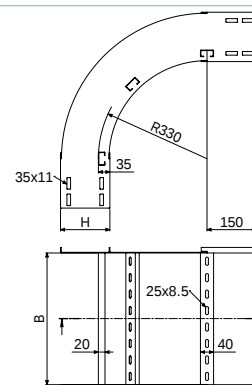


CXBSL VERTICAL OUTSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CXBSL 300x150	1	2	300	150	2	2/6974	5,71
CXBSL 400x150	1	2	400	150	2	2/6975	6,05
CXBSL 600x150	1	2	600	150	2	2/6976	6,74
CXBSL 300x200	1	2	300	200	2	2/6977	7,50
CXBSL 400x200	1	2	400	200	2	2/6978	7,84
CXBSL 600x200	1	2	600	200	2	2/6979	8,53

For the assembly of the accessory, 2 BSL couplers of the corresponding height and 16 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

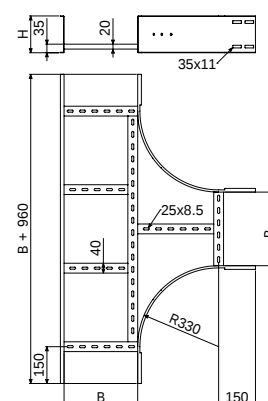


TEBSL INTERSECTION



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
TEBSL 300x150	1	2	300	150	2	2/6980	11,36
TEBSL 400x150	1	2	400	150	2	2/6981	12,76
TEBSL 600x150	1	2	600	150	2	2/6982	14,96
TEBSL 300x200	1	2	300	200	2	2/6983	13,87
TEBSL 400x200	1	2	400	200	2	2/6984	15,35
TEBSL 600x200	1	2	600	200	2	2/6985	17,73

For the assembly of the accessory, 4 BSL couplers of the corresponding height and 32 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

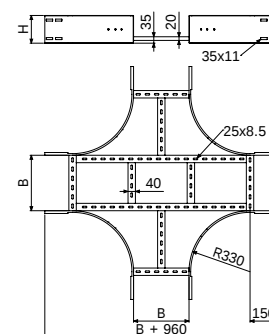


CRBSL INTERSECTION



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	e mm	GC	
						REF.	kg/ud
CRBSL 300x150	1	2	300	150	2	2/6986	13,85
CRBSL 400x150	1	2	400	150	2	2/6987	15,84
CRBSL 600x150	1	2	600	150	2	2/6988	17,89
CRBSL 300x200	1	2	300	200	2	2/6989	16,68
CRBSL 400x200	1	2	400	200	2	2/6990	18,67
CRBSL 600x200	1	2	600	200	2	2/6991	20,72

For the assembly of the accessory, 6 BSL couplers of the corresponding height and 48 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

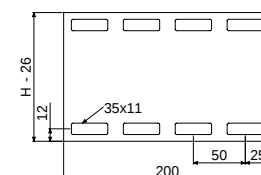


BSL JOINT PLATE



DESCRIPTION	UVM ud	UVE ud	H mm	e mm	GC	
					REF.	kg/ud
BSL JOINT PLATE H150	10	125	150	2	2/6445	0,37
BSL JOINT PLATE H200	10	125	200	2	2/6446	0,54

For the assembly of the joint plate, 8 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

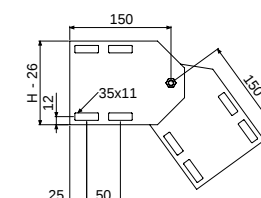


BSL ARTICULATED JOINT



DESCRIPTION	UVM ud	UVE ud	H mm	e mm	GC	
					REF.	kg/ud
BSL J/JOINT A H150	10	125	150	2	2/6447	0,62
BSL J/JOINT A H200	10	125	200	2	2/6448	0,91

For the assembly of the articulated joint, 8 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

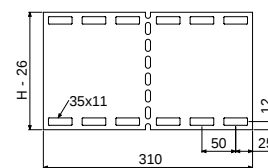


BSL ANGLE JOINT



DESCRIPTION	UVM ud	UVE ud	H mm	e mm	GC	
					REF.	kg/ud
BSL ANGLE JOINT B H150	10	125	150	2	2/6449	0,56
J/UNIÓN B BSL H200	10	125	200	2	2/6450	0,82

For the assembly of the angle joint, 8 bolts with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).



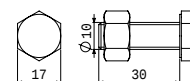
BOLT SET M10X30



DESCRIPTION	UVM ud	UVE ud	Pap Nm	CINCADO		I304	
				REF.	kg/ud	REF.	kg/ud
BOLT SET100 M10X30 D8.8	1	1	40	2/6319	3,80	2/6320	3,78

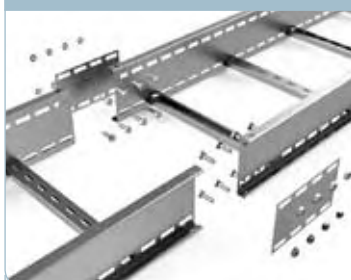
The bolt set consists of a M10x30 DIN933 and nut DIN934.

Used to mount all accessories BSL BASORTRAV.



BSL MOUNTS

JOINT PLATE



ANGLE JOINT



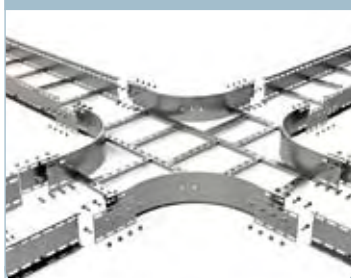
CP BSL



CC BSL



CRBSL



WALL SUPPORTS



1



2



3



4

CEILING SUPPORTS



5



6



7



8

1. SR with wall bracket
2. SPL
3. SHL
4. SHV
5. SIMPLE HEAD BRACKET + PC
6. SZ
7. SPD
8. IPN PROFILE
9. SV
10. IPN HEAD
11. SP

SCM

9



10



11



SUPPORTS

WALL AND CURVED WALL SUPPORTS.....Page 80

CEILING SUPPORTS Page 84

FLOOR SUPPORTS Page 89

ASSEMBLY OF SUPPORTS Page 92

BASORSUPPORT

GS / GC / CINCADE

SWL (kg) WALL AND CURVED WALL SUPPORTS

PRODUCT			B										Page	
			50	100	150	200	300	400	500	600	700	800		1000
SHO		LIGHT LOADS	-	85	75	100	70	-	-	-	-	-	-	81
SCR			70	70	70	70	70	70	70	60	60	-	-	81
SRB			-	60	60	60	60	60	60	60	60	-	-	81
SR (WALL BRACKET)		MEDIUM LOADS	-	-	-	-	120	110	100	80	-	-	-	82
SR (PC)			-	-	-	-	250	250	250	240	-	-	-	82
SPL			-	-	300	300	240	180	150	130	-	-	-	82
SHL			-	250	250	200	200	200	180	150	-	-	-	82
SP			-	-	350	350	290	250	220	200	-	-	-	82
SHR		GREAT LOADS	-	-	-	-	340	340	340	340	340	340	-	83
SPD			-	-	-	-	-	-	500	430	370	320	260	83
SHV			-	-	-	-	270	270	270	270	270	270	-	83

SHO SUPPORT



SHO Support

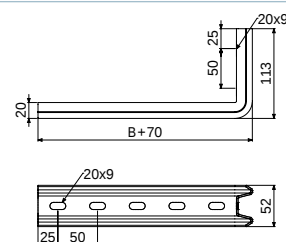


SHO Supporting piece

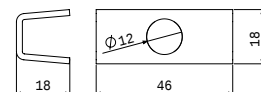
DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GS		GC	
					REF.	kg/ud	REF.	kg/ud
SHO 100 Support	1	10	100	85	2/0965	0,30	2/0970	0,33
SHO 150 Support	1	10	150	75	2/0966	0,36	2/0971	0,40
SHO 200 Support	1	10	200	100	2/0967	0,42	2/0972	0,45
SHO 300 Support	1	10	300	70	2/0968	0,54	2/0973	0,58
SHO Supporting piece	1	10	-	-	2/6240	-	2/6318	-

When an SHO support is used directly on the wall or with a pendant without an OMEGA profile, it's necessary to use piece 2/6240 in GS or 2/6318 in GC.

For more technical information, please consult page 211.



SHO Support



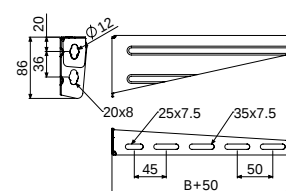
SHO Supporting piece

SCR SUPPORT

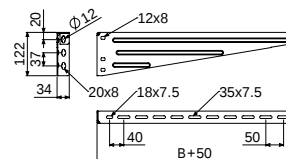


DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GS		GC	
					REF.	kg/ud	REF.	kg/ud
SCR 50 Support	1	100	50	70	2/0975	0,19	2/3450	0,20
SCR 100 Support	1	100	100	70	2/0976	0,24	2/0980	0,27
SCR 150 Support	1	80	150	70	2/0977	0,30	2/0981	0,33
SCR 200 Support	1	60	200	70	2/0978	0,38	2/0982	0,42
SCR 300 Support	1	10	300	70	2/0997	0,66	2/1002	0,68
SCR 400 Support	1	10	400	70	2/0998	0,83	2/1003	0,85
SCR 500 Support	1	10	500	70	2/0999	0,95	2/1004	1,03
SCR 600 Support	1	10	600	60	2/1000	1,11	2/1005	1,20
SCR 750 Support	1	5	750	60	2/3438	1,50	2/1006	1,81

For more technical information, please consult page 211.



SCR Support 50/100/200/300/400



SCR Support 500/600/750

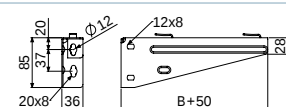
SRB SUPPORT



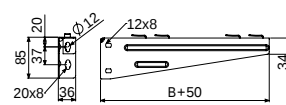
DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GS		GC	
					REF.	kg/ud	REF.	kg/ud
SRB 100 Support	1	1	100	60	2/6372	0,25	2/6379	0,27
SRB 150 Support	1	1	150	60	2/6373	0,26	2/6380	0,29
SRB 200 Support	1	1	200	60	2/6374	0,38	2/6381	0,42
SRB 300 Support	1	1	300	60	2/6375	0,66	2/6382	0,68
SRB 400 Support	1	1	400	60	2/6376	0,80	2/6383	0,85
SRB 500 Support	1	1	500	60	2/6377	1,01	2/6384	1,09
SRB 600 Support	1	1	600	60	2/6378	1,11	2/6385	1,20

No bolts are needed to fix the wire-mesh cable trays.

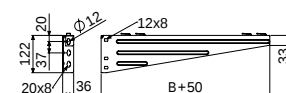
For more technical information, please consult page 211.



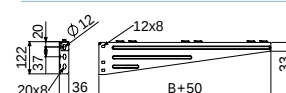
SRB Support 100/150/200



SRB Support 300/400



SRB Support 500



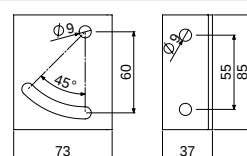
SRB Support 600

SIMPLE WALL BRACKET



DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
Simple wall bracket	1	100	2/6289	0,20	2/5881	0,20

Allows the assembly of models B500/600/750 of the SCR and SRB supports in curved walls and inclined planes.



SR SUPPORT

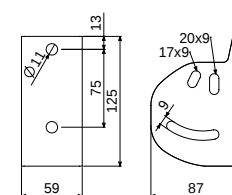


SR + Wall Bracket

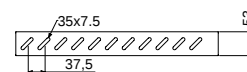
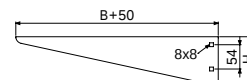


SR Wall Bracket

DESCRIPTION	UVM ud	UVE ud	B mm	H mm	Wall Bracket SWL (kg)	PC SWL (kg)	GS		GC	
							REF.	kg/ud	REF.	kg/ud
SR 300 Support	1	1	300	80	120	250	2/1028	0,78	2/1032	0,83
SR 400 Support	1	1	400	100	110	250	2/1029	1,14	2/1033	1,22
SR 500 Support	1	1	500	100	100	250	2/1030	1,38	2/1034	1,48
SR 600 Support	1	1	600	100	80	240	2/1031	1,71	2/1035	1,84
SR Wall Bracket	1	1	-	-	-	-	2/6827	0,33	2/6828	0,35
SR Bolt	1	1	-	-	-	-	2/6793	-	-	-



Wall Bracket SR



SR

It can be used in three ways. On walls with a PC profile, on ceilings with a PC profile and on curves with a wall bracket.

For assembly with wall bracket, 1 SR bolt with reference number 2/6793 and 2 B2 bolt set with reference 2/4926 in CINCADO or 2/6792 in GC are needed.

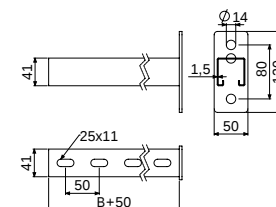
For assembly with PC profile, 4 B1 bolt sets with reference 2/4356 in GS or 2/6826 in GC are needed.

For more technical information, please consult page 211.

SPL SUPPORT



DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	CINCADO		GC	
					REF.	kg/ud	REF.	kg/ud
SPL 150 Support	1	1	150	300	2/6844	0,62	2/6836	0,69
SPL 200 Support	1	1	200	300	2/6845	0,64	2/6837	0,70
SPL 300 Support	1	1	300	240	2/6846	0,66	2/6838	0,72
SPL 400 Support	1	1	400	180	2/6847	0,93	2/6839	1,03
SPL 500 Support	1	1	500	150	2/6848	1,10	2/6840	1,21
SPL 600 Support	1	1	600	130	2/6849	1,40	2/6841	1,54

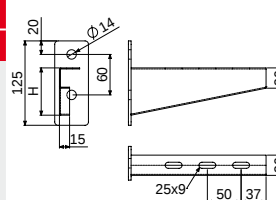


For more technical information, please consult page 211.

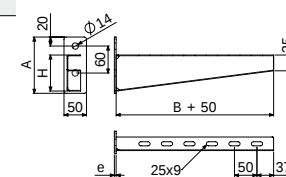
SHL SUPPORT



DESCRIPTION	UVM ud	UVE ud	H mm	A mm	B mm	SWL (kg)	CINCADO		GC	
							REF.	kg/ud	REF.	kg/ud
SHL 100 Support	1	1	70	125	100	250	2/6873	0,30	2/6866	0,33
SHL 150 Support	1	1	70	125	150	250	2/6874	0,35	2/6867	0,39
SHL 200 Support	1	1	80	125	200	200	2/6875	0,47	2/6868	0,51
SHL 300 Support	1	1	80	125	300	200	2/6876	0,64	2/6869	0,69
SHL 400 Support	1	1	90	160	400	200	2/6877	0,91	2/6870	0,98
SHL 500 Support	1	1	100	160	500	180	2/6878	1,08	2/6871	1,16
SHL 600 Support	1	1	110	160	600	150	2/6879	1,26	2/6872	1,35



SHL 100/150/200



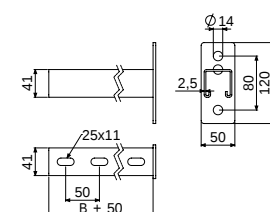
SHL 300/400/500/600

For more technical information, please consult page 211.

SP SUPPORT



DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	CINCADO		GC	
					REF.	kg/ud	REF.	kg/ud
SP 150 Support	1	1	150	350	2/6829	0,68	2/4939	0,71
SP 200 Support	1	1	200	350	2/6830	0,80	2/4733	0,84
SP 300 Support	1	1	300	290	2/6831	1,06	2/4734	1,11
SP 400 Support	1	1	400	250	2/6832	1,31	2/1036	1,38
SP 500 Support	1	1	500	220	2/6833	1,56	2/1037	1,64
SP 600 Support	1	1	600	200	2/6834	1,82	2/4938	1,91

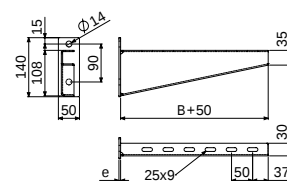


For more technical information, please consult page 211.

SHR SUPPORT



DESCRIPTION	UVM	UVE	B	e	SWL (kg)	GC	
	ud	ud	mm	mm		REF.	kg/ud
SHR 300 Support	1	1	300	4	340	2/5525	1,29
SHR 400 Support	1	1	400	4	340	2/1023	1,57
SHR 500 Support	1	1	500	4	340	2/1024	1,86
SHR 600 Support	1	1	600	5	340	2/1025	2,15
SHR 700 Support	1	1	700	5	340	2/1026	2,43
SHR 800 Support	1	1	800	5	340	2/1027	2,72

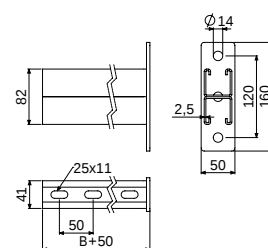


For more technical information, please consult page 211.

SPD SUPPORT



DESCRIPTION	UVM	UVE	B	SWL (kg)	GC	
	ud	ud	mm		REF.	kg/ud
SPD 500 Support	1	1	500	500	2/6272	3,18
SPD 600 Support	1	1	600	430	2/5621	3,71
SPD 700 Support	1	1	700	370	2/6273	4,24
SPD 800 Support	1	1	800	320	2/6274	4,77
SPD 1000 Support	1	1	1000	260	2/4641	5,84

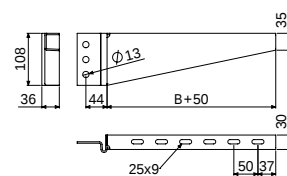


For more technical information, please consult page 211.

SHV SUPPORT



DESCRIPTION	UVM	UVE	B	SWL (kg)	GC	
	ud	ud	mm		REF.	kg/ud
SHV 200 Support	1	1	200	270	2/6058	0,99
SHV 300 Support	1	1	300	270	2/6271	1,28
SHV 400 Support	1	1	400	270	2/6259	1,58
SHV 500 Support	1	1	500	270	2/6057	1,88
SHV 600 Support	1	1	600	270	2/6275	2,17
SHV 700 Support	1	1	700	270	2/6276	2,47
SHV 800 Support	1	1	800	270	2/6277	2,77



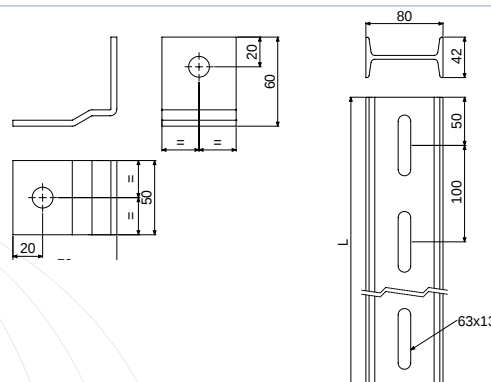
It is mounted with the IPN80 profile, 2 bolts M10x30 with reference 0/0512 in CINCADO or 0/0320 in I304 are needed (products packed in bags of 100).

For more technical information, please consult page 211.

IPN80 FLANGE WALL MOUNTING



DESCRIPTION	UVM	UVE	L	GC	
	ud	ud	mm	REF.	kg/ud
IPN80 wall fange	1	1	-	2/6342	0,19
IPN80 600 profile	1	1	600	2/6345	3,49
IPN80 1000 profile	1	1	1000	2/6346	5,81
IPN80 1300 profile	1	1	1300	2/6347	6,55
IPN80 1500 profile	1	1	1500	2/6348	7,55
IPN80 2000 profile	1	1	2000	2/6349	11,62
IPN80 3000 profile	1	1	3000	2/6350	17,43



For more technical information, please consult page 211.

SWL (kg) CEILING SUPPORTS

PRODUCT		B horizontal support or width tray										Page
		50	100	150	200	300	400	500	600	700	800	
SHOT		-	-	38	55	45	40	-	-	-	-	85
SHO 400		85	69	58	50	39	-	-	-	-	-	85
SVO + 2 VR8		-	-	270	220	200	160	130	110	-	-	85
PC + WALL BRACKET (SR)		144	127	113	102	85	73	64	57	-	-	86
PC+SIMPLE HEAD BRACKET(SCR)		150	120	100	86	67	55	46	40	-	-	86
SPL		304	254	218	192	154	128	110	96	-	-	87
SP		404	351	310	277	230	196	171	151	-	-	87
SZ		429	375	333	300	250	214	188	167	-	-	87
SPD		614	550	498	455	388	338	300	269	244	223	87
IPN80		-	-	-	638	557	494	444	404	370	341	88

SHO SUPPORT



SHO

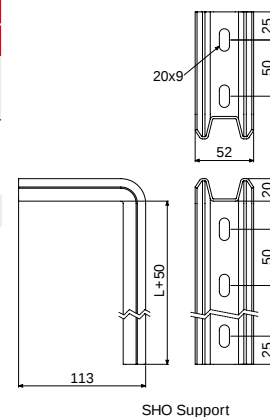


SHO ing piece

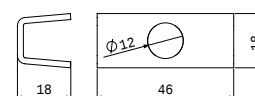
DESCRIPTION	UVM ud	UVE ud	L mm	Fmax kg	Mmax kg-m	Cd mm/kg-m	GS		GC	
							REF.	kg/ud	REF.	kg/ud
SHO 400 Support	1	10	400	147	6,8	1,91	2/0969	0,66	2/0974	0,71
SHO Supporting piece	1	10	-	-	-	-	2/6240	0,03	2/6318	0,03

To mount SHO support a supporting piece is necessary. SHO support is mounted with horizontal support SHO (2 B2 bolt set with reference 2/4926 in CINCADO or 2/6792 in GC are needed)

For more technical information, please consult page 211.



SHO Support



SHO Supporting piece

SHOT SUPPORT



SHOT

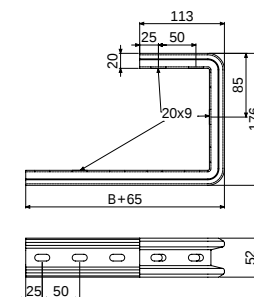


SHOT ing piece

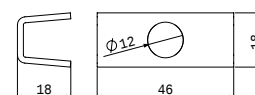
DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GS		GC	
					REF.	kg/ud	REF.	kg/ud
SHOT 100 Support	1	4	100	38	2/1091	0,48	2/1095	0,52
SHOT 150 Support	1	4	150	55	2/1092	0,52	2/1096	0,55
SHOT 200 Support	1	4	200	45	2/1093	0,58	2/1097	0,62
SHOT 300 Support	1	4	300	40	2/1094	0,70	2/1098	0,75
SHOT Supporting piece	1	10	-	-	2/6240	0,03	2/6318	0,04

To mount on ceiling, a supporting piece with reference 2/6240 in GS or 2/6318 in GC is necessary.

For more technical information, please consult page 211.



SHOT Support



Pieza SHO Support

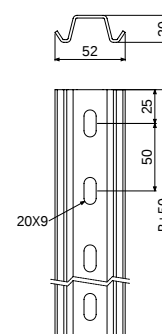
SVO SUPPORT



DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GS		GC	
					REF.	kg/ud	REF.	kg/ud
SVO 150 Support	1	4	150	270	2/3630	0,24	2/6280	0,26
SVO 200 Support	1	4	200	220	2/1073	0,30	2/1078	0,33
SVO 250 Support	1	4	250	240	2/1074	0,36	2/1079	0,39
SVO 300 Support	1	4	300	200	2/1075	0,42	2/1080	0,93
SVO 350 Support	1	4	350	180	2/1076	0,48	2/1081	0,52
SVO 400 Support	1	4	400	160	2/3629	0,54	2/5719	0,58
SVO 500 Support	1	4	500	130	2/1077	0,66	2/1082	0,72
SVO 600 Support	1	4	600	110	2/5941	0,78	2/5720	0,84

To mount the SVO support to ceiling, 2 VR-8 reference 2/3397 and 4 nuts reference 0/0338 are needed (product packed in bags of 100).

For more technical information, please consult page 211.



PC + Wall Bracket



PC Profile



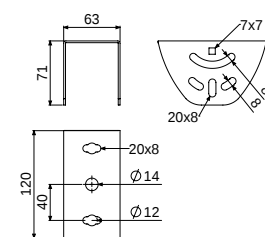
Wall Bracket

DESCRIPTION	UVM m/ud	UVE m/ud	Fmax kg	Mmax kg-m	GS		GC	
					REF.	kg/m	REF.	kg/m
PC Profile	3	18	193	19	2/0228	1,71	2/0229	1,84
Wall Bracket	1	40	-	-	2/1116	0,28	2/1117	0,30

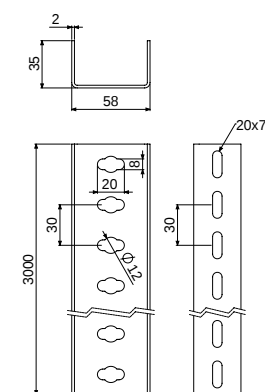
For the assembly with wall bracket, 4 B1 bolt sets reference 2/4356 in GS or 2/6826 in GC are needed (product packed in bags of 100).

Two types of mounting. Mounts on the open side with SR support, and on lateral side with SRB-SCR supports.

For more technical information, please consult page 211.



Wall Bracket



PC Profile

PC + Simple Head Bracket



PC Profile



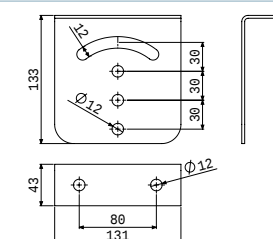
Simple Wall Bracket

DESCRIPTION	UVM m/ud	UVE m/ud	Fmax kg	Mmax kg-m	GS		GC	
					REF.	kg/m	REF.	kg/m
PC Profile	3	18	250	13	2/0228	1,71	2/0229	1,84
Simple Wall Bracket	1	40	-	-	2/6786	0,55	2/6787	0,57

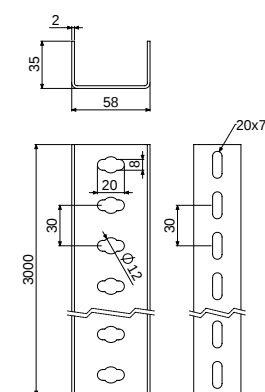
For the assembly, 2 M10 bolt sets with reference number 2/6319 in cincado or 2/6320 in I304 are needed (products packed in bags containing 100 units).

Mounted on lateral side with SRB and SCR supports.

For more technical information, please consult page 211.



Simple Wall Bracket



PC Profile

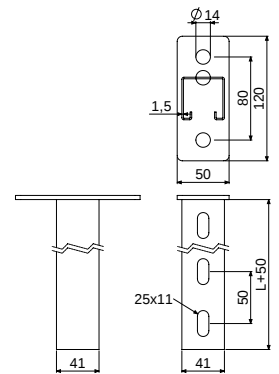
SPL SUPPORT



DESCRIPTION	UVM ud	UVE ud	L mm	Fmax kg	Mmax kg-m	Cd mm/kg-m	CINCADO		GC	
							REF.	kg/ud	REF.	kg/ud
SPL 300 Support	1	1	300	442	31,4	0,192	2/6846	0,66	2/6838	0,72
SPL 400 Support	1	1	400	442	31,4	0,223	2/6847	1,02	2/6839	1,12
SPL 500 Support	1	1	500	442	31,4	0,287	2/6848	1,00	2/6840	1,10
SPL 600 Support	1	1	600	442	31,4	0,351	2/6849	1,40	2/6841	1,54
SPL 700 Support	1	1	700	442	31,4	0,415	2/6850	1,55	2/6842	1,71
SPL 800 Support	1	1	800	442	31,4	0,479	2/6851	1,64	1805427	1,80

Mounted on open side with supports: SRB, SCR, SPL, SHL, SP. Mounted on drilled side with supports: SRB, SCR, SHL.

For more technical information, please consult page 211.



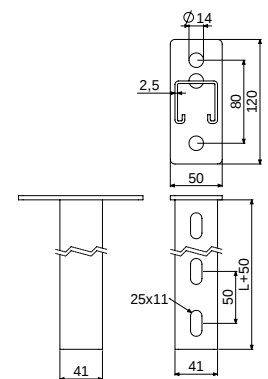
SP SUPPORT



DESCRIPTION	UVM ud	UVE ud	L mm	Fmax kg	Mmax kg-m	Cd mm/kg-m	CINCADO		GC	
							REF.	kg/ud	REF.	kg/ud
SP 300 Support	1	1	300	534	49,2	0,142	2/6831	1,06	2/4734	1,11
SP 400 Support	1	1	400	534	49,2	0,203	2/6832	1,31	2/1036	1,38
SP 500 Support	1	1	500	534	49,2	0,265	2/6833	1,56	2/1037	1,64
SP 600 Support	1	1	600	534	49,2	0,326	2/6834	1,82	2/4938	1,91
SP 800 Support	1	1	800	534	49,2	0,509	2/6835	2,32	2/1038	2,44

Mounted on open side with supports: SRB, SCR, SPL, SHL, SP. Mounted on drilled side with supports: SRB, SCR, SHL.

For more technical information, please consult page 211.



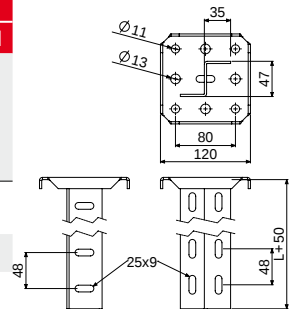
SZ SUPPORT



DESCRIPTION	UVM ud	UVE ud	L mm	Fmax kg	Mmax kg-m	Cd mm/kg-m	CINCADO		GC	
							REF.	kg/ud	REF.	kg/ud
SZ 300 Support	1	1	300	556	54,1	0,224	2/6764	1,21	2/1069	1,22
SZ 400 Support	1	1	400	556	54,1	0,259	2/6765	1,45	2/1070	1,45
SZ 500 Support	1	1	500	556	54,1	0,345	2/6766	1,68	2/1071	1,69
SZ 600 Support	1	1	600	556	54,1	0,483	2/6767	1,95	2/1072	1,95

Mounted with supports: SRB, SCR, SPL, SHL.

For more technical information, please consult page 211.



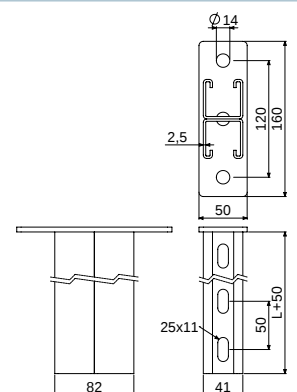
SPD SUPPORT



DESCRIPTION	UVM ud	UVE ud	L mm	Fmax kg	Mmax kg-m	Cd mm/kg-m	GC	
							REF.	kg/ud
SPD 500 Support	1	1	500	755	95	0,147	2/6272	3,18
SPD 600 Support	1	1	600	755	95	0,179	2/5621	3,71
SPD 700 Support	1	1	700	755	95	0,211	2/6273	4,24
SPD 800 Support	1	1	800	755	95	0,263	2/6274	4,77
SPD 1000 Support	1	1	1000	755	95	0,316	2/4641	5,84

Mounted with supports: SCB, SRB, SPL, SP, SPD, SHR.

For more technical information, please consult page 211.



IPN80 SUPPORT



IPN80 Profile



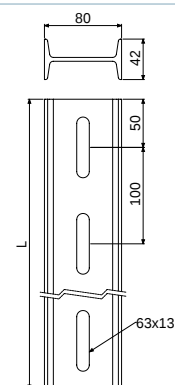
IPN80 Head

DESCRIPTION	UVM	UVE	L	Fmax	Mmax	Cd	GC	
	ud	ud	mm	kg	kg-m	mm/kg-m	REF.	kg/ud
IPN80 600 Profile	1	1	600	955	145	0,069	2/6345	3,49
IPN80 1000 Profile	1	1	1000	955	145	0,092	2/6346	5,81
IPN80 1300 Profile	1	1	1300	955	145	0,117	2/6347	7,55
IPN80 1500 Profile	1	1	1500	955	145	0,138	2/6348	7,55
IPN80 2000 Profile	1	1	2000	955	145	0,172	2/6349	11,62
IPN80 3000 Profile	1	1	3000	955	145	0,275	2/6350	17,43
IPN80 Head	1	1	-	-	-	-	2/6056	1,77

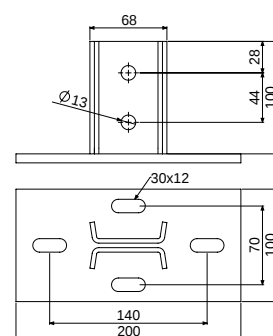
To join to the head support 2 M10x30 reference 2/6320 in I304 are needed (products packed in bags containing 100).

Mounted with SHV support.

For more technical information, please consult page 211.



IPN80 Profile



IPN80 Head

SWL (kg) FLOOR SUPPORTS

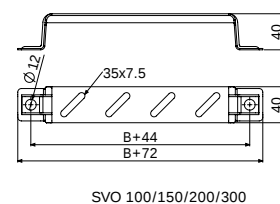
PRODUCT		B soporte horizontal ó ancho de la bandeja									Page		
		100	150	200	300	400	500	600	700	800			
SV		WALL-FLOOR SPACER	120	120	110	90	220	150	180	-	-	90	
SP			MODULAR	351	310	277	230	196	171	151	-	-	90
SZ				375	333	300	250	214	188	167	-	-	90
SPD				550	498	455	388	338	300	269	244	223	91
IPN+HEAD		CEILING FLOOR	-	-	638	557	494	444	404	370	341	91	

SV SUPPORTS

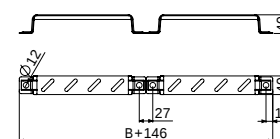


DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GS		GC	
					REF.	kg/ud	REF.	kg/ud
SV 100 Support	1	50	100	120	2/1046	0,09	2/1050	0,10
SV 150 Support	1	40	150	120	2/1047	0,12	2/1051	0,13
SV 200 Support	1	42	200	110	2/1048	0,17	2/1052	0,19
SV 300 Support	1	60	300	90	2/1049	0,23	2/1053	0,25
SV 400 Support	1	20	400	220	2/3413	0,45	2/3418	0,48
SV 500 Support	1	20	500	150	2/3414	0,52	2/3419	0,56
SV 600 Support	1	20	600	180	2/3415	0,59	2/3420	0,64

For more technical information, please consult page 211.



SVO 100/150/200/300



SVO 400/500/600

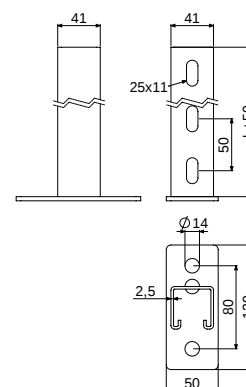
SP SUPPORT



DESCRIPTION	UVM ud	UVE ud	L mm	Fmax kg	Mmax kg-m	Cd mm/kg-m	CINCADO		GC	
							REF.	kg/ud	REF.	kg/ud
SP 300 Support	1	1	300	534	49,2	0,142	2/6831	1,06	2/4734	1,11
SP 400 Support	1	1	400	534	49,2	0,203	2/6832	1,31	2/1036	1,38
SP 500 Support	1	1	500	534	49,2	0,265	2/6833	1,56	2/1037	1,64
SP 600 Support	1	1	600	534	49,2	0,326	2/6834	1,82	2/4938	1,91
SP 800 Support	1	1	800	534	49,2	0,509	2/6835	2,32	2/1038	2,44

Mounted on the open face with supports: SRB, SCR, SPL, SHL, SP. Mounts on the drilled face with supports: SRB, SCR, SHL.

For more technical information, please consult page 211.



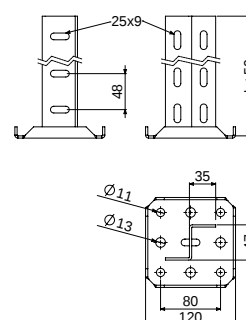
SZ SUPPORT



DESCRIPTION	UVM ud	UVE ud	L mm	Fmax kg	Mmax kg-m	Cd mm/kg-m	CINCADO		GC	
							REF.	kg/ud	REF.	kg/ud
SZ 300 Support	1	1	300	556	54,1	0,224	2/6764	1,21	2/1069	1,22
SZ 400 Support	1	1	400	556	54,1	0,259	2/6765	1,45	2/1070	1,45
SZ 500 Support	1	1	500	556	54,1	0,345	2/6766	1,68	2/1071	1,69
SZ 600 Support	1	1	600	556	54,1	0,483	2/6767	1,95	2/1072	1,95

Mounted with supports: SRB, SCR, SPL, SHL.

For more technical information, please consult page 211.



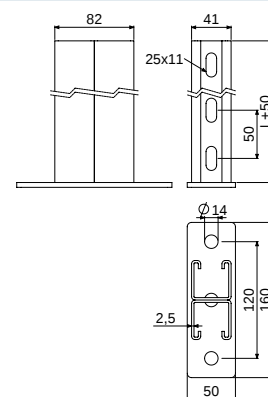
SPD SUPPORT



DESCRIPTION	UVM ud	UVE ud	L mm	Fmax kg	Mmax kg-m	Cd mm/kg-m	GC	
							REF.	kg/ud
SPD 500 Support	1	1	500	755	95	0,147	2/6272	3,18
SPD 600 Support	1	1	600	755	95	0,179	2/5621	3,71
SPD 700 Support	1	1	700	755	95	0,211	2/6273	4,24
SPD 800 Support	1	1	800	755	95	0,263	2/6274	4,77
SPD 1000 Support	1	1	1000	755	95	0,316	2/4641	5,84

Mounted with supports: SCR, SRB, SPL, SHL, SP, SPD.

For more technical information, please consult page 211.



IPN80 SUPPORT



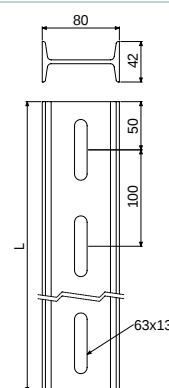
IPN80 Profile

DESCRIPTION	UVM ud	UVE ud	L mm	Fmax kg	Mmax kg-m	Cd mm/kg-m	GC	
							REF.	kg/ud
IPN80 600 Profile	1	1	600	955	145	0,069	2/6345	3,49
IPN80 1000 Profile	1	1	1000	955	145	0,092	2/6346	5,81
IPN80 1300 Profile	1	1	1300	955	145	0,117	2/6347	6,55
IPN80 1500 Profile	1	1	1500	955	145	0,138	2/6348	7,55
IPN80 2000 Profile	1	1	2000	955	145	0,172	2/6349	11,62
IPN80 3000 Profile	1	1	3000	955	145	0,275	2/6350	17,43
IPN80 Head	1	1	-	-	-	-	2/6056	1,77

For the assembly to the head support 2 M10x30 with reference 2/6320 in I304 are needed (products packed in bags containing 100).

Mounted with SHV support.

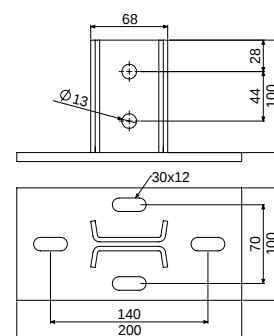
For more technical information, please consult page 211.



IPN80 Profile



IPN80 Head



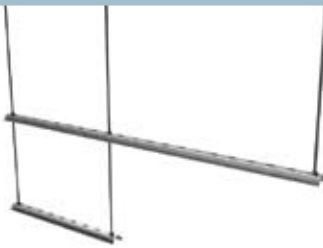
IPN80 Head

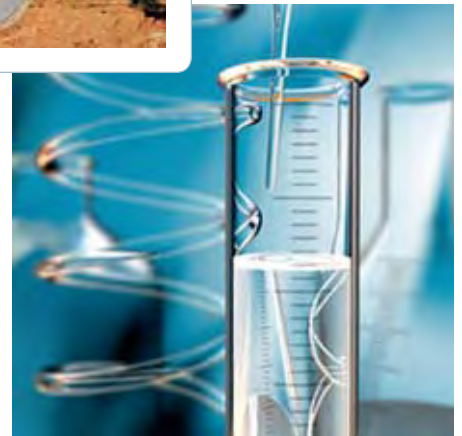
MOUNTS

SH0400+SH0200+2B2	SPL+SCR	SPL+SCR	SIMPLE HEAD BRACKET + PC + SCR
			
B2 bolt set page 65	PVC CAP page 160	Twirl stud nut page 161 PVC CAP page 160	

Wall Bracket+PC+SR	SP+SPL+TM-10	SPD+SHR+TM-10	HEAD SUPPORT + IPN80 + SHV
			
	Spring nut page 160 PVC cap page 160	Spring nut page 160 PVC cap page 160	

2BEAM-PROFILE CLAMPS + 41X21 + SPD + 2SHR	SZ+2SCR	SR + PC ON WALL	FLANGE WALL + IPN80 + SHV
			
Beam-profile clamp page 165 41x21 profile page 154 Spring nut page 160			IPN80 flange wall mounting page 83

2SV0 + 3VR8 + NUTS	2SP+41x41x2,5+4182 C+TM-8	SPD+4SCR+TM-10	HEAD + IPN80 + SHR
			
Threaded rod page 166 DIN 6923 nuts page 166	41x41 profile page 154 41/82C piece page 158 PVC cap page 160	Spring nut page 160	
SPD + 3 41x41 + 4182D + TM-10	SPD + HEAD + 4SHR + TM-10	2 HEAD + IPN80 + 4SHV	2 PC + 3 WALL BRACKET + 2SR
			
41x41 profile page 154 41/82D piece page 158 Spring nut page 160	Head 8241 page 156 Spring nut page 160		



SCM



BASORTRAY I304

ERE Cable Trays	Page 96
ERE Accessories	Page 97

BASORFIL I304

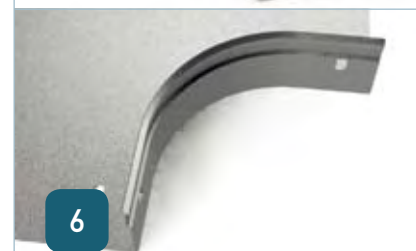
BFR Wire-mesh cable trays	Page 100
Union elements	Page 102
Accessories	Page 103
BFR Assemblies	Page 105

BASORSUPPORT I304

Supports	Page 106
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- Standard I304 steel products are the most basic solutions for situations in which the environment is corrosive, such as wine cellars, food factories, facilities located near the sea, sewage water treating plants, petrochemical factories, etc.

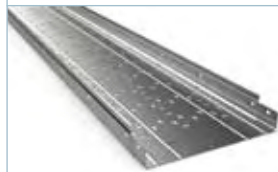
I304



- 1 Longitudinal reinforcements to improve resistance to flexure.
- 2 Security edge to avoid accidents.
- 3 SELF-ASSEMBLY coupler system between the cable trays.
 - No couplers needed
 - Easier to install
 - Less time required for installation
 - Union with higher degree of rigidity
- 4 Corners finished at 45° to improve behaviour to flexure.
- 5 Pressure-fixed covers. No accessories required.
- 6 Accessories with circular insides to avoid damaging the cables.

B(mm)	USEFUL AREA (cm ²)
	H60
100	58
150	88
200	118
300	178

ERE P H60 I304



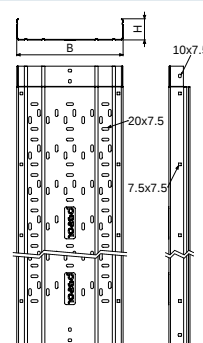
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=2 SWL (kg/m)	I304	
						REF.	kg/m
B/P ERE 100X60	3	24	100	60	70	2/4795	1,25
B/P ERE 150X60	3	18	150	60	70	2/4319	1,53
B/P ERE 200X60	3	12	200	60	70	2/4688	1,80
B/P ERE 300X60	3	12	300	60	70	2/4317	2,69

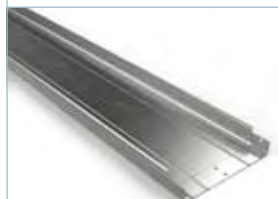
For the assembly of the cable trays, no couplers are needed. Each stretch requires 4 bolts with reference number 2/4925 in I304 (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H60 couplers with reference number 2/3233 in I304 are needed.

For more technical information, please consult page 211.



ERE C H60 I304



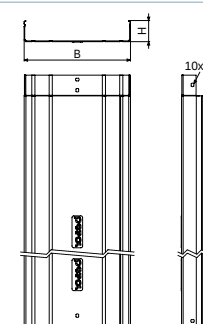
L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=2 SWL (kg/m)	I304	
						REF.	kg/m
B/C ERE 100X60	3	24	100	60	70	2/4907	1,46
B/C ERE 150X60	3	18	150	60	70	2/5028	1,79
B/C ERE 200X60	3	12	200	60	70	2/5029	2,10
B/C ERE 300X60	3	12	300	60	70	2/4306	3,64

For the assembly of the cable trays, no couplers are needed. Each stretch requires 4 bolts with reference number 2/4925 in I304 (products packed in bags containing 100 units).

Should the union between the parts when cut be done at the workplace, JUER H60 couplers with reference number 2/3233 in I304 are needed.

For more technical information, please consult page 211.



ERE COVER I304

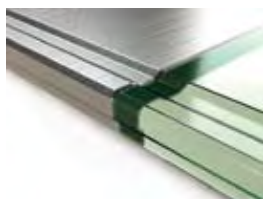
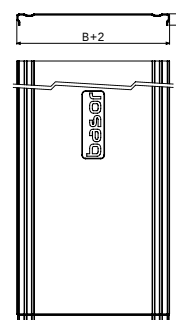


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	I304	
				REF.	kg/m
COVER ERE 100	3	3	100	2/4560	0,55
COVER ERE 150	3	3	150	2/5123	0,76
COVER ERE 200	3	3	200	2/4561	0,98
COVER ERE 300	3	3	300	2/4716	1,55

For the assembly of the cover, no accessories are needed. It's fixed by applying pressure.

The cover can be self-assembled in order to improve its degree of protection (IP rating).



ERE HORIZONTAL BEND I304

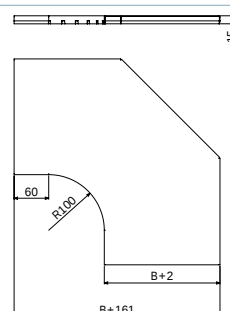


DESCRIPTION	UVM ud	UVE ud	B mm	H mm	I304	
					REF.	kg/ud
CPERC 100x60	1	1	100	60	2/4777	0,70
CPERC 150x60	1	1	150	60	2/5317	0,88
CPERC 200x60	1	1	200	60	2/4778	1,14
CPERC 300x60	1	1	300	60	2/6180	1,77

The horizontal bend can be assembled both from the cable trays self-assembly side and from the non-self-assembly part.

Should it be assembled from the non-self-assembly part, it shall be necessary to use two JUER H60 I304 couplers with reference number 2/3233.

In both cases, each bend requires the use of 4 bolts with reference number 2/4925 in I304 (products packed in bags containing 100 units).

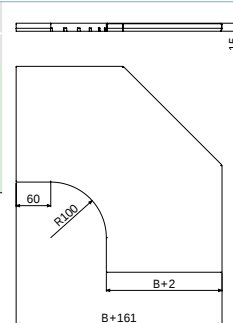


ERE HORIZONTAL BEND COVER I304



DESCRIPTION	UVM ud	UVE ud	B mm	I304	
				REF.	kg/ud
COVER CPERC 100	1	1	100	2/3560	0,27
COVER CPERC 150	1	1	150	2/3561	0,41
COVER CPERC 200	1	1	200	2/3562	0,57
COVER CPERC 300	1	1	300	2/3563	0,97

No accessories required for mounting. Pressure-fixed covers.

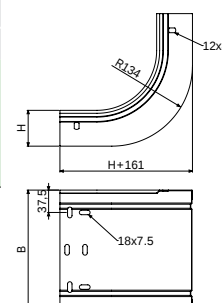


ERE VERTICAL INSIDE I304



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	I304	
					REF.	kg/ud
CCERC 100x60	1	1	100	60	2/4908	0,50
CCERC 150x60	1	1	150	60	2/5157	0,62
CCERC 200x60	1	1	200	60	2/5024	0,74
CCERC 300x60	1	1	300	60	2/6503	0,98

The vertical inside can be mounted either from the plug part or from the non-plug part. If mounted from the non-plug part is necessary to use two joints JUER H60 with reference 2/3233. In both cases, it requires the use of 4 bolts reference number 2/4925 in I304 (products packed in bags of 100).

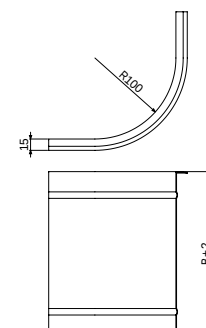


ERE VERTICAL INSIDE COVER I304



DESCRIPTION	UVM ud	UVE ud	B mm	I304	
				REF.	kg/ud
COVER CCERC 100	1	1	100	2/3263	0,23
COVER CCERC 150	1	1	150	2/3264	0,32
COVER CCERC 200	1	1	200	2/3265	0,41
COVER CCERC 300	1	1	300	2/3266	0,58

No accessories required for mounting. Pressure-fixed covers.

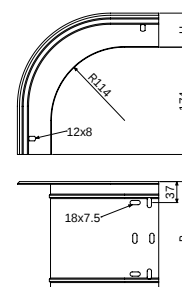


ERE VERTICAL OUTSIDE I304



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	I304	
					REF.	kg/ud
CXERC 100X60	1	1	100	60	2/4909	0,45
CXERC 150X60	1	1	150	60	2/5158	0,54
CXERC 200X60	1	1	200	60	2/5025	0,64
CXERC 300X60	1	1	300	60	2/6817	0,82

The vertical outside can be mounted either from the plug part or from the non-plug part. If mounted from the non-plug part is necessary to use two joints JUER H60 with reference 2/3233. In both cases, it requires the use of 4 bolts reference number 2/4925 in I304 (products packed in bags of 100).

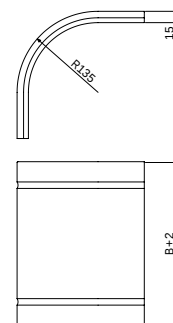


ERE VERTICAL OUTSIDE COVER I304



DESCRIPTION	UVM ud	UVE ud	B mm	I304	
				REF.	kg/ud
COVER CXERC 100X60	1	1	100	2/3565	0,34
COVER CXERC 150X60	1	1	150	2/3249	0,46
COVER CXERC 200X60	1	1	200	2/3253	0,59
COVER CXERC 300X60	1	1	300	2/3250	0,84

No accessories required for mounting. Pressure-fixed covers.

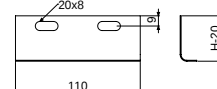


JUER H60 JOINT PLATE I304



DESCRIPTION	UVM ud	UVE ud	H mm	I304	
				REF.	kg/ud
JUER H60	1	60	60	2/3233	0,03

Two bolts are required to fix joint plate reference number 2/4925 in I304 (products packed in bags of 100).

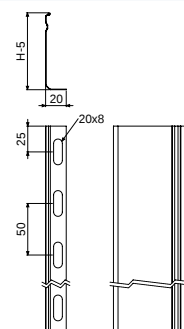


DIVIDER PROFILE PS H60 I304



DESCRIPTION	UVM m	UVE m	H mm	I304	
				REF.	kg/m
PS H60	3	30	60	2/3645	0,34

One bolt is required to fix divider profile every 500mm reference number 2/4925 in I304 (products packed in bags of 100).

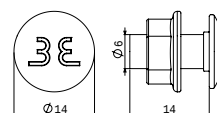


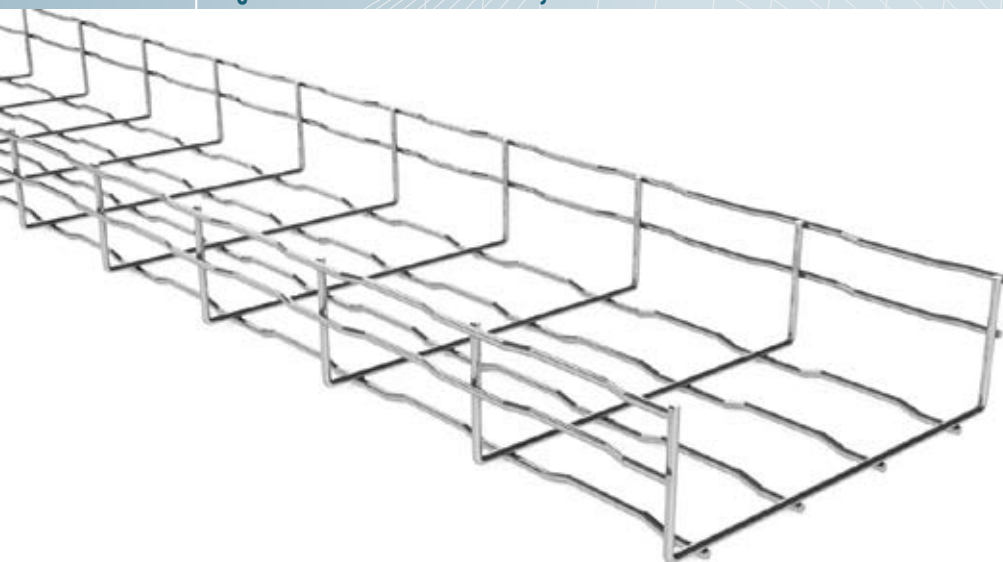
B1 BOLT SET I304



DESCRIPTION	UVM ud	UVE ud	I304	
			REF.	kg/ud
100 B1 BOLT SET M6X14	1	1	2/4925	1,00

The B1 bolt set consists of a M6x14 DIN603 mushroom head square neck bolt and a M6 DIN6923 flange nut with serration for a perfect fit.





- 1 Optimal solution for systems which don't have high load needs.
- 2 Maximum ventilation and cleaning of the cables.
- 3 Innovative design patented by BASOR which offers:
 - Greater save working load
 - Excellent aesthetic finish
- 4 Quicker and easier assembly
 - With simple manipulation based on the way in which the rods are cut, the tray can be easily moulded even with complicated changes in direction.
 - The cuts have to be performed with asymmetrical-cut wire cutters.
 - The cut has to be performed as near to the intersection of the steel wires as possible, in order to obtain a clean cut and a good assembly.



B(mm)	USEFUL AREA (cm ²)		
	H60	H65	H105
60	-	23	-
100	27	47	-
150	42	75	-
200	58	102	193
300	89	157	297
400	-	212	401
500	-	267	505
600	-	322	609

BFR H35 I304

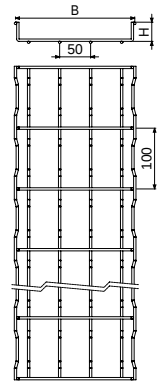


L = 3 m

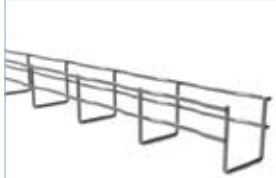
DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	I304	
						REF.	kg/m
BASORFIL BFR 100X35	3	24	100	35	25	2/0303	0,66
BASORFIL BFR 150X35	3	24	150	35	25	2/0304	0,72
BASORFIL BFR 200X35	3	24	200	35	25	2/0305	1,02
BASORFIL BFR 300X35	3	18	300	35	25	2/0306	1,39

To assemble the cable trays, it is necessary to use a bolt-staple set for each of the cable tray's side, with reference number 2/4915 in I304.

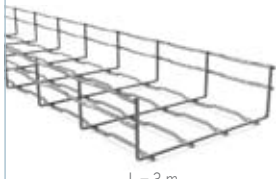
For more technical information, please consult page 211.



BFR H65 I304



L = 3 m

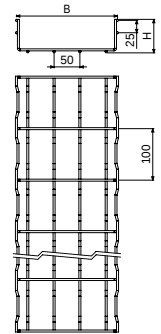


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	I304	
						REF.	kg/m
BASORFIL BFR 60X65	3	36	60	65	32	2/0307	0,66
BASORFIL BFR 100X65	3	24	100	65	57	2/0308	0,96
BASORFIL BFR 150X65	3	18	150	65	57	2/0309	1,02
BASORFIL BFR 200X65	3	18	200	65	57	2/0310	1,32
BASORFIL BFR 300X65	3	18	300	65	57	2/0311	1,69
BASORFIL BFR 400X65	3	18	400	65	57	2/0312	2,05
BASORFIL BFR 500X65	3	18	500	65	65	2/0313	2,41
BASORFIL BFR 600X65	3	18	600	65	65	2/0314	2,77

To assemble cable trays with a width which is lower or equal to 200 mm, it's necessary to use a bolt-staple set for each of the cable tray's side, with reference number 2/4915 in I304. For wider cable trays, an additional bolt-staple set shall be used as a central union joint too.

For more technical information, please consult page 211.



BFR H105 I304

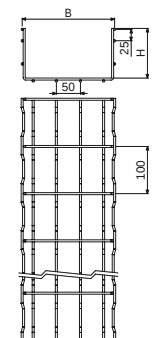


L = 3 m

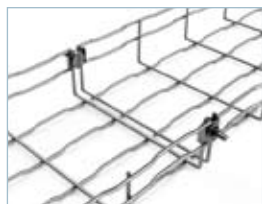
DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	I304	
						REF.	kg/m
BASORFIL BFR 200X105 I304	3	12	200	105	76	2/0315	1,69
BASORFIL BFR 300X105 I304	3	12	300	105	76	2/0316	2,05
BASORFIL BFR 400X105 I304	3	12	400	105	83	2/0317	2,41
BASORFIL BFR 500X105 I304	3	12	500	105	83	2/0318	2,77
BASORFIL BFR 600X105 I304	3	12	600	105	83	2/0319	3,14

To assemble cable trays with a width which is lower or equal to 200 mm, it's necessary to use a bolt-staple set for each of the cable tray's side, with reference number 2/4915 in I304. For wider cable trays, an additional bolt-staple set shall be used as a central union joint too.

For more technical information, please consult page 211.



BOLT-STAPLE SET I304



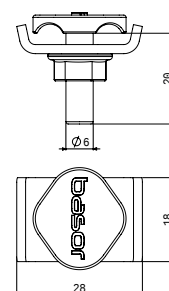
DESCRIPTION

BF Bolt-Staple Set

It consists of a BF-bolt set and a BF-staple.

It can be used as a fastener in all BASORFIL tray series.

UVM	UVE	I304	
ud	ud	REF.	kg/ud
100	100	2/4915	0,023



LATERAL UNION SET ULA I304



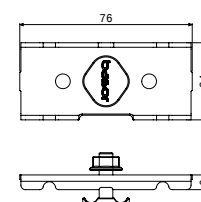
DESCRIPTION

Lateral Union Set ULA 65/105

It consists of a BF-bol set and a lateral union.

It can be used as a fastener with the BFH65 and BFH105 series. Of all the fasteners, this holds the tray the most rigid.

UVM	UVE	I304	
ud	ud	REF.	kg/ud
100	100	2/4921	0,055



BF BOLT-NUT SET I304



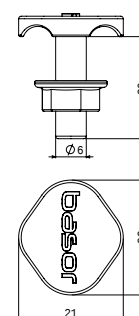
DESCRIPTION

BF Bolt-Nut Set

It consists of a BF-bolt and a serrated nut DIN6923. The BF-bolt is specifically designed for BASOR to form a perfect fit between the wire trays.

P | PATENTED
9602521

UVM	UVE	I304	
ud	ud	REF.	kg/ud
100	100	2/4923	0,015

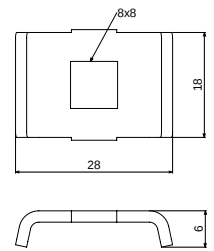


BASORFIL STAPLE I304


DESCRIPTION
BF Staple

UVM ud	UVE ud	I304	
		REF.	kg/ud
100	1500	2/0340	0,008

Its used to mount the profile divider.



SSC CENTRAL SUSPENSION I304

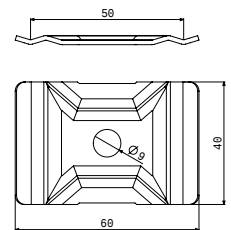

DESCRIPTION
SSC

UVM ud	UVE ud	I304	
		REF.	kg/ud
10	400	2/0373	0,027

The SSC allows fix the tray to the ceiling with a electrogalvanised M8 threaded rod reference number 2/3397.

At each point of attachment takes two SSC (upper and lower), a rod and two nuts M8 DIN6923, reference 0/0338 in CINCADO and 0/0927 in GC (both products packed in bags of 100).

Also can be used as a fastener between wire mesh and any support with a B1 bolt set reference 2/4925 in I304.

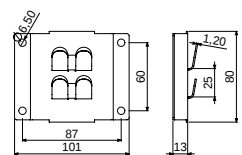


SL I304


DESCRIPTION
SL Support

UVM ud	UVE ud	I304	
		REF.	kg/ud
10	100	2/0375	0,13

Allows attachment to wall BASORFIL trays. Used with models 60x65 and 100x65.

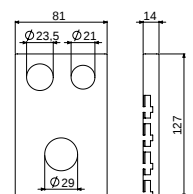


STB I304


DESCRIPTION
STB

UVM ud	UVE ud	I304	
		REF.	kg/ud
1	1	2/0376	0,14

Allows the fixation of conduits to the cables outlet. You can see section cable management systems insulation conduit.

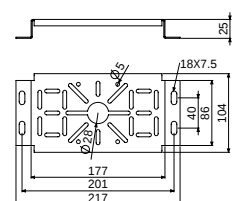


UNIVERSAL SUPPORT BOX I304


DESCRIPTION
Universal Support Box

UVM ud	UVE ud	I304	
		REF.	kg/ud
1	1	2/0378	0,273

Designed to allow the fixing of boxes to BASORFIL trays series.



MINI UNIVERSAL SUPPORT BOX I304



DESCRIPTION

Mini Universal Support Box

UVM

ud

UVE

ud

I304

REF.

kg/ud

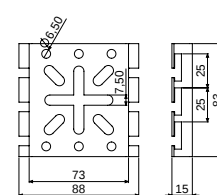
1

1

2/0379

0,08

Designed to allow the fixing of boxes to BASORFIL trays series.



SIMPLE SL I304



DESCRIPTION

SL Simple

UVM

ud

UVE

ud

I304

REF.

kg/ud

1

1

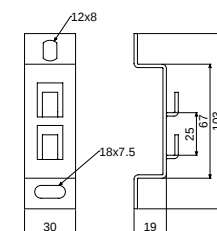
2/0380

0,05

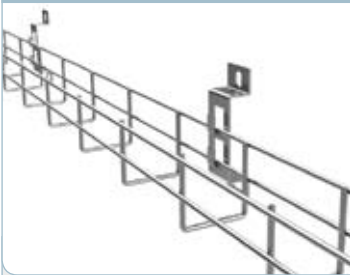
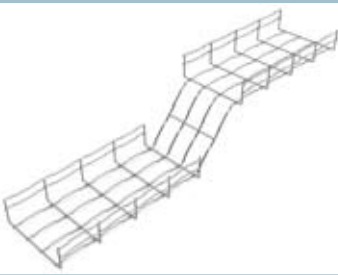
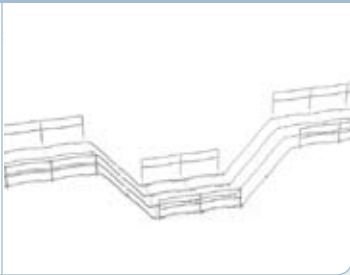
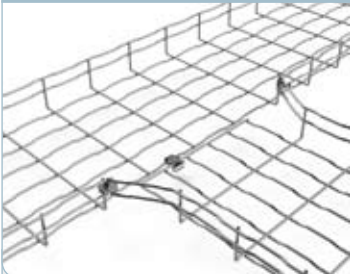
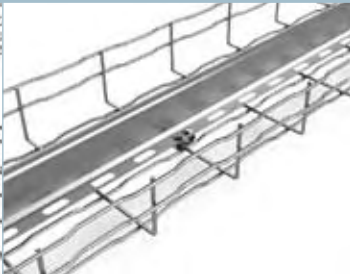
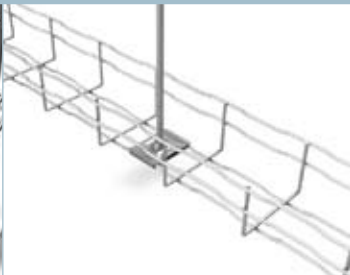
This piece allows to fix the BASORFIL trays to wall or ceiling, in this case with threaded rod.

For wall mounting is used with a 60x65 and 100x65 models only.

When mounted with threaded rod is necessary to take both sides of the tray. In this case the maximum width of tray is 200, being valid the heights 65 and 105 only.



MONTAJES BASORFIL I304

SIMPLE SL	VERTICAL INSIDE	LEVEL CHANGE	VERTICAL OUTSIDE+INSIDE
			
	To reinforce the accessorie can be used pieces of multijunction with basorfil bolts	To reinforce the accessorie can be used pieces of multijunction with basorfil bolts	To reinforce the accessorie can be used pieces of multijunction with basorfil bolts
T INTERSECTION	BFR+PS+B1+BF STAPLE	BFR+SCR+BF BOLT	BFR+2SL+2VR8+NUTS
			
	B1 bolt set - page 99	SCR - page 107	Threaded rod VR8 - page 166 M8 Nut DIN6923 - page 166
BFR+SVO+VR8+SSC+B1	SSC CENTRAL SUSPENSION	SL	MINI UNIVERSAL SUPPORT BOX
			
SVO - page 107 Threaded rod VR8 and nut- page 166 B1 bolt set - page 99	Threaded rod VR8 and nut- page 166		

SWL (kg) WALL SUPPORTS

PRODUCT		B (mm) horizontal support									Página
		50	100	150	200	300	400	500	600	750	
SCR		75	75	75	75	65	65	65	55	65	107

SWL (kg) WALL-FLOOR SPACER

PRODUCT		B (mm) horizontal support								Página	
		50	100	150	200	300	400	500	600		700
SV		-	120	120	110	90	-	-	-	-	107

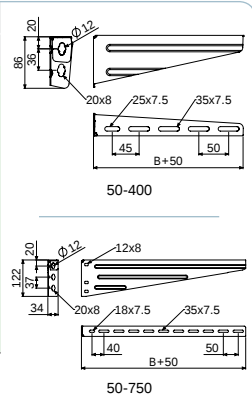
SWL (kg) CEILING SUPPORTS

PRODUCT		B (mm) horizontal support									Página
		50	100	150	200	300	400	500	600	700	
SVO		-	-	270	220	200	160	130	110	-	107
WALL BRACKET + PC		144	127	113	102	85	73	64	57	-	107

SCR Support I304



DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	I304	
					REF.	kg/ud
SCR 50 Support	1	100	50	75	2/0994	0,19
SCR 100 Support	1	100	100	75	2/0995	0,24
SCR 150 Support	1	80	150	75	2/0996	0,30
SCR 200 Support	1	60	200	75	2/4691	0,38
SCR 300 Support	1	10	300	65	2/1020	0,49
SCR 400 Support	1	10	400	65	2/1021	0,62
SCR 500 Support	1	10	500	65	2/4464	0,72
SCR 600 Support	1	10	600	55	2/1022	0,83
SCR 750 Support	1	5	750	65	2/5445	1,50

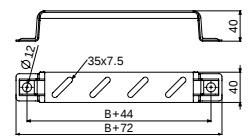


For more technical information, please consult page 211.

SV SUPPORT I304



DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	I304	
					REF.	kg/ud
SV 100 Support	1	50	100	120	2/1062	0,10
SV 150 Support	1	40	150	120	2/1063	0,13
SV 200 Support	1	42	200	110	2/1064	0,19
SV 300 Support	1	60	300	90	2/1065	0,25

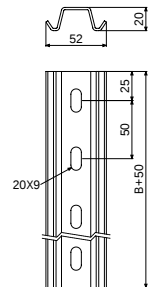


For more technical information, please consult page 211.

SVO SUPPORT I304



DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	I304	
					REF.	kg/ud
SVO 150 Support	1	10	150	270	2/6285	0,24
SVO 200 Support	1	10	200	220	2/1087	0,30
SVO 250 Support	1	10	250	240	2/1088	0,27
SVO 300 Support	1	10	300	200	2/1089	0,32
SVO 350 Support	1	10	350	180	2/1090	0,36
SVO 400 Support	1	10	400	160	2/6286	0,41
SVO 500 Support	1	10	500	130	2/6287	0,50
SVO 600 Support	1	10	600	110	2/6288	0,58



To mount the SVO support to ceiling, 2 VR-8 reference 2/3397 and 4 nuts reference 0/0338 are needed (product packed in bags of 100).

For more technical information, please consult page 211.

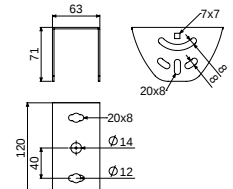
WALL BRACKET I304



DESCRIPTION	UVM ud	UVE ud	I304	
			REF.	kg/ud
Wall Bracket	1	40	2/1121	0,30

For the assembly with wall bracket, 4 B1 bolt sets with reference 2/4925 in I304 are needed (product packed in bags of 100).

For more technical information, please consult page 211.



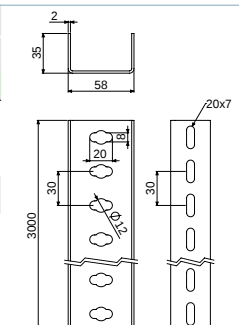
PC I304



DESCRIPTION	UVM m	UVE m	I304	
			REF.	kg/m
PC Profile	3	18	2/5701	1,84

For the assembly with wall bracket, 4 B1 bolt sets with reference 2/4925 in I304 are needed (product packed in bags of 100).

For more technical information, please consult page 211.





SCM



BASORTRAY AL

U with thickness of 2 mm Page 110

U with thickness of 2.5 m..... Page 110

BASORTRAY AL6063 T6

F Page 111

U Page 111

- The solutions which BASOR present in Aluminium are ideal for petrochemical industries, thanks to their great resistance to chemical and atmospheric corrosion.

ALUMINIUM

U H30 e2 PERFORATED HIGH LOAD CABLE TRAY

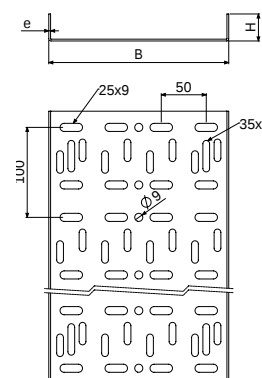


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	AL	
						REF.	kg/m
B/P U 50x30x2 ALUMINIUM	3	3	50	30	2	2/0622	0,59
B/P U 100x30x2 ALUMINIUM	3	3	100	30	2	2/0623	0,86
B/P U 150x30x2 ALUMINIUM	3	3	150	30	2	2/0624	1,13
B/P U 200x30x2 ALUMINIUM	3	3	200	30	2	2/0625	1,40
B/P U 300x30x2 ALUMINIUM	3	3	300	30	2	2/0626	1,94

This product is manufactured under order.

For additional information, please contact our commercial department.



U H50 e2 PERFORATED HIGH LOAD CABLE TRAY

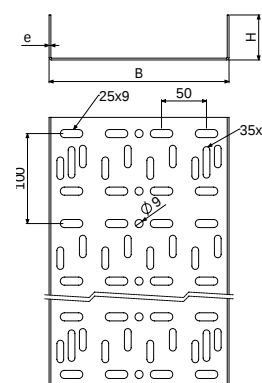


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	AL	
						REF.	kg/m
B/P U 50x50x2 ALUMINIUM	3	3	50	50	2	2/0630	0,81
B/P U 100x50x2 ALUMINIUM	3	3	100	50	2	2/0631	1,08
B/P U 150x50x2 ALUMINIUM	3	3	150	50	2	2/0632	1,35
B/P U 200x50x2 ALUMINIUM	3	3	200	50	2	2/0633	1,62
B/P U 300x50x2 ALUMINIUM	3	3	300	50	2	2/0634	2,16
B/P U 400x50x2 ALUMINIUM	3	3	400	50	2	2/0635	2,70
B/P U 500x50x2 ALUMINIUM	3	3	500	50	2	2/0636	3,24
B/P U 600x50x2 ALUMINIUM	3	3	600	50	2	2/0637	3,78

This product is manufactured under order.

For additional information, please contact our commercial department.



U H60 e2 PERFORATED HIGH LOAD CABLE TRAY

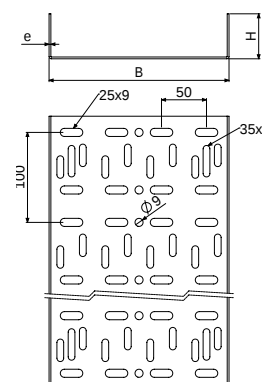


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	AL	
						REF.	kg/m
B/P U 50x60x2 ALUMINIUM	3	3	50	60	2	2/06414	0,93
B/P U 100x60x2 ALUMINIUM	3	3	100	60	2	2/0638	1,19
B/P U 150x60x2 ALUMINIUM	3	3	150	60	2	2/0639	1,46
B/P U 200x60x2 ALUMINIUM	3	3	200	60	2	2/0640	1,73
B/P U 300x60x2 ALUMINIUM	3	3	300	60	2	2/0641	2,27
B/P U 400x60x2 ALUMINIUM	3	3	400	60	2	2/0642	2,81
B/P U 500x60x2 ALUMINIUM	3	3	500	60	2	2/0643	3,35
B/P U 600x60x2 ALUMINIUM	3	3	600	60	2	2/0644	3,89

This product is manufactured under order.

For additional information, please contact our commercial department.



U H30 e2.5 PERFORATED HIGH LOAD CABLE TRAY

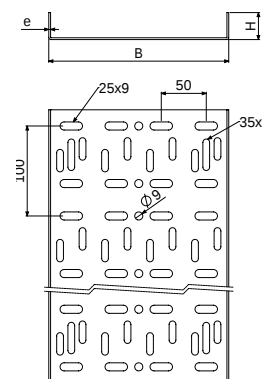


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	AL	
						REF.	kg/m
B/P U 50x30x2,5 ALUMINIUM	3	3	50	30	2,5	2/0712	0,74
B/P U 100x30x2,5 ALUMINIUM	3	3	100	30	2,5	2/0713	1,08
B/P U 150x30x2,5 ALUMINIUM	3	3	150	30	2,5	2/0714	1,42
B/P U 200x30x2,5 ALUMINIUM	3	3	200	30	2,5	2/0715	1,76
B/P U 300x30x2,5 ALUMINIUM	3	3	300	30	2,5	2/0716	2,43

This product is manufactured under order.

For additional information, please contact our commercial department.



U H50 e2 ,5 PERFORATED HIGH LOAD CABLE TRAY

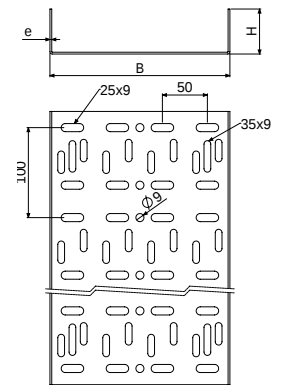


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	AL	
						REF.	kg/m
B/P U 50x50x2,5 ALUMINIUM	3	3	50	50	2,5	2/0720	1,01
B/P U 100x50x2,5 ALUMINIUM	3	3	100	50	2,5	2/0721	1,35
B/P U 150x50x2,5 ALUMINIUM	3	3	150	50	2,5	2/0722	1,69
B/P U 200x50x2,5 ALUMINIUM	3	3	200	50	2,5	2/0723	2,03
B/P U 300x50x2,5 ALUMINIUM	3	3	300	50	2,5	2/0724	2,70
B/P U 400x50x2,5 ALUMINIUM	3	3	400	50	2,5	2/0725	3,38
B/P U 500x50x2,5 ALUMINIUM	3	3	500	50	2,5	2/0726	4,05
B/P U 600x50x2,5 ALUMINIUM	3	3	600	50	2,5	2/0727	4,73

This product is manufactured under order.

For additional information, please contact our commercial department.



U H60 e2 ,5 PERFORATED HIGH LOAD CABLE TRAY

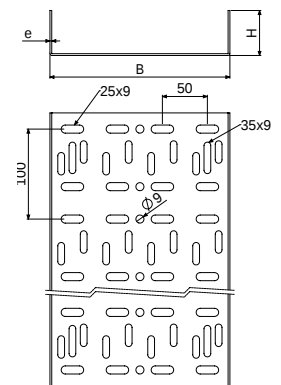


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	AL	
						REF.	kg/m
B/P U 50x60x2,5 ALUMINIUM	3	3	50	60	2,5	2/6261	1,17
B/P U 100x60x2,5 ALUMINIUM	3	3	100	60	2,5	2/0728	1,49
B/P U 150x60x2,5 ALUMINIUM	3	3	150	60	2,5	2/0729	1,83
B/P U 200x60x2,5 ALUMINIUM	3	3	200	60	2,5	2/0730	2,16
B/P U 300x60x2,5 ALUMINIUM	3	3	300	60	2,5	2/0731	2,84
B/P U 400x60x2,5 ALUMINIUM	3	3	400	60	2,5	2/0732	3,51
B/P U 500x60x2,5 ALUMINIUM	3	3	500	60	2,5	2/0733	4,19
B/P U 600x60x2,5 ALUMINIUM	3	3	600	60	2,5	2/0734	4,86

This product is manufactured under order.

For additional information, please contact our commercial department.



F H100 CABLE LADDER

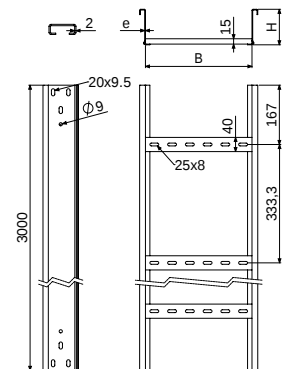


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	AL 6063 T6	
						REF.	kg/m
B/ESC F 100x100x2 AL 6063	3	3	100	100	2	2/4523	1,63
B/ESC F 150x100x2 AL 6063	3	3	150	100	2	2/4524	1,69
B/ESC F 200x100x2 AL 6063	3	3	200	100	2	2/5960	1,75
B/ESC F 300x100x2 AL 6063	3	3	300	100	2	2/4525	1,87

This product is manufactured under order.

For additional information, please contact our commercial department.



U H100 CABLE LADDER

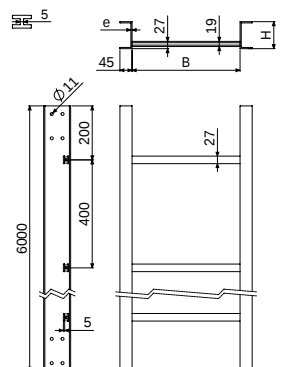


L = 6 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	AL 6063 T6	
						REF.	kg/m
B/ESC U 100x100 AL 6063	6	6	100	100	4,5	2/6352	4,61
B/ESC U 200x100 AL 6063	6	6	200	100	4,5	2/4434	4,83
B/ESC U 300x100 AL 6063	6	6	300	100	4,5	2/4433	5,05
B/ESC U 400x100 AL 6063	6	6	400	100	4,5	2/4502	5,26
B/ESC U 600x100 AL 6063	6	6	600	100	4,5	2/4432	5,70

This product is manufactured under order.

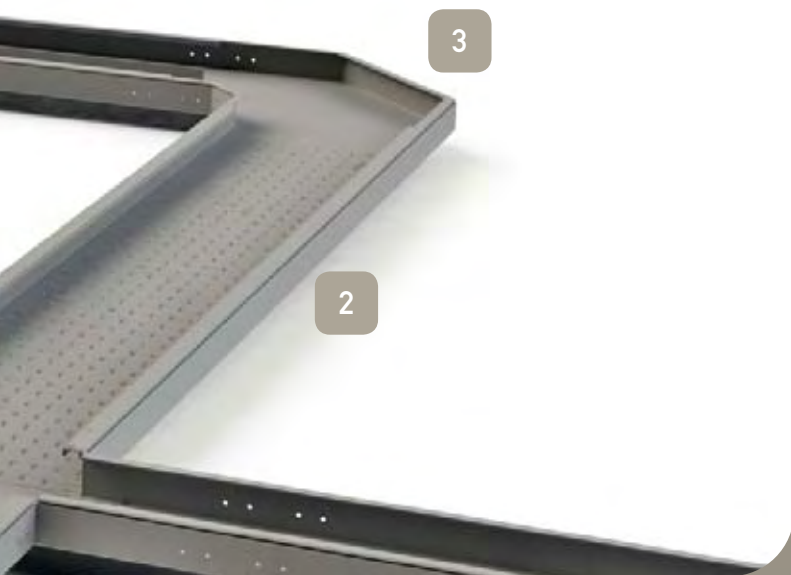
For additional information, please contact our commercial department.





- 1. BPI Non-perforated cable tray
- 2. BPI Perforated cable tray
- 3. BPI Horizontal bend
- 4. BPI Vertical inside
- 5. BPI Vertical outside
- 6. SHG Support
- 7. Adjustable joint
- 8. Angle joint
- 9. PDBPI Intersection piece
- 10. SVO + VR8 Support

SCP



BASORPLAST

BASORPLAST BPB

PVC domestic minitrunkings Page 114

BASORPLAST BPI

Industrial PVC cable trays and trunkings Page 116

BASORPLAST Assemblies Page 123

BASORSUPPORT SCP

SCP Supports Page 124

- The BASORPLAST cable tray family is manufactured in extruded PVC, using raw materials of the best quality. BASORPLAST includes two types of trunkings devoted both for domestic and industrial use.
- These cable trays can be used in all kinds of interior facilities, as they behave perfectly under any atmospheric conditions and are very light in weight.

BASORPLAST

PVC



The BASORPLAST BPB family is the range of minitrunkings for small superficial systems. They are mainly used in the domestic sector.

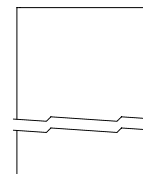
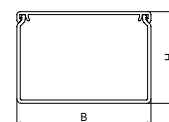
B(mm)	USEFUL AREA (cm ²)			
	H16	H25	H40	H60
25	3	5	-	-
40	5	-	14	-
60	-	-	21	32
100	-	-	-	52

BPB PVC DOMESTIC MINITRUNKINGS



L = 2 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	PVC	
					REF.	kg/m
BPB 16X25	2	84	25	16	2/1126	0,18
BPB 25X25	2	48	25	25	2/1128	0,20
BPB 40X40	2	24	40	40	2/1129	0,37
BPB 40X60	2	16	60	40	2/1130	0,51
BPB 60X60	2	12	60	60	2/5835	0,60

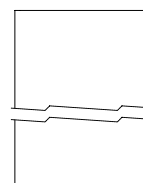
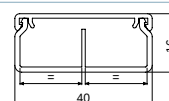


BPB PVC DOMESTIC DOUBLE MINITRUNKING

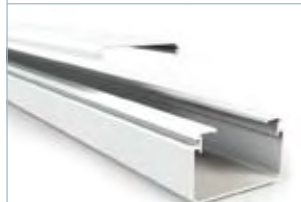


L = 2 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	PVC	
					REF.	kg/m
BPB 16X40/2	2	56	40	16	2/1127	0,23

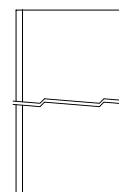
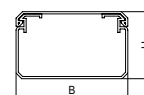


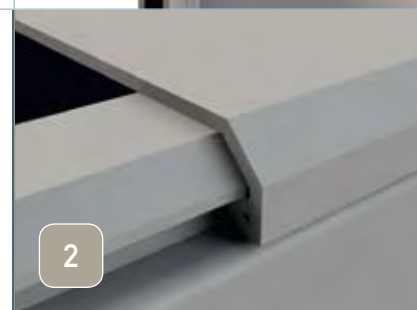
BPB 60x100 PVC DOMESTIC MINITRUNKING



L = 2 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	PVC	
					REF.	kg/m
BPB 60X100	2	16	100	60	2/6435	0,77





Non-flammable component, with M1 fire rating according to Standard UNE 23727:1990.

Electrical safety, non-conductive and without continuity characteristic cable trays.

1 Alveolar structure (BASE $\geq$ 200 mm)

- **Greater relationship between resistance to flexure / weight.**
- **Greater breaking tension.**
- **Less weight → Easier to assemble, transport and manipulate.**

2 Perfectly self-assembled covers.

- **Quick and easy to assemble.**

3 Inside flanges which increase resistance to flexion.

B (mm)	USEFUL AREA (cm ²)	
	H60	H100
100	52	-
150	80	-
200	93	169
300	143	259
400	-	349
600	-	529

H60 PVC PERFORATED CABLE TRAY



L = 3 m
B 100/150

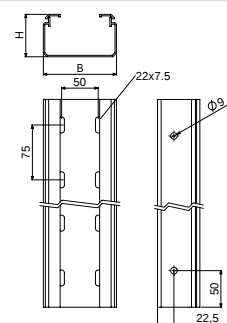


L = 3 m
B 200/300

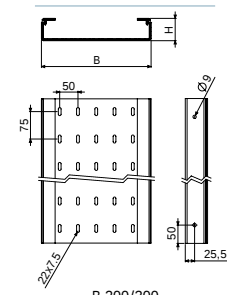
DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	PVC	
						REF.	kg/m
B/P BPI 100X60	3	24	100	60	23	2/1162	0,73
B/P BPI 150X60	3	24	150	60	28	2/1163	0,98
B/P BPI 200X60	3	12	200	60	39	2/1164	1,11
B/P BPI 300X60	3	12	300	60	45	2/1165	1,62

Each stretch requires two H60 couplers, with reference number 2/2061 and four bolt sets with reference number 2/6467 (products packed in bags containing 50 units).

For more technical information, please consult page 211.



B 100/150



B 200/300

H60 PVC NON-PERFORATED CABLE TRAY



L = 3 m
B 100/150

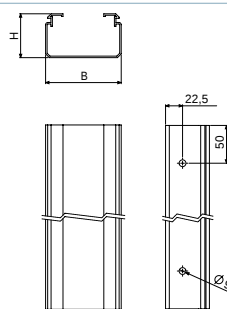


L = 3 m
B 200/300

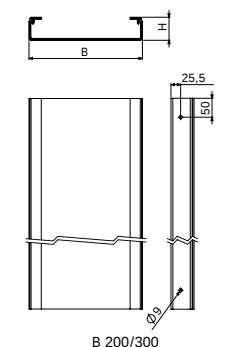
DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	PVC	
						REF.	kg/m
B/C BPI 100X60	3	24	100	60	23	2/1156	0,77
B/C BPI 150X60	3	24	150	60	28	2/1157	1,03
B/C BPI 200X60	3	12	200	60	39	2/1158	1,17
B/C BPI 300X60	3	12	300	60	45	2/1159	1,70

To assemble the cable tray, it's necessary to use couplers. Each stretch requires two H60 couplers, with reference number 2/2061 and four bolt sets with reference number 2/6467 (products packed in bags containing 50 units).

For more technical information, please consult page 211.



B 100/150



B 200/300

H100 PVC PERFORATED CABLE TRAY

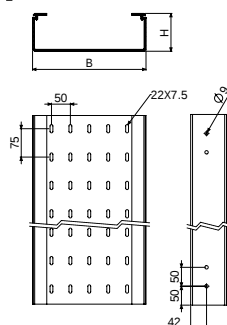


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	PVC	
						REF.	kg/m
B/P BPI 200x100	3	12	200	100	79	2/4898	1,46
B/P BPI 300x100	3	6	300	100	92	2/4964	1,84
B/P BPI 400x100	3	6	400	100	101	2/1166	2,50
B/P BPI 600x100	3	6	600	100	118	2/1167	4,27

To assemble the cable tray, it's necessary to use couplers. Each stretch requires two H100 couplers, with reference number 2/2062 and eight bolt sets with reference number 2/6467 (products packed in bags containing 50 units).

For more technical information, please consult page 211.



H100 PVC NON-PERFORATED CABLE TRAY

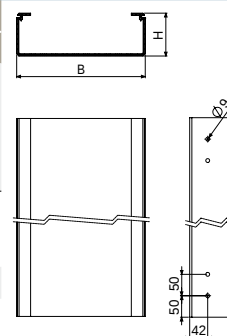


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	d=1,5 SWL (kg/m)	PVC	
						REF.	kg/m
B/C BPI 200x100	3	12	200	100	79	2/5091	1,54
B/C BPI 300x100	3	6	300	100	92	2/5092	1,94
B/C BPI 400x100	3	6	400	100	101	2/1160	2,64
B/C BPI 600x100	3	6	600	100	118	2/1161	4,17

To assemble the cable tray, it's necessary to use couplers. Each stretch requires two H100 couplers, with reference number 2/2062 and 8 bolt sets with reference number 2/6467 (products packed in bags containing 50 units).

For more technical information, please consult page 211.



BPI PVC COVER

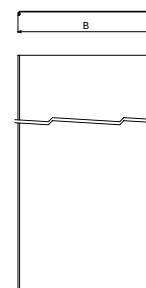


L = 3 m

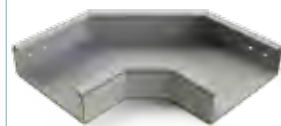
DESCRIPTION	UVM m	UVE m	B mm	PVC	
				REF.	kg/m
COVER BPI 100	3	24	100	2/1185	0,37
COVER BPI 150	3	24	150	2/1186	0,50
COVER BPI 200	3	24	200	2/1187	0,77
COVER BPI 300	3	18	300	2/1188	1,10
COVER BPI 400	3	12	400	2/1189	1,53
COVER BPI 600	3	12	600	2/1190	2,10

No accessories required for mounting. Pressure-fixed covers.

The width 600 has alveolar structure.



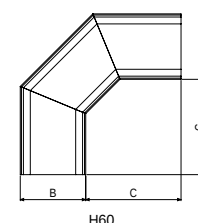
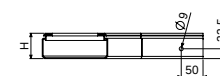
BPI HORIZONTAL BEND



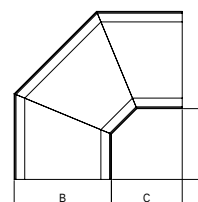
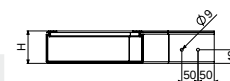
DESCRIPTION	UVM ud	UVE ud	B mm	H mm	C mm	PVC	
						REF.	kg/ud
CPBPI 100X60	1	4	100	60	224	2/1168	0,40
CPBPI 150X60	1	4	150	60	224	2/1169	0,54
CPBPI 200X60	1	4	200	60	218	2/1170	0,69
CPBPI 300X60	1	2	300	60	218	2/1171	1,10
CPBPI 200X100	1	4	200	100	218	2/5188	0,80
CPBPI 300X100	1	2	300	100	218	2/5189	1,00
CPBPI 400X100	1	2	400	100	218	2/1172	1,90
CPBPI 600X100	1	2	600	100	241	2/1173	2,53

Each stretch requires 2 couplers (ref. 2/2061 for H60 or ref.2/2062 for H100) and 4 (8 for H100) bolt sets with reference number 2/6467 (products packed in bags containing 50 units).

The accessories have the same structure than their model corresponding.



H60

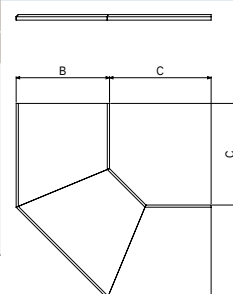


H100

COVER BPI HORIZONTAL BEND



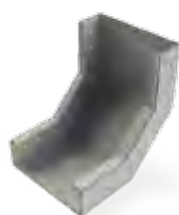
DESCRIPTION	UVM ud	UVE ud	B mm	C mm	GS	
					REF.	kg/ud
COVER CPBPI 100	1	4	100	219	2/5194	0,18
COVER CPBPI 150	1	4	150	217	2/5195	0,26
COVER CPBPI 200	1	4	200	218	2/5198	0,43
COVER CPBPI 300	1	4	300	217	2/5199	0,71
COVER CPBPI 400	1	4	400	215	2/5200	1,12
COVER CPBPI 600	1	4	600	215	2/5201	1,94



No accessories required for mounting. Pressure-fixed covers.

The accessories have the same structure than their model corresponding.

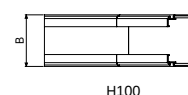
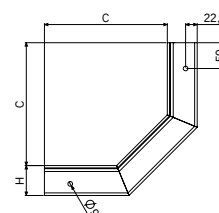
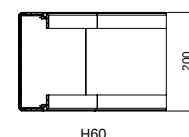
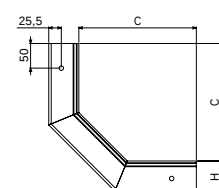
BPI VERTICAL INSIDE



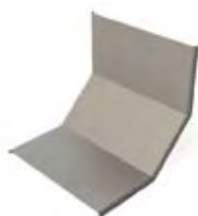
DESCRIPTION	UVM ud	UVE ud	B mm	H mm	C mm	PVC	
						REF.	kg/ud
CCBPI 100X60	1	4	100	60	238	2/1174	0,39
CCBPI 150X60	1	4	150	60	238	2/1175	0,49
CCBPI 200X60	1	4	200	60	238	2/1176	0,59
CCBPI 300X60	1	2	300	60	238	2/1177	0,81
CCBPI 200X100	1	4	200	100	274	2/5190	0,88
CCBPI 300X100	1	2	300	100	274	2/5191	1,11
CCBPI 400X100	1	2	400	100	274	2/1178	1,48
CCBPI 600X100	1	2	600	100	274	2/1179	2,00

Each stretch requires 2 couplers (ref. 2/2061 for H60 or ref.2/2062 for H100) and 4 (8 for H100) bolt sets with reference number 2/6467 (products packed in bags containing 50 units).

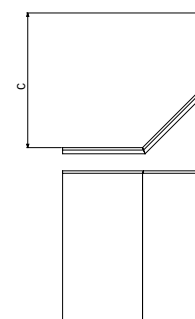
The accessories have the same structure than their model corresponding.



COVER BPI VERTICAL INSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	C mm	PVC	
						REF.	kg/ud
COVER CCBPI 100X60	1	4	100	60	224	2/5202	0,18
COVER CCBPI 150X60	1	4	150	60	224	2/5203	0,24
COVER CCBPI 200X60	1	4	200	60	224	2/5204	0,37
COVER CCBPI 300X60	1	4	300	60	224	2/5205	0,52
COVER CCBPI 200X100	1	4	200	100	261	2/5207	0,56
COVER CCBPI 300X100	1	4	300	100	261	2/5208	0,61
COVER CCBPI 400X100	1	4	400	100	261	2/5209	0,87
COVER CCBPI 600X100	1	4	600	100	261	2/5210	1,04



No accessories required for mounting. Pressure-fixed covers.

The accessories have the same structure than their model corresponding.

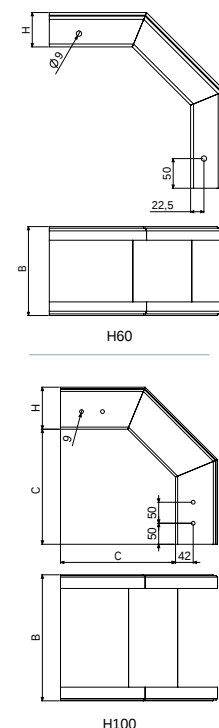
BPI VERTICAL OUTSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	C mm	PVC	
						REF.	kg/ud
CXBPI 100X60	1	4	100	60	238	2/1180	0,39
CXBPI 150X60	1	4	150	60	238	2/1181	0,49
CXBPI 200X60	1	4	200	60	243	2/1182	0,59
CXBPI 300X60	1	2	300	60	243	2/1183	0,81
CXBPI 200X100	1	4	200	100	279	2/5192	0,88
CXBPI 300X100	1	2	300	100	279	2/5193	1,11
CXBPI 400X100	1	2	400	100	279	2/1184	1,48
CXBPI 600X100	1	2	600	100	279	2/4707	2,00

Each stretch requires 2 couplers (ref. 2/2061 for H60 or ref.2/2062 for H100) and 4 (8 for H100) bolt sets with reference number 2/6467 (products packed in bags containing 50 units).

The accessories have the same structure than their model corresponding.



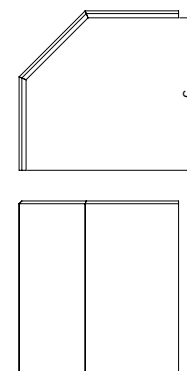
COVER BPI VERTICAL OUTSIDE



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	C mm	PVC	
						REF.	kg/ud
COVER CXBPI 100X60	1	4	100	60	234	2/5211	0,22
COVER CXBPI 150X60	1	4	150	60	234	2/5212	0,30
COVER CXBPI 200X60	1	4	200	60	234	2/5213	0,49
COVER CXBPI 300X60	1	4	300	60	234	2/5214	0,65
COVER CXBPI 200X100	1	4	200	100	271	2/5215	0,75
COVER CXBPI 300X100	1	4	300	100	271	2/5216	0,82
COVER CXBPI 400X100	1	4	400	100	271	2/5217	1,17
COVER CXBPI 600X100	1	4	600	100	271	2/5218	1,39

No accessories required for mounting. Pressure-fixed covers.

The accessories have the same structure than their model corresponding.

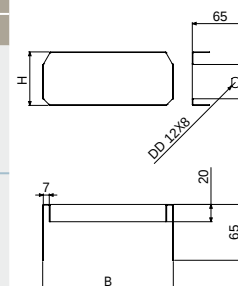


TFBPI END COVER



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GSE	
					REF.	kg/ud
TFBPI 100X60	1	1	100	60	2/4395	0,09
TFBPI 150X60	1	1	150	60	2/4800	0,13
TFBPI 200X60	1	1	200	60	2/4396	0,15
TFBPI 300X60	1	1	300	60	2/4838	0,21
TFBPI 200X100	1	1	200	100	2/5220	0,24
TFBPI 300X100	1	1	300	100	2/5221	0,31
TFBPI 400X100	1	1	400	100	2/5125	0,40
TFBPI 600X100	1	1	600	100	2/5219	0,55

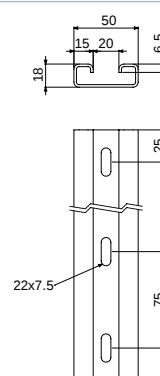
To mount the end cover 2 bolt sets with reference 2/6467 are needed (product packed in bags containing 50 units).



RA50 BPI PROFILE



DESCRIPTION	UVM m	UVE m	PVC	
			REF.	kg/m
RA 50	2	50	2/6357	0,33

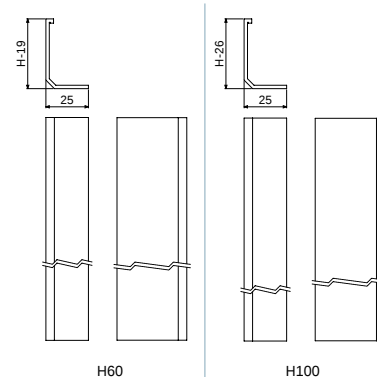


PSBPI DIVIDER PROFILE



DESCRIPTION	UVM m	UVE m	H m	PVC	
				REF.	kg/m
PS BPI 60	3	30	60	2/3522	0,22
PS BPI 100	3	30	100	2/3523	0,38

To mount the divider 4 bolt sets with reference 2/6467 are needed for each stretch (product packed in bags containing 50 units).

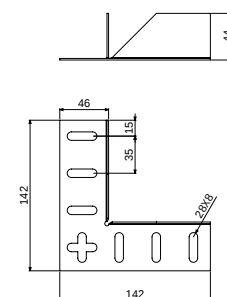


PDBPI INTERSECTION PIECE



DESCRIPTION	UVM ud	UVE ud	GSE	
			REF.	kg/ud
PDBPI	1	50	2/3521	0,18

Para montar la derivación es necesario utilizar mínimo 4 tornillos referencia 2/6467 (Product embalado en bolsas de 50) por pieza.



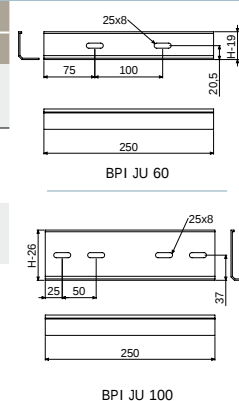
BPI JOINT PLATE



DESCRIPTION	UVM ud	UVE ud	H mm	PVC	
				REF.	kg/ud
BPI Jopint Plate 60	1	125	41	2/2061	0,05
BPI Jopint Plate 100	1	75	74	2/2062	0,09

To mount the joint H60 2 bolt sets with reference 2/6467 are needed (product packed in bags containing 50 units).

To mount the joint H100 4 bolt sets with reference 2/6467 are needed (product packed in bags containing 50 units).



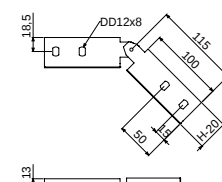
BPI JU 100

ARTICULATED JOINT

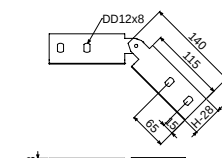


DESCRIPTION	UVM ud	UVE ud	H mm	I304	
				REF.	kg/ud
UABPI H60 Joint	1	60	60	2/5036	0,09
UABPI H100 Joint	1	60	100	2/5037	0,16

To mount the joint 4 bolt sets with reference 2/6467 are needed (product packed in bags containing 50 units).



UA BPI 60



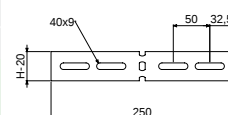
UA BPI 100

ANGLE JOINT

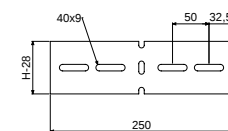


DESCRIPTION	UVM ud	UVE ud	H mm	I304	
				REF.	kg/ud
UBBPI H60 Joint	1	60	60	2/3520	0,13
UBBPI H100 Joint	1	60	100	2/5038	0,22

To mount the joint 4 bolt sets with reference 2/6467 are needed (product packed in bags containing 50 units).



BPI JUB 60



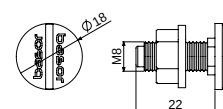
BPI JUB 100

M8 PVC BOLT

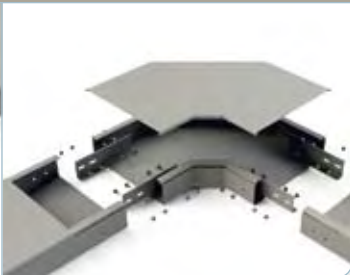


DESCRIPTION	UVM ud	UVE ud	PVC	
			REF.	kg/ud
PACK 50 M8 PVC BOLT SET	1	1	2/6467	0,4

The M8 PVC bolt set consists of a M8 mushroom head bolt and flange nut with serration, both in PVC.



BPI MOUNTS

BPI + COVER	JOINT PLATE H60	JOINT PLATE H100	BPI HORIZONTAL BEND
			
BPI VERTICAL INSIDE	B/P BPI + SHG		
			
	SHG support page 125.		

SWL (kg) WALL SUPPORT

Product		B (mm) horizontal support								Page	
		50	100	150	200	300	400	500	600		750
SHG		-	90	105	120	130	-	-	-	-	125
SCR		70	70	70	70	70	70	70	60	60	125

SWL (kg) CEILING SUPPORT

Product		B (mm) horizontal support								Page	
		50	100	150	200	300	400	500	600		750
WALL BRACKET+PC		150	120	100	86	67	55	46	40	-	125
SVO		-	-	270	220	200	160	130	110	-	126

SWL (kg) WALL-FLOOR SPACER

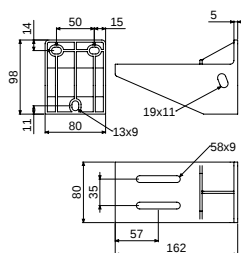
Product		B (mm) del soporte horizontal									
		50	100	150	200	300	400	500	600	750	Page
SV		-	120	120	110	90	-	-	-	-	126

SHG SUPPORT

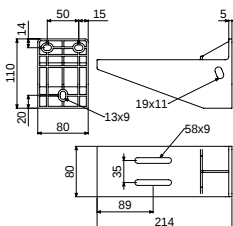


DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	PVC	
					REF.	kg/ud
SHG 100 Support	1	60	100	90	2/6779	0,19
SHG 150 Support	1	10	150	105	2/6780	0,27
SHG 200 Support	1	10	200	120	2/6781	0,34
SHG 300 Support	1	10	300	130	2/6782	0,54

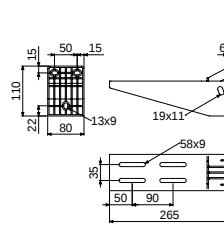
For more technical information, please consult page 211.



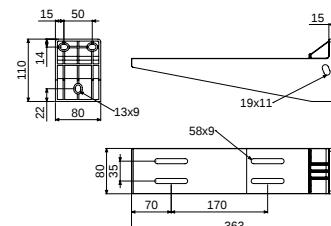
SHG100



SHG150



SHG200



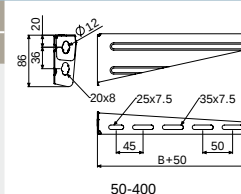
SHG300

GREY SCR SUPPORT

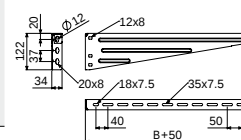


DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GSE	
					REF.	kg/ud
SCR 50 Support	1	75	50	70	2/0991	0,20
SCR 100 Support	1	60	100	70	2/0992	0,27
SCR 150 Support	1	10	150	70	2/0993	0,33
SCR 200 Support	1	10	200	70	2/0990	0,42
SCR 300 Support	1	10	300	70	2/1017	0,68
SCR 400 Support	1	10	400	70	2/1018	0,85
SCR 500 Support	1	10	500	70	2/6324	1,03
SCR 600 Support	1	10	600	60	2/1019	1,20
SCR 750 Support	1	5	750	60	2/4687	1,81

For more technical information, please consult page 211.



50-400



500-750

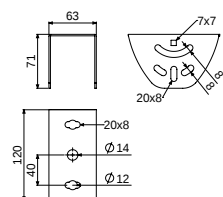
GREY WALL BRACKET



DESCRIPTION	UVM ud	UVE ud	GSE	
			REF.	kg/ud
GREY WALL BRACKET	1	40	2/1120	0,39

To mount the wall bracket 4 bolt sets with reference 2/4925 in I304 are needed (product packed in bags containing 100 units).

For more technical information, please consult page 211.



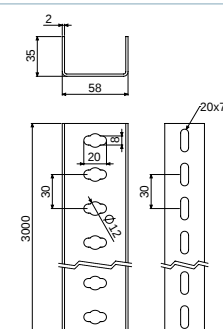
GREY PC PROFILE



DESCRIPTION	UVM m	UVE m	GSE	
			REF.	kg/m
GREY PC PROFILE	3	18	2/0232	1,86

To mount the the profile with the wall bracket 4 bolt sets with reference 2/4925 in I304 are needed (product packed in bags containing 100 units).

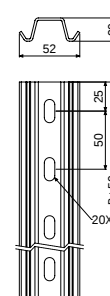
For more technical information, please consult page 211.



GREY SVO SUPPORT



DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GSE	
					REF.	kg/ud
SVO Support 150	1	10	150	300	2/6281	0,19
SVO Support 200	1	10	200	220	2/1083	0,24
SVO Support 250	1	10	250	180	2/1084	0,39
SVO Support 300	1	10	300	200	2/1085	0,45
SVO Support 350	1	10	350	140	2/1086	0,51
SVO Support 400	1	10	400	160	2/6282	0,57
SVO Support 500	1	10	500	130	2/6283	0,70
SVO Support 600	1	10	600	110	2/6284	0,83



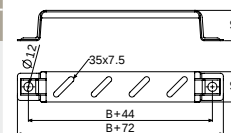
To mount the SVO on ceiling 2 threaded rods VR-8 (ref. 2/3397) and 4 nuts (ref. 0/0338) are needed (product packed in bags containing 100 units).

For more technical information, please consult page 211.

GREY SV SUPPORT

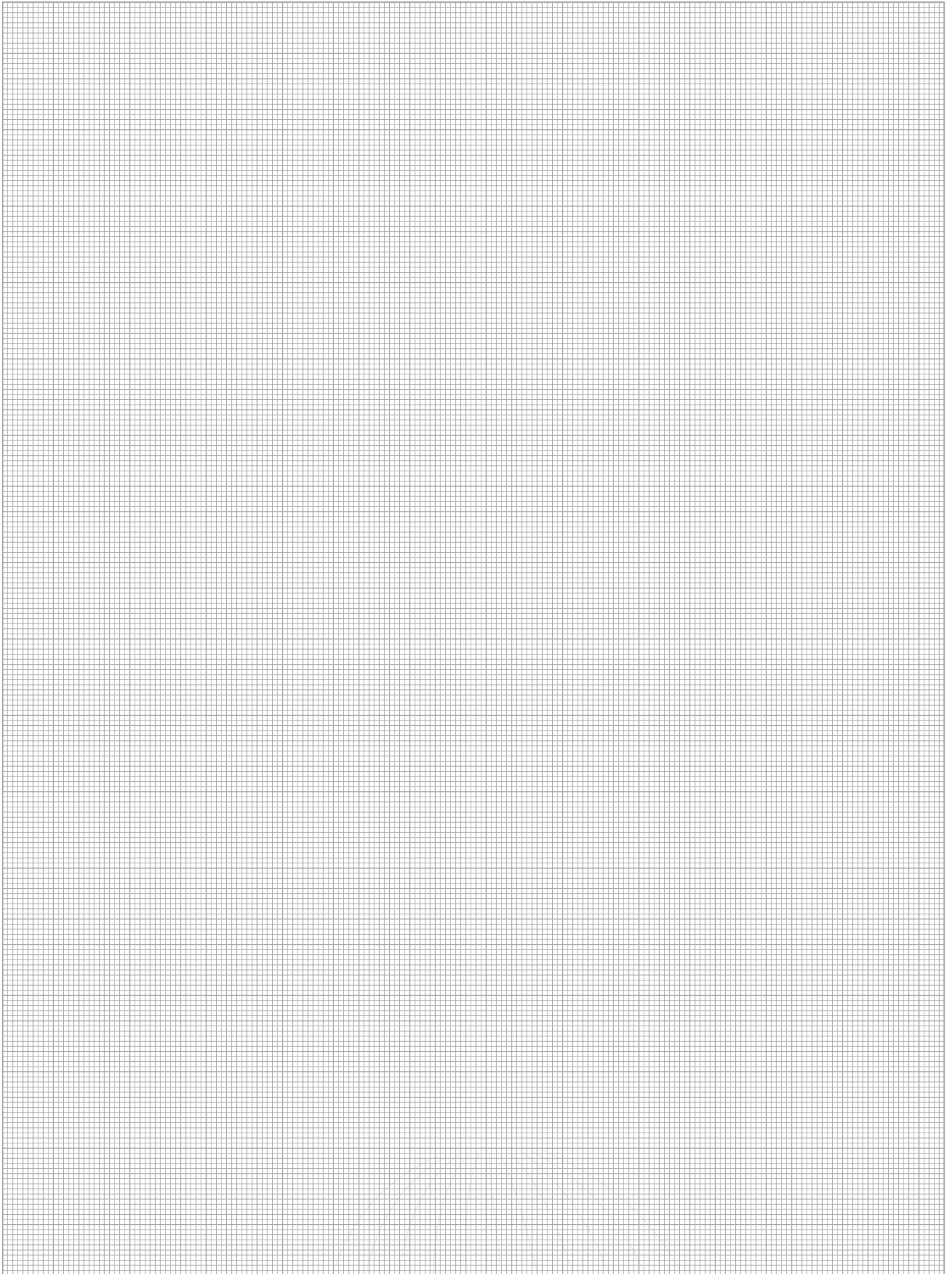


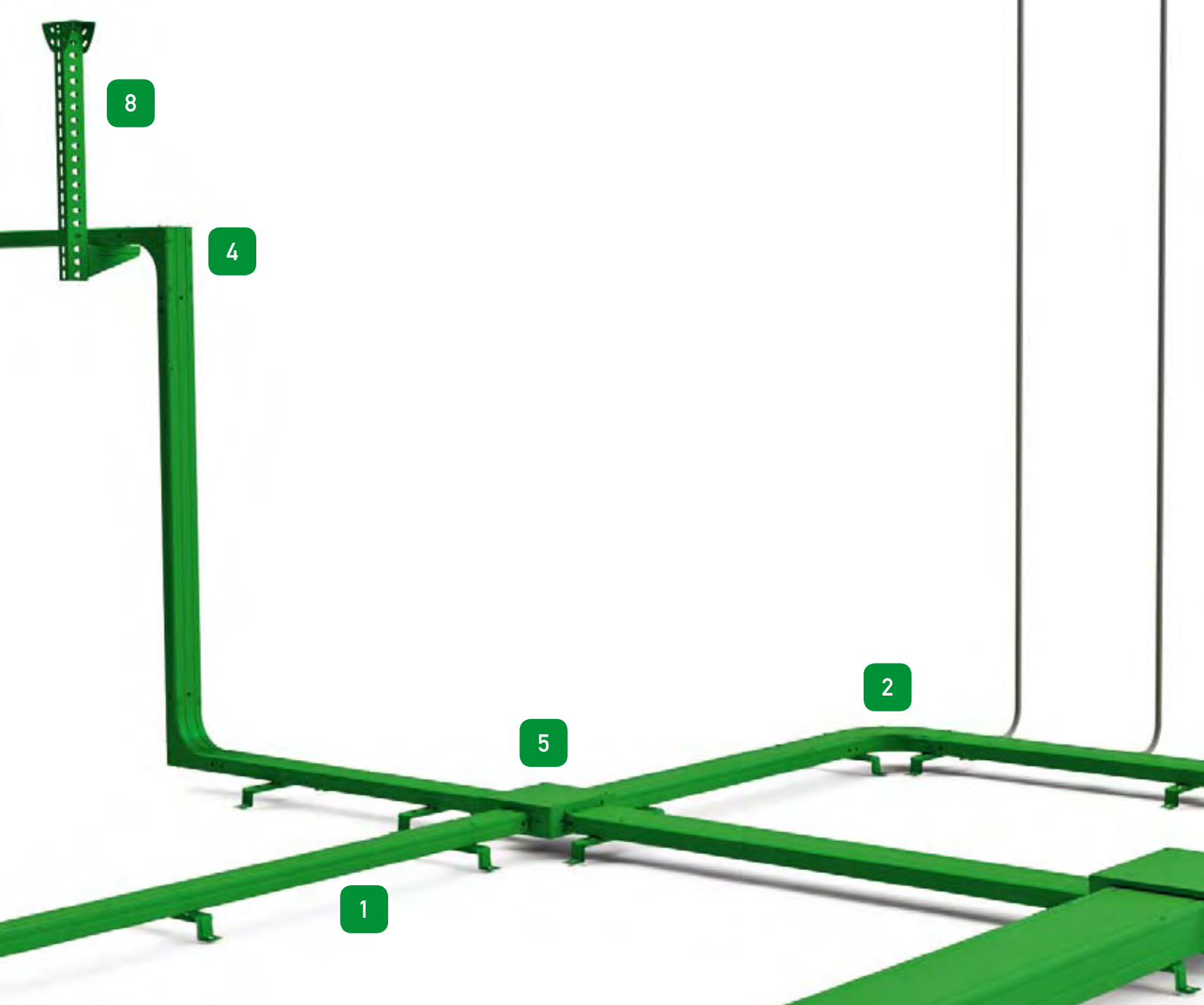
DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GSE	
					REF.	kg/ud
SV Support 100	1	50	100	120	2/1058	0,14
SV Support 150	1	40	150	120	2/1059	0,18
SV Support 200	1	42	200	110	2/1060	0,21
SV Support 300	1	60	300	90	2/1061	0,28



To mount the SV 2 bolt sets with reference 2/4925 in I304 are needed (product packed in bags containing 100 units).

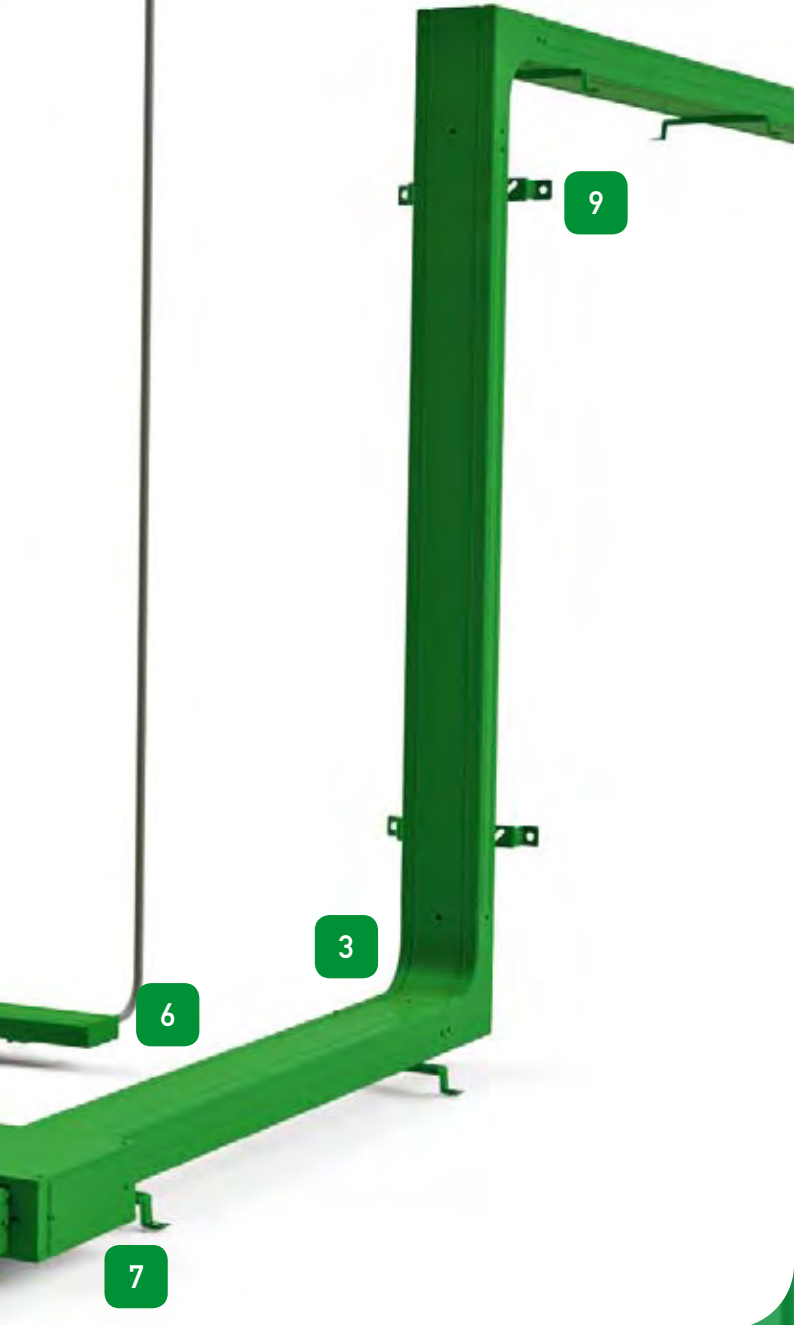
For more technical information, please consult page 211.





- 1. BASORCANAL CT
- 2. CPT Horizontal bend
- 3. CCCT as a vertical inside
- 4. CCCT as a vertical outside
- 5. CDT Junction box
- 6. TF end cover
- 7. TC Solid cover
- 8. WALL BRACKET+PC+SCR (Green GSE)
- 9. SV Support (Green)

SCE



BASORCANAL CT

BASORCANALCT.....Page 130

BASORCANALASSEMBLIES.....Page 135

BASORSUPPORT SCE

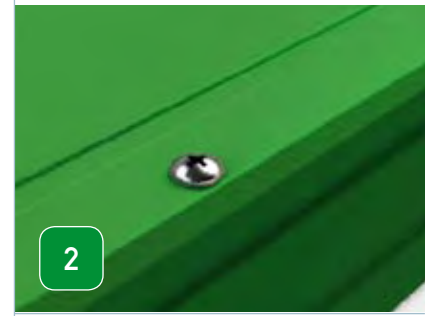
SCE SUPPORTS.....Page 136

- BASORCANAL is the ideal solution for those places where there is a need to install completely sealed cable trays capable of maintaining electrical cables isolated in order to avoid accidents from happening. These cable trays are covered in green Epoxy-polyester resin.
- BASOR ELECTRIC is the only company in Spain which has an IP65* certificate, which is obtained thanks to the Buprene joint which allows this cable tray to be completely sealed.
- BASOR ELECTRIC recommends installing these cable trays in industries which deal with wood, food, ceramics, paper, cardboard, paint, etc. due to environmental reasons or to the danger posed by the products manipulated therein. These cable trays are also installed inside big machinery.

*IP65 Certificate: Complete protection against entry of dust and protection from a low pressure jet of water in any direction.

BASORCANAL

GSE



Cable tray system with an IP65 degree of protection if a buprene joint is used in all joints elements. Should the system be assembled without buprene joints, the sealing degree would be equivalent to IP53.

- 1 Longitudinal reinforcements to improve Resistance to flexure.
- 2 Pressure-fixed covers with M4 bolts to avoid accidental accesses.
- 3 Cover with self-assembly system which gives it a higher sealing degree.
- 4 Inside wing which confers it a greater resistance to flexure.
- 5 "U-shaped" joint which gives the system a higher sealing degree and improves its resistance to flexure.
- 6 Corners finished at 45°.
- 7 Accessories with circular insides to avoid damaging the cables.



B(mm)	USEFUL AREA (cm²)			
	H40	H60	H80	H100
80	30	-	-	-
120	46	70	-	-
140	-	-	110	-
200	-	-	158	198
300	-	-	-	298
400	-	-	-	397
600	-	-	-	597

CT H40 TRUNKING

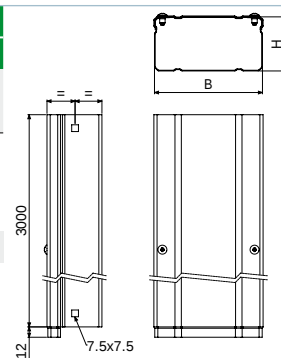


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	IK	IP	A cm ²	T° Min °C	T° Max °C	GSE (Green)	
										REF.	kg/m
CT 40x80	3	12	80	40	10	65	30	-45	120	2/0151	1,72
CT 40x120	3	12	120	40	10	65	46	-45	120	2/0152	2,19

To assemble the trunking, it's necessary to use a joint. Each stretch requires one joint of the appropriate model, six bolts with reference number 2/4356 (product packed in bags containing 100 units) and six bolts with reference number 2/6818 (product packed in bags containing 100 units).

For more technical information, please consult page 211.



CT H60 TRUNKING

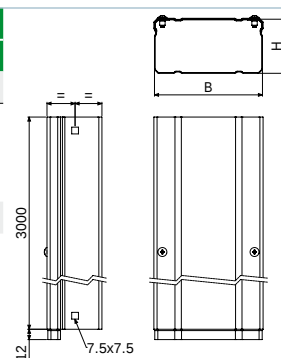


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	IK	IP	A cm ²	T° Min °C	T° Max °C	GSE (Green)	
										REF.	kg/m
CT 60x120	3	12	120	60	10	65	70	-45	120	2/0153	2,44

To assemble the trunking, it's necessary to use a joint. Each stretch requires one joint of the appropriate model, six bolts with reference number 2/4356 (product packed in bags containing 100 units) and six bolts with reference number 2/6818 (product packed in bags containing 100 units).

For more technical information, please consult page 211.



CT H80 TRUNKING

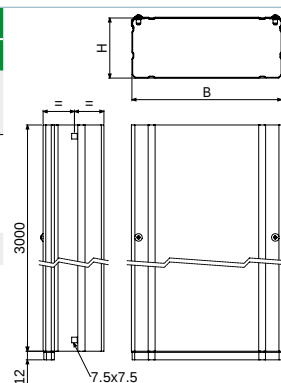


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	IK	IP	A cm ²	T° Min °C	T° Max °C	GSE (Green)	
										REF.	kg/m
CT 80x140	3	6	140	80	10	65	110	-45	120	2/0154	2,93
CT 80x200	3	6	200	80	10	65	158	-45	120	2/0155	4,23

To assemble the trunking, it's necessary to use a joint. Each stretch requires one joint of the appropriate model, six bolts with reference number 2/4356 (product packed in bags containing 100 units) and six bolts with reference number 2/6818 (product packed in bags containing 100 units).

For more technical information, please consult page 211.



CT H100 TRUNKING

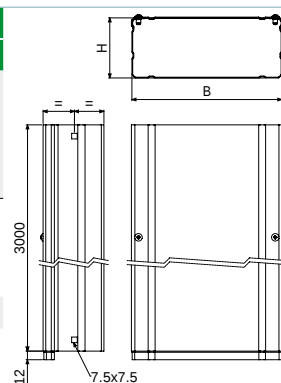


L = 3 m

DESCRIPTION	UVM m	UVE m	B mm	H mm	IK	IP	A cm ²	T° Min °C	T° Max °C	GSE (Green)	
										REF.	kg/m
CT 100x200	3	6	200	100	10	65	198	-45	120	2/0156	4,54
CT 100x300	3	6	300	100	10	65	298	-45	120	2/0157	5,88
CT 100x400	3	3	400	100	10	65	397	-45	120	2/5908	7,6
CT 100x600	3	3	600	100	10	65	597	-45	120	2/0160	16,86

To assemble the trunking, it's necessary to use a joint. Each stretch requires one joint of the appropriate model, six bolts with reference number 2/4356 (product packed in bags containing 100 units) and six bolts with reference number 2/6818 (product packed in bags containing 100 units).

For more technical information, please consult page 211.

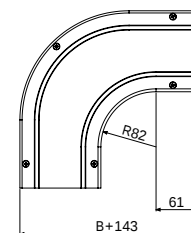
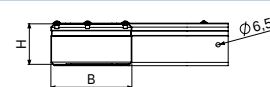


CPT HORIZONTAL BEND

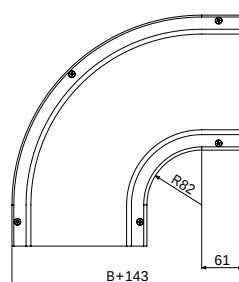
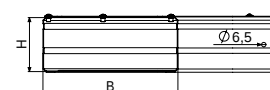


DESCRIPTION	UVM ud	UVE ud	B mm	H mm	R mm	GSE (Green)	
						REF.	kg/ud
CPT 40X80	1	4	80	40	82	2/0161	0,67
CPT 40X120	1	4	120	40	82	2/0162	1,01
CPT 60X120	1	4	120	60	82	2/0163	1,12
CPT 80X140	1	4	140	80	82	2/0164	1,43
CPT 80X200	1	3	200	80	82	2/0165	1,89
CPT 100X200	1	2	200	100	82	2/0166	2,02
CPT 100X300	1	2	300	100	82	2/0167	3,45
CPT 100X400	1	1	400	100	82	2/3333	5,34
CPT 100X600	1	1	600	100	82	2/0170	9,65

CPT requires a joint according to model. A joint and 6 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).

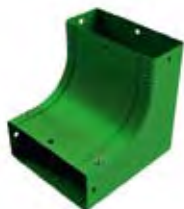


CPT H40/60



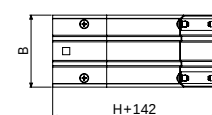
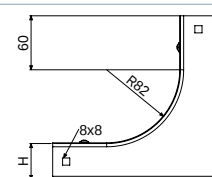
CPT H80/100

CCCT VERTICAL INSIDE/OUTSIDE

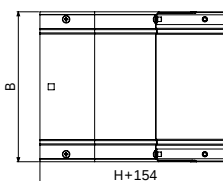
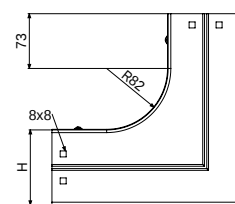


DESCRIPTION	UVM ud	UVE ud	B mm	H mm	R mm	GSE (Green)	
						REF.	kg/ud
CCCT 40X80	1	4	80	40	82	2/0171	0,61
CCCT 40X120	1	4	120	40	82	2/0172	0,76
CCCT 60X120	1	4	120	60	82	2/0173	0,92
CCCT 80X140	1	4	140	80	82	2/0174	1,18
CCCT 80X200	1	2	200	80	82	2/0175	1,44
CCCT 100X200	1	2	200	100	82	2/0176	1,64
CCCT 100X300	1	2	300	100	82	2/0177	2,10
CCCT 100X400	1	1	400	100	82	2/0178	4,08
CCCT 100X600	1	1	600	100	82	2/0180	5,71

CCCT requires a joint according to model. A joint and 6 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).

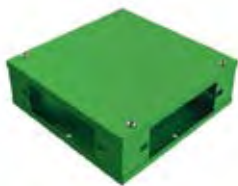


CCCT H40/60/80



CCCT H100

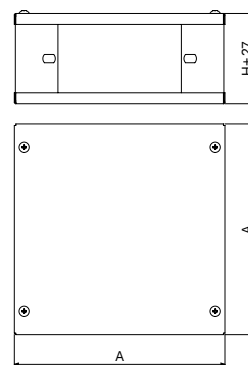
CDT JUNCTION BOX



DESCRIPTION	UVM ud	UVE ud	H mm	A mm	GSE (Green)	
					REF.	kg/ud
CDT 40	1	4	40	203	2/0191	0,97
CDT 60	1	4	60	203	2/0192	1,24
CDT 80	1	2	80	283	2/0193	2,1
CDT 100	1	2	100	383	2/0194	3,59
CDT 100X400	1	1	100	483	2/3610	3,40
CDT 100X600	1	1	100	683	2/4203	6,50

CDT requires AC coupler according to model.

When trunking isn't being connected to one of the CDT junction box sides a TC solid cover must be used to seal the box. And 2 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).

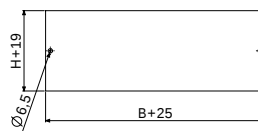


TC SOLID COVER



DESCRIPTION	UVM ud	UVE ud	H mm	A mm	GSE (Green)	
					REF.	kg/ud
TC 40	1	1	40	120	2/0223	0,05
TC 60	1	1	60	120	2/0224	0,06
TC 80	1	1	80	200	2/0225	0,21
TC 100	1	1	100	300	2/0226	0,30
TC 100X400	1	1	100	400	2/4866	0,40
TC 100X600	1	1	100	600	2/5931	0,58

To mount TC solid cover 2 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).

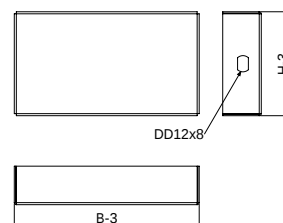


END COVER



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GSE (Green)	
					REF.	kg/ud
TF 40X80	1	1	80	40	2/0213	0,07
TF 40X120	1	1	120	40	2/0214	0,10
TF 60X120	1	1	120	60	2/0215	0,10
TF 80X140	1	1	140	80	2/0216	0,14
TF 80X200	1	1	200	80	2/0217	0,23
TF 100X200	1	1	200	100	2/0218	0,23
TF 100X300	1	1	300	100	2/0219	0,46
TF 100X400	1	1	400	100	2/0220	0,47
TF 100X600	1	1	600	100	2/0222	0,68

To mount end cover 2 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).

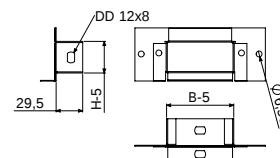


AC COUPLER CDT40



DESCRIPTION	UVM ud	UVE ud	B mm	H mm	GSE (Green)	
					REF.	kg/ud
AC 40/40X80	1	1	80	40	2/0195	0,085
AC 40/40X120	1	1	120	40	2/0196	0,115

To mount AC coupler 5 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).

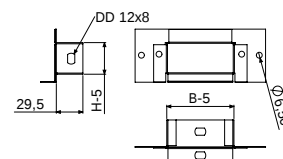


AC COUPLER CDT60



DESCRIPTION	UVM ud	UVE ud	GSE (Green)	
			REF.	kg/ud
AC 60/40X80	1	1	2/0197	0,13
AC 60/40X120	1	1	2/0198	0,17
AC 60/60X120	1	1	2/0199	0,13

To mount AC coupler 5 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).

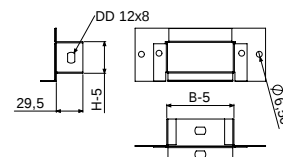


AC COUPLER CDT80



DESCRIPTION	UVM ud	UVE ud	GSE (Green)	
			REF.	kg/ud
AC 80/40X80	1	1	2/0200	0,17
AC 80/40X120	1	1	2/0201	0,24
AC 80/60X120	1	1	2/0202	0,25
AC 80/80X140	1	1	2/0203	0,25
AC 80/80X200	1	1	2/0204	0,21

To mount AC coupler 5 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).

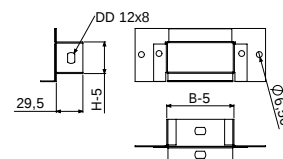


AC COUPLER CDT100



DESCRIPTION	UVM ud	UVE ud	GSE (Green)	
			REF.	kg/ud
AC 100/40X80	1	1	2/0205	0,37
AC 100/40X120	1	1	2/0206	0,24
AC 100/60X120	1	1	2/0207	0,38
AC 100/80X140	1	1	2/0208	0,31
AC 100/80X200	1	1	2/0209	0,44
AC 100/100X200	1	1	2/0210	0,37
AC 100/100X300	1	1	2/0211	0,76
AC 100/100X400	1	1	2/0212	0,39
AC 100/100X600	1	1	2/4867	0,54

To mount AC coupler 5 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).

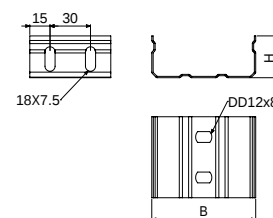


JUCT JOINT

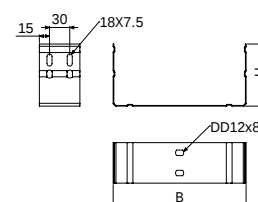


DESCRIPTION	UVM ud	UVE ud	GS	
			REF.	kg/ud
JUCT 40X80	1	1	2/0181	0,06
JUCT 40X120	1	1	2/0182	0,08
JUCT 60X120	1	1	2/0183	0,1
JUCT 80X140	1	1	2/0184	0,12
JUCT 80X200	1	1	2/0185	0,15
JUCT 100X200	1	1	2/0186	0,17
JUCT 100X300	1	1	2/0187	0,22
JUCT 100X400	1	1	2/5907	0,28
JUCT 100X600	1	1	2/0190	0,54

To mount JUCT 6 bolt sets with reference 2/4356 are needed (products packed in bags containing 100 units).



JUCT H80/120/140



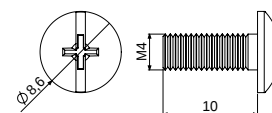
JUCT H200/300/400

M4X10 BOLT BAG 100



DESCRIPTION	UVM ud	UVE ud	CINCADO	
			REF.	kg/ud
M4X10 BOLT BAG 100	1	1	2/6818	0,25

This bolt is used to fix the covers from the trunkings.

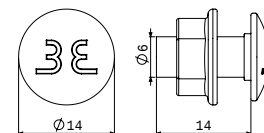


B1 BOLT SET



DESCRIPTION	UVM ud	UVE ud	Pap Nm	CINCADO	
				REF.	kg/ud
Pack 100 B1 Bolt Set M6x14	1	1	6	2/4356	1,00

The B1 bolt set consists of a M6x14 DIN603 mushroom head square neck bolt and a M6 DIN6923 flange nut with serration for a perfect fit. Used to mount all accessories from the BASORCANAL series.



BUPRENE JOINT



DESCRIPTION	UVM m	UVE m	BUPRENE	
			REF.	kg/m
BUPRENE JOINT	10	10	2/0227	0,03

The buprene joint is necessary to obtain IP65 degree of protection. Should be used in all elements of union.

BASORCANAL MOUNTS

JUCT JOINT



CPT HORIZONTAL BEND



CCCT VERTICAL



AC COUPLER



CDT JUNCTION BOX



END COVER



TRUNKING + SV SUPPORT



SV - page 137

SWL (kg) WALL SUPPORTS

PRODUCT		B (mm) horizontal support									
		50	100	150	200	300	400	500	600	750	Page
SCR		70	70	70	70	70	70	70	60	60	137

SWL (kg) CEILING SUPPORTS

PRODUCT		B (mm) horizontal support									
		50	100	150	200	300	400	500	600	750	Page
WALL BRACKET+PC+SCR		150	120	100	86	67	55	46	40	-	137

SWL (kg) WALL-FLOOR SPACER

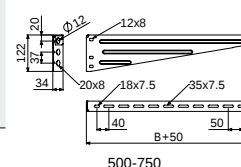
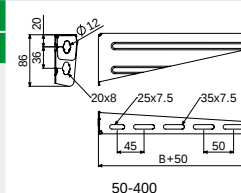
PRODUCT		B (mm) horizontal support									
		50	100	150	200	300	400	500	600	750	Page
SV		-	120	120	110	90	-	-	-	-	137

GREEN SCR SUPPORT



	UVM	UVE	B		GSE (Green)	
DESCRIPTION	ud	ud	mm	SWL (kg)	REF.	kg/ud
SCR 50 Support	1	75	50	70	2/0983	0,20
SCR 100 Support	1	60	100	70	2/0984	0,27
SCR 150 Support	1	10	150	70	2/0985	0,33
SCR 200 Support	1	10	200	70	2/0986	0,42
SCR 300 Support	1	10	300	70	2/1007	0,68
SCR 400 Support	1	10	400	70	2/1008	0,85
SCR 500 Support	1	10	500	70	2/1009	1,03
SCR 600 Support	1	10	600	60	2/1010	1,20
SCR 750 Support	1	5	750	60	2/1011	1,81

For more technical information, please consult page 211.



GREEN PC PROFILE



PC profile

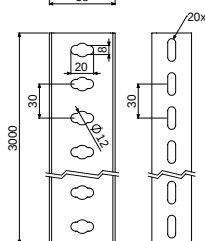
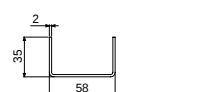


Wall bracket

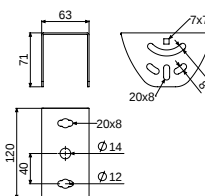
DESCRIPTION	UVM m/ud	UVE m/ud	L mm	GSE (Green)	
				REF.	kg/ud
PC 3000 Profile	3	18	3000	2/0230	2,05
WALL BRACKET Green	1	40	-	2/1118	0,27

To mount wall bracket with the PC profile 4 bolt sets reference 2/4356 are needed (products packed in bags containing 100).

For more technical information, please consult page 211.



PC profile



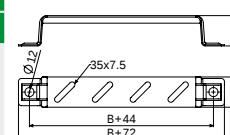
Wall bracket

GREEN SV SUPPORT



DESCRIPTION	UVM ud	UVE ud	B mm	SWL (kg)	GSE (Green)	
					REF.	kg/ud
SV 100 Support	1	50	100	120	2/1054	0,10
SV 150 Support	1	40	150	120	2/1055	0,12
SV 200 Support	1	42	200	110	2/1056	0,19
SV 300 Support	1	60	300	90	2/1057	0,25

For more technical information, please consult page 211.





SBT



PVC AND RLH RIGID CONDUITS

BASORTUB RE1250 Page 140

BASORTUB R1250 Page 140

BASORTUB Accessories Page 141

POLYAMIDE FLEXIBLE CONDUITS

BASORFLEX Page 142

BASORFLEX Accessories Page 143

- RE1250 and R1250 rigid conduits can be used in all kinds of superficial electrical systems with a minimum compression strength of 1250N.
- FLEXL flexible conduits have been designed to protect cables in robots, spinning tables, solar trackers and, generally speaking, machines which are in constant movement.

BASORTUB

PVC7035 / RLH7035 / PA6



The range of BASORTUB RE1250 RLH7035 self-assembly products has a service temperature of between -5 and 90° C, an IP54 degree of protection, a minimum compression strength of 1250N and a minimum impact resistance of 6J to -5° C. Its dielectric rigidity is higher than 2000 V and its insulating resistance is higher than 100 MOhm. Its classification, according to Standard IEC 61386 is 44221254010.

The range of BASORTUB RE1250 PVC7035 self-assembly products has a service temperature of -5 to 60° C, an IP54 degree of protection, a minimum compression strength of 1250N and a minimum impact resistance of 2J to -5° C. Its dielectric rigidity is higher than 2000 V and its insulating resistance is higher than 100 MOhm. Its classification, according to Standard IEC 61386 is 43211254010.

RE 1250 HALOGEN-FREE BASORTUB

DESCRIPTION	UVM m	UVE m	DN mm	UNE-EN 61386	Rcomp N	IP	Rimp J	Tmin °C	Tmax °C	RLH7035	
										REF.	kg/m
RE1250 16	3	57	16	4422	1250	54	6	-5	90	2/6453	0,07
RE1250 20	3	57	20	4422	1250	54	6	-5	90	2/6454	0,10
RE1250 25	3	57	25	4422	1250	54	6	-5	90	2/6455	0,13
RE1250 32	3	30	32	4422	1250	54	6	-5	90	2/6456	0,19
RE1250 40	3	30	40	4422	1250	54	6	-5	90	2/6457	0,24
RE1250 50	3	15	50	4422	1250	54	6	-5	90	2/6458	0,37
RE1250 63	3	15	63	4422	1250	54	6	-5	90	2/6459	0,49

No couplers are needed.

R 1250 HALOGEN-FREE BASORTUB

DESCRIPTION	UVM m	UVE m	DN mm	UNE-EN 61386	Rcomp N	Rimp J	Tmin °C	Tmax °C	RLH7035	
									REF.	kg/m
R1250 16	3	57	16	4422	1250	6	-5	90	2/6768	0,07
R1250 20	3	57	20	4422	1250	6	-5	90	2/6769	0,10
R1250 25	3	57	25	4422	1250	6	-5	90	2/6770	0,13
R1250 32	3	30	32	4422	1250	6	-5	90	2/6771	0,19
R1250 40	3	30	40	4422	1250	6	-5	90	2/6772	0,24
R1250 50	3	15	50	4422	1250	6	-5	90	2/6773	0,37
R1250 63	3	15	63	4422	1250	6	-5	90	2/6774	0,49

Each stretch requires a JUR 1250 coupler.

R 1250 PVC BASORTUB

DESCRIPTION	UVM m	UVE m	DN mm	UNE-EN 61386	Rcomp N	Rimp J	Tmin °C	Tmax °C	PVC7035	
									REF.	kg/m
R1250 16	3	57	16	4321	1250	2	-5	60	2/6460	0,07
R1250 20	3	57	20	4321	1250	2	-5	60	2/6461	0,14
R1250 25	3	57	25	4321	1250	2	-5	60	2/6462	0,24
R1250 32	3	30	32	4321	1250	2	-5	60	2/6463	0,26
R1250 40	3	30	40	4321	1250	2	-5	60	2/6464	0,33
R1250 50	3	15	50	4321	1250	2	-5	60	2/6465	0,37
R1250 63	3	15	63	4321	1250	2	-5	60	2/6466	0,66

Each stretch requires a JUR 1250 coupler.

JUR 1250 BASORTUB



DESCRIPTION	UVM ud	UVE ud	DN mm	IP	RLH7035	
					REF.	kg/ud
JUR1250 16	10	10	16	40	2/6732	0,01
JUR1250 20	10	10	20	40	2/6733	0,01
JUR1250 25	10	10	25	40	2/6734	0,01
JUR1250 32	10	10	32	40	2/6735	0,02
JUR1250 40	5	5	40	40	2/6736	0,03
JUR1250 50	5	5	50	40	2/6737	0,04
JUR1250 63	-	-	63	40	2/6738	0,05

CP90R1250 BASORTUB BEND



DESCRIPTION	UVM ud	UVE ud	DN mm	IP	RLH7035	
					REF.	kg/ud
CP90R1250 16	10	10	16	41	2/6739	0,01
CP90R1250 20	10	10	20	41	2/6740	0,02
CP90R1250 25	10	10	25	41	2/6741	0,04
CP90R1250 32	5	5	32	41	2/6742	0,07
CP90R1250 40	2	2	40	41	2/6743	0,10
CP90R1250 50	2	2	50	41	2/6744	0,18
CP90R1250 63	1	1	63	41	2/6745	0,28

CFR1250 BASORTUB FLEXIBLE BEND



DESCRIPTION	UVM ud	UVE ud	DN mm	IP	RLH7035	
					REF.	kg/ud
CFR1250 16	1	1	16	41	2/6819	0,08
CFR1250 20	1	1	20	41	2/6820	0,10
CFR1250 25	1	1	25	41	2/6821	0,11
CFR1250 32	1	1	32	41	2/6822	0,12
CFR1250 40	1	1	40	41	2/6823	0,13
CFR1250 50	1	1	50	41	2/6824	0,14

MCR1250 BASORTUB CONNECTION BOX



DESCRIPTION	UVM ud	UVE ud	DN mm	IP	RLH7035	
					REF.	kg/ud
MCR1250 16	10	10	16	65	2/6746	0,02
MCR1250 20	10	10	20	65	2/6747	0,02
MCR1250 25	10	10	25	65	2/6748	0,03
MCR1250 32	10	10	32	65	2/6749	0,04
MCR1250 40	5	5	40	65	2/6750	0,08
MCR1250 50	5	5	50	65	2/6751	0,09
MCR1250 63	1	1	63	65	2/6752	0,1

SPR1250 BASORTUB WALL SUPPORT



DESCRIPTION	UVM ud	UVE ud	DN mm	F kg	RLH7035	
					REF.	kg/ud
SPR1250 16	10	10	16	3	2/6753	0,01
SPR1250 20	10	10	20	3	2/6754	0,01
SPR1250 25	10	10	25	3	2/6755	0,01
SPR1250 32	10	10	32	3	2/6756	0,01
SPR1250 40	10	10	40	3	2/6757	0,01
SPR1250 50	10	10	50	3	2/6758	0,02
SPR1250 63	1	1	63	3	2/6759	0,02

ABR1250 BASORTUB WALL CLAMP



DESCRIPTION	UVM ud	UVE ud	DN mm	F kg	RLH7035	
					REF.	kg/ud
ABR1250 16/32	100	100	16/32	15	2/6760	0,01
ABR1250 20/63	100	100	20/63	15	2/6761	0,01

BASORTUB FLEX nylon products (PA6, PA6VO and PA12) are self-extinguishing, highly fire resistant, have a low level of smoke, a low toxicity and are halogen, sulphur and phosphate-free.

They are ideal for protecting conductors in flexible electrical systems in industrial and tertiary sectors. Its classification, according to Standard IEC 61386 is 2432.

PA6 BASORFLEX POLYAMIDE FLEXL

DESCRIPTION	UVM m	UVE m	Dint mm	Dext mm	UNE-EN 61386	Rcomp N	Rimp J	Tmin °C	Tmax °C	PA6-7016		PA6-9011	
										REF.	kg/m	REF.	kg/m
FLEXL 7/10	50	50	7	10	2432	320	6	-20	120	2/6517	0,02	2/6526	0,02
FLEXL 10/13	50	50	10	13	2432	320	6	-20	120	2/6518	0,02	2/6527	0,02
FLEXL 12/16	50	50	12	16	2432	320	6	-20	120	2/6519	0,04	2/6528	0,04
FLEXL 14/18	50	50	14	18	2432	320	6	-20	120	2/6520	0,04	2/6529	0,04
FLEXL 17/21	50	50	17	21	2432	320	6	-20	120	2/6521	0,06	2/6530	0,06
FLEXL 23/28	50	50	23	18	2432	320	6	-20	120	2/6522	0,08	2/6531	0,08
FLEXL 29/34	50	50	29	34	2432	320	6	-20	120	2/6523	0,10	2/6532	0,10
FLEXL 36/42	25	25	36	42	2432	320	6	-20	120	2/6524	0,16	2/6533	0,16
FLEXL 48/54	25	25	48	54	2432	320	6	-20	120	2/6525	0,20	2/6534	0,20

PA12 BASORFLEX POLYAMIDE FLEXS

DESCRIPTION	UVM m	UVE m	Dint mm	Dext mm	UNE-EN 61386	Rcomp N	Rimp J	Tmin °C	Tmax °C	PA12-7016		PA6-9011	
										REF.	kg/m	REF.	kg/m
FLEXS 10/13	50	50	10	13	1353	125	2	-45	105	2/6583	0,02	2/6590	0,02
FLEXS 12/16	50	50	12	16	1353	125	2	-45	105	2/6584	0,04	2/6591	0,04
FLEXS 17/21	50	50	17	21	1353	125	2	-45	105	2/6585	0,06	2/6592	0,06
FLEXS 22/28	50	50	22	28	1353	125	2	-45	105	2/6586	0,08	2/6593	0,08
FLEXS 28/34	50	50	28	34	1353	125	2	-45	105	2/6587	0,10	2/6594	0,10
FLEXS 35/42	25	25	35	42	1353	125	2	-45	105	2/6588	0,16	2/6595	0,16
FLEXS 47/54	25	25	47	54	1353	125	2	-45	105	2/6589	0,20	2/6596	0,20

RFLEX PG CONNECTOR



DESCRIPTION	UVM ud	UVE ud	Dext mm	Thread PG	UNE-EN 61386	Rcomp N	Rimp J	Tmin °C	Tmax °C	PA6-7016		PA6-9011	
										REF.	kg/ud	REF.	kg/ud
RFLEX 10PG07 CONNECTOR	10	10	10	7	1353	125	2	-45	105	2/6597	0,004	2/6608	0,004
RFLEX 13PG09 CONNECTOR	10	10	13	9	1353	125	2	-45	105	2/6598	0,007	2/6609	0,007
RFLEX 16PG11 CONNECTOR	10	10	16	11	1353	125	2	-45	105	2/6599	0,010	2/6610	0,010
RFLEX 16PG13 CONNECTOR	10	10	16	13	1353	125	2	-45	105	2/6600	0,010	2/6611	0,010
RFLEX 18PG13 CONNECTOR	10	10	18	13	1353	125	2	-45	105	2/6601	0,012	2/6612	0,012
RFLEX 21PG13 CONNECTOR	10	10	21	13	1353	125	2	-45	105	2/6602	0,012	2/6613	0,012
RFLEX 21PG16 CONNECTOR	10	10	21	16	1353	125	2	-45	105	2/6603	0,012	2/6614	0,012
RFLEX 28PG21 CONNECTOR	10	10	28	21	1353	125	2	-45	105	2/6604	0,027	2/6615	0,027
RFLEX 34PG29 CONNECTOR	10	10	34	29	1353	125	2	-45	105	2/6605	0,033	2/6616	0,033
RFLEX 42PG36 CONNECTOR	2	2	42	36	1353	125	2	-45	105	2/6606	0,060	2/6617	0,060
RFLEX 54PG48 CONNECTOR	2	2	54	48	1353	125	2	-45	105	2/6607	0,085	2/6618	0,085

RFLEX M CONNECTOR



DESCRIPTION	UVM ud	UVE ud	Dext mm	Thread M	UNE-EN 61386	Rcomp N	Rimp J	Tmin °C	Tmax °C	PA6-7016		PA6-9011	
										REF.	kg/ud	REF.	kg/ud
RFLEX 10M12 CONNECTOR	10	10	10	12	1353	125	2	-45	105	2/6639	0,01	2/6650	0,01
RFLEX 13M16 CONNECTOR	10	10	13	16	1353	125	2	-45	105	2/6640	0,01	2/6651	0,01
RFLEX 16M16 CONNECTOR	10	10	16	16	1353	125	2	-45	105	2/6641	0,01	2/6652	0,01
RFLEX 16M20 CONNECTOR	10	10	16	20	1353	125	2	-45	105	2/6642	0,02	2/6653	0,02
RFLEX 18M20 CONNECTOR	10	10	18	20	1353	125	2	-45	105	2/6643	0,02	2/6654	0,02
RFLEX 21M20 CONNECTOR	10	10	21	20	1353	125	2	-45	105	2/6644	0,02	2/6655	0,02
RFLEX 28M25 CONNECTOR	10	10	28	25	1353	125	2	-45	105	2/6645	0,03	2/6656	0,03
RFLEX 34M32 CONNECTOR	10	10	34	32	1353	125	2	-45	105	2/6646	0,04	2/6657	0,04
RFLEX 42M40 CONNECTOR	2	2	42	40	1353	125	2	-45	105	2/6647	0,07	2/6658	0,07
RFLEX 54M50 CONNECTOR	2	2	54	50	1353	125	2	-45	105	2/6648	0,10	2/6659	0,10
RFLEX 54M63 CONNECTOR	2	2	54	63	1353	125	2	-45	105	2/6649	0,10	2/6660	0,10

Included nut.

RFLEX 90 PG CONNECTOR



DESCRIPTION	UVM ud	UVE ud	Dext mm	Thread PG	Rcomp N	Rimp J	Tmin °C	Tmax °C	PA6-7016		PA6-9011	
									Referencia	kg/ud	Referencia	kg/ud
RFLEX90 10PG07 CONNECTOR	10	10	10	7	125	2	-45	105	2/6619	0,01	2/6629	0,01
RFLEX90 13PG09 CONNECTOR	10	10	13	9	125	2	-45	105	2/6620	0,02	2/6630	0,02
RFLEX90 16PG11 CONNECTOR	10	10	16	11	125	2	-45	105	2/6621	0,02	2/6631	0,02
RFLEX90 16PG13 CONNECTOR	10	10	16	13	125	2	-45	105	2/6622	0,02	2/6632	0,02
RFLEX90 21PG13 CONNECTOR	10	10	21	13	125	2	-45	105	2/6623	0,02	2/6633	0,02
RFLEX90 21PG16 CONNECTOR	10	10	21	16	125	2	-45	105	2/6624	0,02	2/6634	0,02
RFLEX90 28PG21 CONNECTOR	10	10	28	21	125	2	-45	105	2/6625	0,04	2/6635	0,04
RFLEX90 34PG29 CONNECTOR	5	5	34	29	125	2	-45	105	2/6626	0,06	2/6636	0,06
RFLEX90 42PG36 CONNECTOR	2	2	42	36	125	2	-45	105	2/6627	0,10	2/6637	0,10
RFLEX90 54PG48 CONNECTOR	2	2	54	48	125	2	-45	105	2/6628	0,15	2/6638	0,15

RFLEX 90 M CONNECTOR



DESCRIPTION	UVM ud	UVE ud	Dext mm	Thread M	Rcomp N	Rimp J	Tmin °C	Tmax °C	PA6-7016		PA6-9011	
									REF.	kg/ud	REF.	kg/ud
RFLEX90 10M12 CONNECTOR	10	10	10	12	125	2	-45	105	2/6661	0,01	2/6671	0,01
RFLEX90 13M16 CONNECTOR	10	10	13	16	125	2	-45	105	2/6662	0,02	2/6672	0,02
RFLEX90 16M16 CONNECTOR	10	10	16	16	125	2	-45	105	2/6663	0,02	2/6673	0,02
RFLEX90 16M20 CONNECTOR	10	10	16	20	125	2	-45	105	2/6664	0,02	2/6674	0,02
RFLEX90 21M20 CONNECTOR	10	10	21	20	125	2	-45	105	2/6665	0,02	2/6675	0,02
RFLEX90 28M25 CONNECTOR	10	10	28	25	125	2	-45	105	2/6666	0,04	2/6676	0,04
RFLEX90 34M32 CONNECTOR	5	5	34	32	125	2	-45	105	2/6667	0,06	2/6677	0,06
RFLEX90 42M40 CONNECTOR	2	2	42	40	125	2	-45	105	2/6668	0,10	2/6678	0,10
RFLEX90 54M50 CONNECTOR	2	2	54	50	125	2	-45	105	2/6669	0,15	2/6679	0,15
RFLEX90 54M63 CONNECTOR	2	2	54	63	125	2	-45	105	2/6670	0,16	2/6680	0,16

Included nut.

RFLEX 45 PG CONNECTOR



DESCRIPTION	UVM ud	UVE ud	Dext mm	Thread PG	PA6-7016		PA6-9011	
					REF.	kg/ud	REF.	kg/ud
RFLEX45 16PG11 CONNECTOR	50	50	16	11	2/6709	0,02	2/6714	0,02
RFLEX45 16PG13 CONNECTOR	50	50	16	13	2/6710	0,02	2/6715	0,02
RFLEX45 21PG16 CONNECTOR	50	50	21	16	2/6711	0,02	2/6716	0,02
RFLEX45 28PG21 CONNECTOR	50	50	28	21	2/6712	0,03	2/6717	0,03
RFLEX45 34PG29 CONNECTOR	10	10	34	29	2/6713	0,05	2/6718	0,05

RFLEX 45 M CONNECTOR



DESCRIPTION	UVM ud	UVE ud	Dext mm	Thread M	PA6-7016		PA6-9011	
					REF.	kg/ud	REF.	kg/ud
RFLEX45 16M16 CONNECTOR	50	50	16	16	2/6719	0,02	2/6724	0,02
RFLEX45 16M20 CONNECTOR	50	50	16	20	2/6720	0,02	2/6725	0,02
RFLEX45 21M20 CONNECTOR	50	50	21	20	2/6721	0,02	2/6726	0,02
RFLEX45 28M25 CONNECTOR	50	50	28	25	2/6722	0,03	2/6727	0,03
RFLEX45 34M32 CONNECTOR	10	10	34	32	2/6723	0,05	2/6728	0,05

Included nut.

RIGID TO FLEXIBLE CONDUIT ADAPTOR



DESCRIPTION	UVM ud	UVE ud	FLEX mm	Rigid mm	PA6-7016		PA6-9011	
					REF.	kg/ud	REF.	kg/ud
RFLEXRF 16M16 ADAPTOR	50	50	12/16	16	2/6699	0,01	2/6704	0,01
RFLEXRF 21M20 ADAPTOR	50	50	17/21	20	2/6700	0,01	2/6705	0,01
RFLEXRF 28M25 ADAPTOR	50	50	23/28	25	2/6701	0,01	2/6706	0,01
RFLEXRF 34M32 ADAPTOR	20	20	29/34	32	2/6702	0,01	2/6707	0,01
RFLEXRF 42M40 ADAPTOR	10	10	35/42	40	2/6703	0,02	2/6708	0,02

SPFLEX WALL SUPPORT

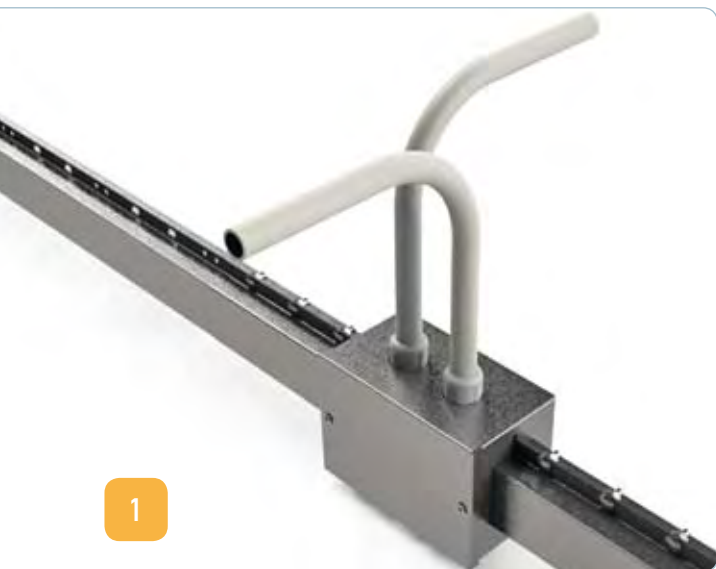


DESCRIPTION	UVM ud	UVE ud	Dext mm	PA6-7016		PA6-9011	
				REF.	kg/ud	REF.	kg/ud
SPFLEX 10 SUPPORT	10	10	10	2/6681	0,01	2/6690	0,01
SPFLEX 13 SUPPORT	10	10	13	2/6682	0,01	2/6691	0,01
SPFLEX 16 SUPPORT	10	10	16	2/6683	0,01	2/6692	0,01
SPFLEX 18 SUPPORT	10	10	18	2/6684	0,01	2/6693	0,01
SPFLEX 21 SUPPORT	10	10	21	2/6685	0,01	2/6694	0,01
SPFLEX 28 SUPPORT	10	10	28	2/6686	0,01	2/6695	0,01
SPFLEX 34 SUPPORT	10	10	34	2/6687	0,01	2/6696	0,01
SPFLEX 42 SUPPORT	5	5	42	2/6688	0,02	2/6697	0,02
SPFLEX 54 SUPPORT	5	5	54	2/6689	0,02	2/6698	0,02

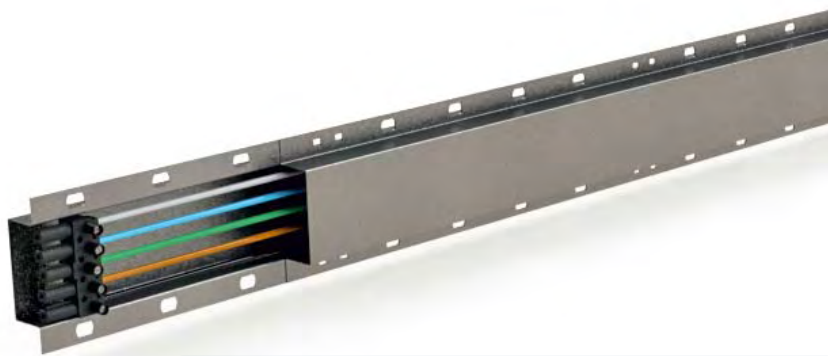
RFLEX PG NUT



DESCRIPTION	UVM ud	UVE ud	Dext PG	PA6-7016	
				REF.	kg/ud
RFLEX PG07 NUT	100	100	7	0/0908	0,01
RFLEX PG09 NUT	100	100	9	0/0909	0,01
RFLEX PG11 NUT	100	100	11	0/0910	0,01
RFLEX PG13 NUT	100	100	13	0/0911	0,01
RFLEX PG16 NUT	100	100	16	0/0912	0,01
RFLEX PG21 NUT	100	100	21	0/0913	0,01
RFLEX PG29 NUT	100	100	29	0/0914	0,01
RFLEX PG36 NUT	100	100	36	0/0915	0,01
RFLEX PG48 NUT	100	100	48	0/0916	0,01



1



3



2



4

1. ADAPTING HEAD + MCR1250 + R1250 + BUSBAR-TRUNKING
2. BUSBAR-TRUNKING + BUSBAR-TRUNKING SUPPORT + VR8
3. END COVER + MCR1250 + R1250
4. 3FN SOCKET
5. BUSBAR-TRUNKING + END COVER + RFLEX + FLEXL
6. BUSBAR-TRUNKING + METALLIC STRAP

CEP

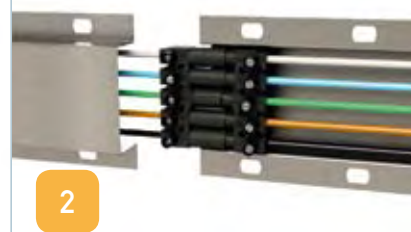


BASORTRUNKING- BUSBAR SYSTEM

ADVANTAGES	Page 148
REGULATIONS	Page 148
RANGE OF MODELS	Page 149
TECHNICAL CHARACTERISTICS	Page 150
ACCESSORIES	Page 151

- BASOR ELECTRIC's busbar trunking system has been designed for the correct distribution of electrical energy in lighting systems for industries, premises, warehouses and shopping centres.
- It's manufactured in lengths of 3 m and 5 m in pregalvanised steel with drilled flanges at sides which allow them a quickly and comfortably installation suspended from ceiling and also lighting device can be suspended from this trunking. These busbar trunkings is used with 13 A sealed plugs.

BASORTRUNKING



- 1 3FN Plug with fuse
- 2 Electrical connection
- 3 Two mounted pieces

DESCRIPTION

Busbar trunking systems have been designed for the correct distribution of electrical energy in lighting systems for industries, premises, warehouses and shopping centres. They are manufactured in lengths of 3 m and 5 m in pregalvanised steel with drilled flanges at the sides which allow them a quickly and comfortably suspended from ceiling and also lighting device can be suspended from this trunking. These trunkings is used with 13 A sealed plugs.

ADVANTAGES

Busbar trunking systems have a great advantage, which is that they are supplied completely assembled. Just plug in and they're ¡READY!. BASORTRUNKING allows a lighting device to be suspended directly from trunking systems, cutting assembly time (see save suspended loads table). Other advantages include:

- The plug has a fuse which acts as a protector against short circuits to allow for a quick detection of breakdowns, which reduces considerably the time needed for repair.
- The busbar trunking system's housing confers it a great resistance to flexion, and the stapling between the two housings grants a sealing degree of IP5X.

REGULATIONS

- The busbar trunking system's manufacturing is subject to a series of comprehensive quality controls, all of which are described in the company's quality management system, in accordance with Standard UNE-EN ISO 9001.
- Electrified busbars have been designed and tested in accordance with Standard UNE-EN-60439 Parts 1 and 2.

RANGE OF MODELS

Series A

		Length of 3 m FN socket 3 cables 1 plug / 2 plugs A20 A202
--	--	--

Series B

		Length of 3 m 3FN socket 5 cables 1 plug / 2 plugs B20 B202 B25 B40
--	--	---

Series C

		Length of 5 m FN socket 5 cables 3 plugs C20
--	--	--

Series E

	FN socket 3FN socket Length of 3 m 3FN and FN (emergency) socket 7 cables 1 plug / 2 plugs E202 E25
--	---

MODELS

Model	Description	Ref.	Number of active conductors	In (A)	Area Cu conductors (mm ²)	Frequency (Hz)	Numbers of plugs	Plug type	Emergency	Length (m)	Weight per stretch (Kg)
B20	MTS.BASORTRUNKING 3FN25 5PGS L3	2/6775	4	20	2,5	50	1	3FN	No	3	3,97
B202	MTS.BASORTRUNKING 3FN25 2T 5PGS L3	2/6777	4	20	2,5	50	2	3FN	No	3	4,05
E202	MTS.BASORTRUNKING 3FN25+E 2T 5PGS L3	2/6788	4	20	2,5	50	2+1	3FN+FN	Si	3	4,35
C20	MTS.BASORTRUNKING 3FN25 3PGS L5	2/0385	4	20	2,5	50	3	FN	No	5	6,78
A20	MTS.BASORTRUNKING FN25 3PGS L3	2/6478	2	20	2,5	50	1	FN	No	3	3,74
A202	MTS.BASORTRUNKING FN25 2T 3PGS L3	2/6778	2	20	2,5	50	2	FN	No	3	3,81
B25	MTS.BASORTRUNKING 3FN40 5PGS L3	2/6789	4	25	4	50	1	3FN	No	3	4,14
E25	MTS.BASORTRUNKING 3FN40+E 5PGS L3	2/6790	4	25	4	50	1+1	3FN+FN	Si	3	4,51
B40	MTS.BASORTRUNKING 3FN60 5PGS L3	2/6791	4	40	6	50	1	3FN	No	3	5,47

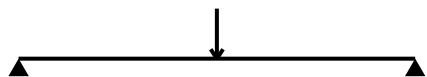
TECHNICAL CHARACTERISTICS

• Sealing degree:

In accordance with Standard UNE 20324 for the degrees of protection provided by enclosures, our busbar trunking system is classified as IP 5X, where the first digit indicates the unit's protection against the intrusion of solid objects.

• Maximum save suspended loads:

The save suspended working load depends on the distance between supports, as illustrated in the table.



For a maximum deflection of 1/350 of the distance between supports

Maximum save load					
Distance between supports (m)	2	2,25	2,5	2,75	3
Concentrated load (Kg)	30	27	24	21	17

• Voltage drop:

The values included in the table correspond to a unitary voltage drop, should the power supply only enter the system from one side of the busbar trunking system and if the load is distributed along the whole of the line.

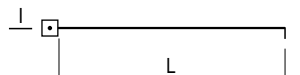
Model	Ref.	Unitary voltage drop [V/A.km] at 40°C		
		Cos φ=0,8	Cos φ=0,9	Cos φ=1
MTS.BASORTRUNKING 3FN25 5PGS L3	2/6775	5,62	6,30	6,95
MTS.BASORTRUNKING 3FN25 2T 5PGS L3	2/6777	5,70	6,40	7,06
MTS.BASORTRUNKING 3FN25+E 2T 5PGS L3	2/6788	5,70/5,62(E)	6,40/6,30(E)	7,06/6,95(E)
MTS.BASORTRUNKING 3FN25 3PGS L5	2/0385	5,73	6,43	7,09
MTS.BASORTRUNKING FN25 3PGS L3	2/6478	5,59	6,27	6,92
MTS.BASORTRUNKING FN25 2T 3PGS L3	2/6778	5,67	6,36	7,02
MTS.BASORTRUNKING 3FN40 5PGS L3	2/6789	3,51	3,93	4,33
MTS.BASORTRUNKING 3FN40+E 5PGS L3	2/6790	3,51/3,51(E)	3,93/3,93(E)	4,33/4,33(E)
MTS.BASORTRUNKING 3FN60 5PGS L3	2/6791	2,36	2,64	2,89

The Unitary Voltage Drop being: $e_u = k \cdot (e/L \cdot I)$

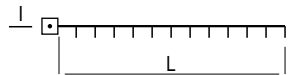
e_u ,	unitary voltage drop in volts
e ,	voltage drop in volts
L ,	length of the cable tray in km
I ,	service intensity in amps
k ,	current distribution factor

Depending on the circuit's type of power supply and on the distribution of the electric loads, a current distribution factor (k) is applied.

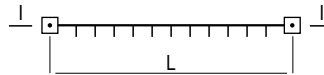
$k=1$ Power supplied from one side and load at the end of the busbar



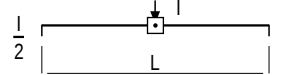
$K=0.5$ Power supplied from one side and load distributed along the busbar



$K=0.25$ Power supplied from both sides and loads distributed along the busbar



$K=0.25$ Power supplied from the center and loads until the end of both sides



$K=0.125$ Power supplied from the center and loads distributed along the busbar.



ACCESSORIES

Accessory	Und./pack	Ref.
Trunking support	1	2/5534
Adapting head	1	2/0400
End cover	1	2/0401
FN Plug with fuse	1	2/0402
3FN Plug with fuse	1	2/6513
FN Socket	1	1/0436
3FN Socket	1	1/2365
Fuse	1	2/0404



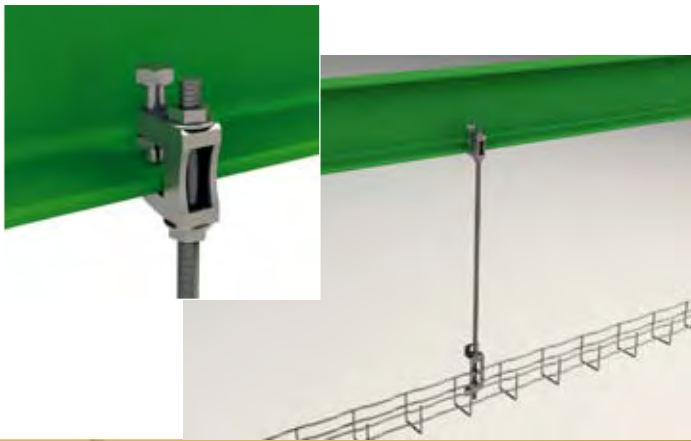
3FN Mobile connexion

Characteristics:

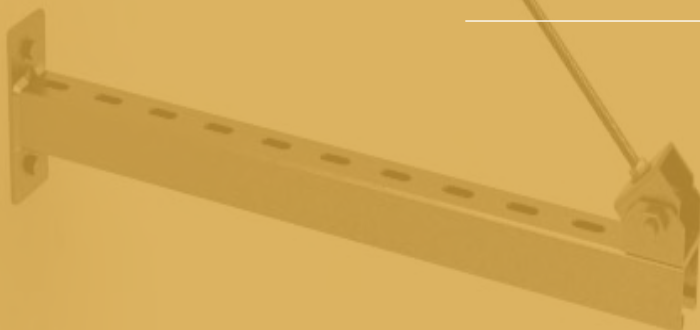
Each plug has a fuse which acts as a protector against short circuits.

The three phases are installed in each base, allowing the user to choose the desired phase by modifying the connector's position in the plug.





ACC





INSTALLATION ACCESORIES AND ASSEMBLY SYSTEMS

ASSEMBLY SYSTEMS 41/82	Page 154
ASSEMBLY PROFILES	Page 162
WALL FIXATION PROFILES	Page 164
FASTENERS TO BEAM	Page 165
THREADED ELEMENTS	Page 166
ANCHORS FOR CONCRETE	Page 168
FASTENERS TO CONDUIT	Page 169

- ACC assembly systems are a family of different solutions of profiles, threaded rods' accessories and beam accessories.

INSTALLATION ASSEMBLY

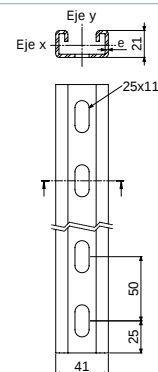
ACCESSORIES SYSTEMS

41X21 PROFILE



DESCRIPTION	UVM m	UVE m	e mm	A cm2	Wx cm3	Wy cm3	GS		GC	
							REF.	kg/m	REF.	kg/m
41X21X1,5	3	3	1,5	1,4	0,8	1,9	2/6366	1,26	-	1,35
41X21X2,5	3	3	2,5	2,1	1,1	2,7	2/0235	1,71	2/0236	1,8

For more technical information, please consult page 211.

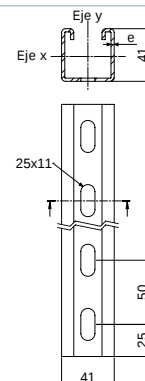


41X21 PROFILE



DESCRIPTION	UVM m	UVE m	e mm	A cm2	Wx cm3	Wy cm3	GS		GC	
							REF.	kg/m	REF.	kg/m
41X41X1,5	3	3	1,5	2,0	2,1	2,9	2/6365	1,67	-	1,79
41X41X2,5	3	3	2,5	3,1	3,2	4,5	2/0233	2,53	2/0234	2,66

For more technical information, please consult page 211.

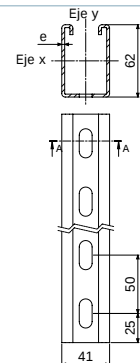


61X41 PROFILE



DESCRIPTION	UVM m	UVE m	e mm	A cm2	Wx cm3	Wy cm3	GS		GC	
							REF.	kg/m	REF.	kg/m
62X41X2,5	3	3	2,5	4,2	6,1	6,4	-	4,42	-	4,54

For more technical information, please consult page 211.

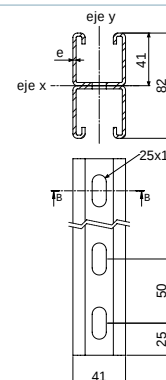


81X41 PROFILE



DESCRIPTION	UVM m	UVE m	e mm	A cm2	Wx cm3	Wy cm3	CINCADO		GC	
							REF.	kg/m	REF.	kg/m
82X41X2,5	3	3	2,5	6,9	9,5	9,1	-	5,05	2/5573	5,31

For more technical information, please consult page 211.



FLOOR OR CEILING HEADS



41x41 HEAD



82x41 HEAD



41x41 BASE SUPPORT



41x41 L BASE SUPPORT



41x82 ARTICULATE GUSSET



H 41x82

CONNECTION BETWEEN PROFILES



41x82 ADAPTABLE CROSS



41x82 T ADAPTABLE JOINT



VR ADJUSTABLE SET



A 41x82



B 41x82



C 41x82



D 41x82



E 41x82



F 41x82



G 41x82

ACCESSORIES



PVC CAP



SPRING NUT



NON-SLIPPERY NUT



TWIRL STUD NUT

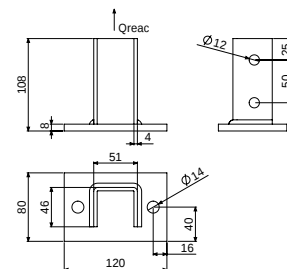


BOLTS

41X41 HEAD



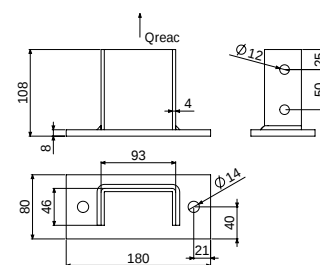
DESCRIPTION	UVM ud	UVE ud	Qreac kg	Pap N-m	GC	
					REF.	kg/ud
41X41 HEAD	1	1	700	40	2/5622	0,83



81X41 HEAD



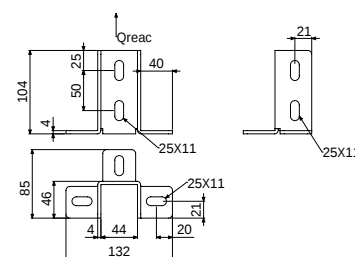
DESCRIPTION	UVM ud	UVE ud	Qreac kg	Pap N-m	GC	
					REF.	kg/ud
82X41 HEAD	1	1	1100	40	2/5574	1,44



41X41 BASE SUPPORT



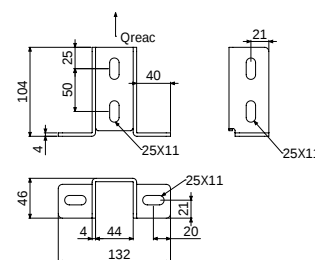
DESCRIPTION	UVM ud	UVE ud	Qreac kg	Pap N-m	GC	
					REF.	kg/ud
41X41 BASE SUPPORT	1	1	700	40	2/6471	0,51



41X41 L BASE SUPPORT



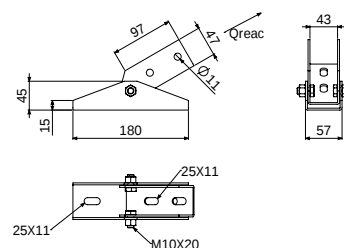
DESCRIPTION	UVM ud	UVE ud	Qreac kg	Pap N-m	GC	
					REF.	kg/ud
41X41 L BASE SUPPORT	1	1	600	40	2/6472	0,44



41x82 ARTICULATED GUSSET



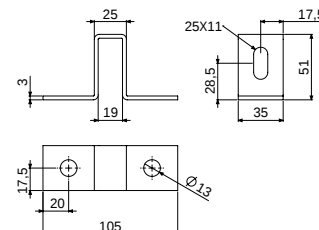
DESCRIPTION	UVM ud	UVE ud	Qreac kg	Pap N-m	GC	
					REF.	kg/ud
41x82 ARTICULATED GUSSET	1	1	1000	40	2/6475	0,82



SP UNION SUPPORT



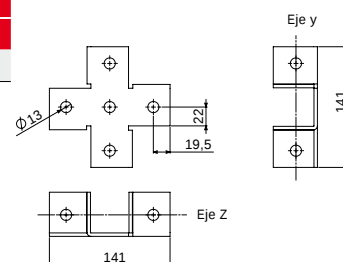
DESCRIPTION	UVM ud	UVE ud	Pap N-m	GC	
				REF.	kg/ud
SP UNION SUPPORT	1	1	20	2/6476	0,15



41x82 ADAPTABLE CROSS



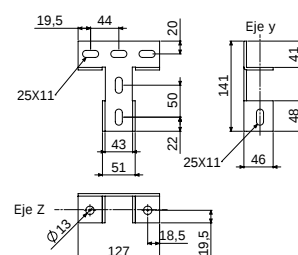
DESCRIPTION	UVM ud	UVE ud	Reducc z	Reducc y	Pap N-m	GC	
						REF.	kg/ud
41x82 ADAPTABLE CROSS	1	1	0%	0%	40	2/6473	0,56



41x82 T ADAPTABLE JOINT



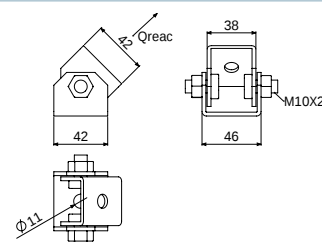
DESCRIPTION	UVM ud	UVE ud	Reducc z	Reducc y	Pap N-m	GC	
						REF.	kg/ud
41x82 T ADAPTABLE JOINT	1	1	0%	0%	40	2/6474	0,51



VR ADJUSTABLE SET



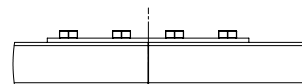
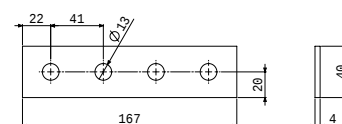
DESCRIPTION	UVM ud	UVE ud	Qreac kg	Pap N-m	GC	
					REF.	kg/ud
VR ADJUSTABLE SET	1	1	500	20	2/6477	0,51



A 41X82



DESCRIPTION	UVM ud	UVE ud	Reducc z	Pap N-m	GC	
					REF.	kg/ud
A 41/82	1	110	20%	40	2/6311	0,2

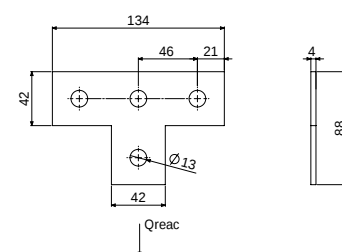


Eje z

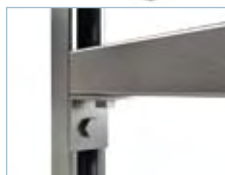
B 41X82



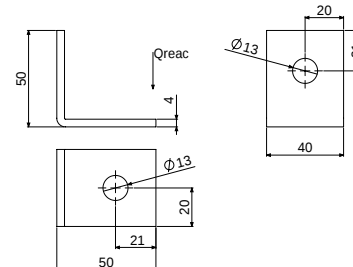
DESCRIPTION	UVM ud	UVE ud	Qreacc kg	Pap N-m	GC	
					REF.	kg/ud
B 41/82	1	60	350	40	2/6312	0,23



C 41X82



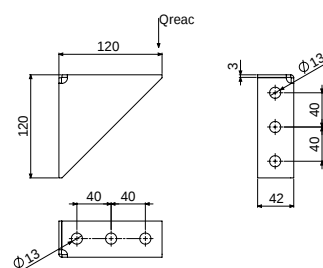
DESCRIPTION	UVM ud	UVE ud	Qreacc kg	Pap N-m	GC	
					REF.	kg/ud
C 41/82	1	1	350	40	2/6313	0,11



D 41X82



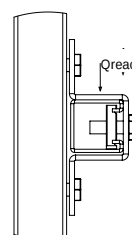
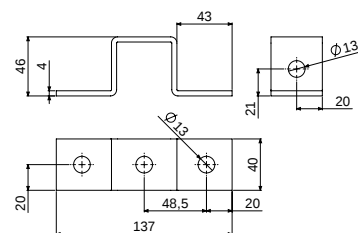
DESCRIPTION	UVM ud	UVE ud	Qreacc kg	Pap N-m	GC	
					REF.	kg/ud
D 41/82	1	40	1.050	40	2/6314	0,36



E 41X82



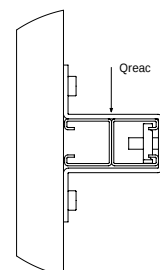
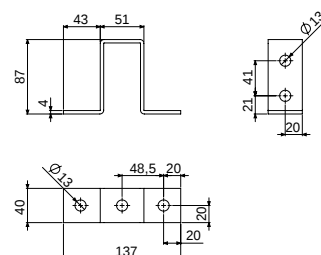
DESCRIPTION	UVM ud	UVE ud	Qreacc kg	Pap N-m	GC	
					REF.	kg/ud
E 41/82	1	40	700	40	2/6315	0,25



F 41X82



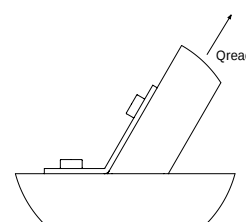
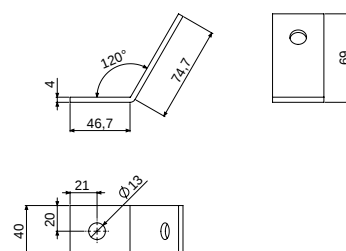
DESCRIPTION	UVM ud	UVE ud	Qreacc kg	Pap N-m	GC	
					REF.	kg/ud
F 41/82	1	25	700	40	2/6316	0,35



G 41X82



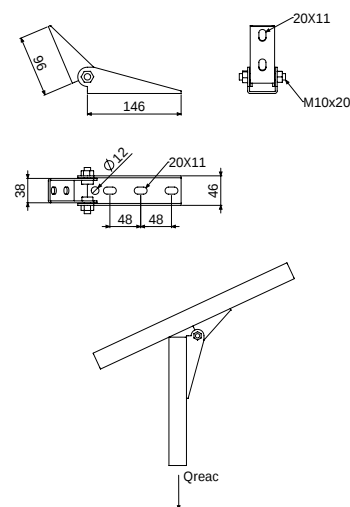
DESCRIPTION	UVM ud	UVE ud	Qreacc kg	Pap N-m	GC	
					REF.	kg/ud
G 41/82	1	1	250	40	2/6317	0,11



H 41X82



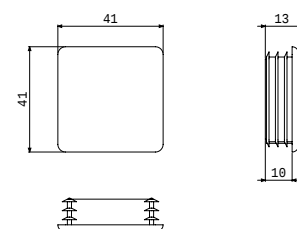
DESCRIPTION	UVM ud	UVE ud	Qreacc kg	Pap N-m	GC	
					REF.	kg/ud
H 41/82	1	1	800	40	2/6948	0,72



PVC CAP



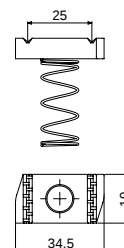
DESCRIPTION	UVM ud	UVE ud	PVC	
			REF.	kg/ud
41X41 PVC CAP	100	100	2/5627	0,01



SPRING NUT



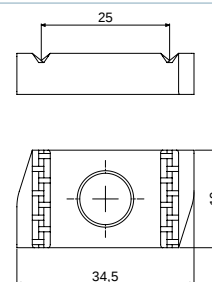
DESCRIPTION	UVM ud	UVE ud	Qtrac kg	Qcort kg	CINCADO	
					REF.	kg/ud
SPRING NUT M6	100	100	300	150	0/0427	0,03
SPRING NUT M8	100	100	500	350	0/0455	0,03
SPRING NUT M10	100	100	500	500	0/0336	0,04



NON-SLIPPERY NUT



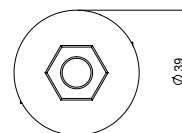
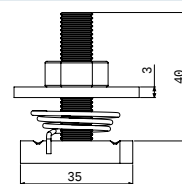
DESCRIPTION	UVM ud	UVE ud	Qtrac kg	Qcort kg	CINCADO	
					REF.	kg/ud
NON-SLIPPERY NUT M8	100	100	500	350	0/0494	0,03
NON-SLIPPERY NUT M10	100	100	500	500	2/5543	0,03



TWIRL STUD NUT



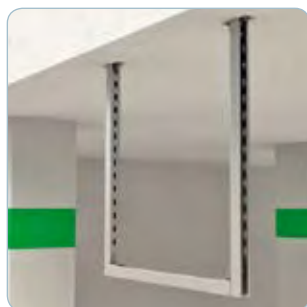
DESCRIPTION	UVM	UVE	Qtrac	Qcort	CINCADO	
	ud	ud	kg	kg	REF.	kg/ud
TWIRL STUD NUT M8	100	100	500	350	-	0,10
TWIRL STUD NUT M10	100	100	500	500	0/0907	0,10



BOLTS



DESCRIPTION	UVM	UVE	Pap	CINCADO		I304	
	ud	ud	N-m	REF.	kg/ud	REF.	kg/ud
BOLT DIN 933 M10X30 D8.8	100	100	40	0/0512	0,03	0/0320	0,03
BOLT DIN 933 M8X20 D8.8	100	100	25	0/0310	0,03	0/0318	0,03
BOLT DIN 912 M8X70 D8.8	100	100	25	0/0930	0,05	0/0939	0,05
BOLT DIN 912 M8X55 D8.8	100	100	25	0/0940	0,04	0/0941	0,04
BOLT DIN 933 M6X20 D8.8	100	100	10	0/0727	0,02	0/0330	0,02

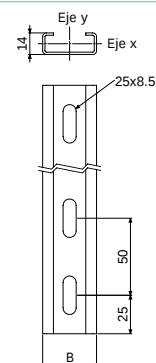


RA PROFILE



DESCRIPTION	UVM m	UVE m	B mm	e mm	A cm ²	Wx cm ³	Wy cm ³	GS		GC	
								REF.	kg/m	REF.	kg/m
RA 35	3	30	35	1,5	0,9	0,28	1,00	2/0237	0,79	2/0238	0,869
RA 50	3	30	50	1,5	1,1	0,30	1,68	2/0239	0,99	2/0240	1,089

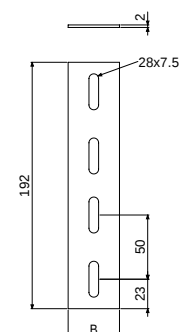
For more technical information, please consult page 211.



RA JOINT PLATE



DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
UNION RA 35	1	200	2/1122	0,07	2/1123	0,08
UNION RA 50	1	150	2/1124	0,11	2/3473	0,12

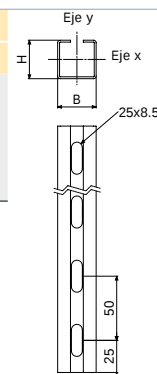


CT PROFILE



DESCRIPTION	UVM m	UVE m	B mm	H mm	e mm	A cm ²	Wx cm ³	Wy cm ³	GS		GC		BICRO	
									REF.	kg/m	REF.	kg/m	REF.	kg/m
CT 40x20 L3	3	24	40	20	1,5	12,5	0,65	1,63	2/4471	0,99	2/0246	1,09	-	-
CT 40x20 L2	2	24	40	20	1,5	12,5	0,65	1,63	-	-	-	-	2/2067	1,09
CT 30x30 L3	3	24	30	30	1,5	14,0	1,11	1,49	2/6784	1,08	2/6785	1,19	-	-
CT 20x10 L2	2	40	20	10	1,5	3,6	0,09	0,25	2/0242	0,34	-	-	2/0241	0,38

For more technical information, please consult page 211.

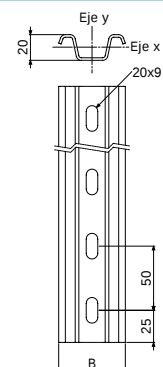


SVO PROFILE



DESCRIPTION	UVM m	UVE m	e mm	A cm ²	Wx cm ³	Wy cm ³	GS		GC	
							REF.	kg/m	REF.	kg/m
SVO PROFILE	3	24	1,5	1,5	0,6	1,4	2/5313	1,20	2/5443	1,32

For more technical information, please consult page 211.

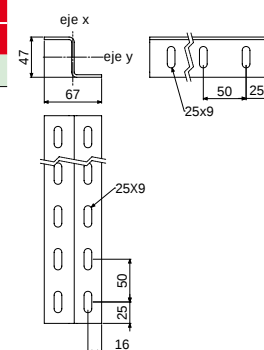


Z PROFILE

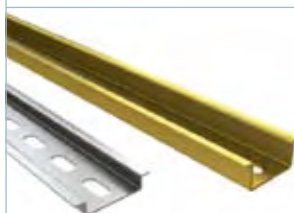


DESCRIPTION	UVM	UVE	e	A	Wx	Wy	GS		GC	
	m	m	mm	cm ²	cm ³	cm ³	REF.	kg/m	REF.	kg/m
Z PROFILE	3	3	3	2,5	1,7	4,0	-	2,21	2/6406	2,30

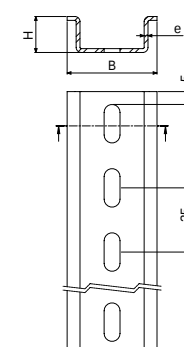
For more technical information, please consult page 211.



OMEGA DIN-RAIL



DESCRIPTION	UVM	UVE	e	GS		BICRO	
	m	m	mm	REF.	kg/m	REF.	kg/m
HIGH OMEGA	2	40	2	2/0248	0,36	2/0247	0,36
LOW OMEGA	2	40	2	2/0250	0,69	2/0249	0,70



SVP AB SUPPORT

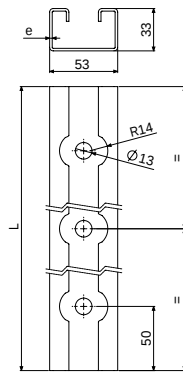


DESCRIPTION	UVM ud	UVE ud	e mm	L mm	GC	
					REF.	kg/ud
SVP AB L500	1	1	2	500	2/3633	1,26
SVP AB L700	1	1	2	700	2/5953	1,76
SVP AB L800	1	1	2	800	2/4958	1,98
SVP AB L1000	1	1	2	1000	2/6340	2,50

This support is designed for mounting directly to wall easy.

The openings on the open side of the profile facilitates the use of tools.

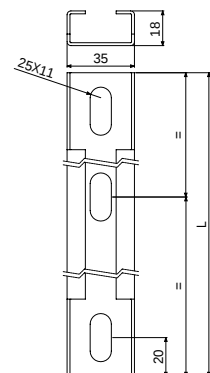
The model 500 dose not have the central drill.



PB PROFILE



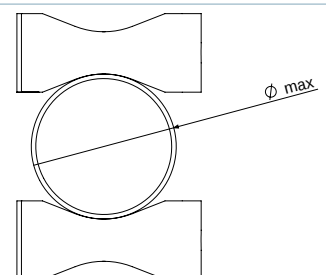
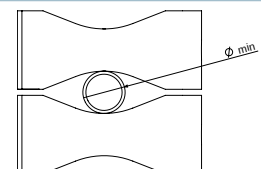
DESCRIPTION	UVM ud	UVE ud	e mm	L mm	GS		GC	
					REF.	kg/ud	REF.	kg/ud
PB 800 PROFILE	1	1	1,5	800	2/3648	0,73	2/3649	0,80
PB 1000 PROFILE	1	1	1,5	1000	2/6370	0,92	2/5959	1,01



PB CLAMP



DESCRIPTION	UVM ud	UVE ud	Ømin mm	Ømáx mm	NYLON	
					REF.	kg/ud
CLAMP 14-48 NYLON	1	1	14	48	2/6993	0,05
CLAMP 24-72 NYLON	1	1	24	72	2/6994	0,07



SVP 500



SVP 800



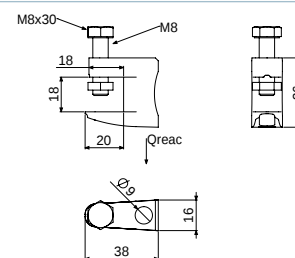
MOUNT CLAMPS ON RAIL



BEAM CLAMP VR8



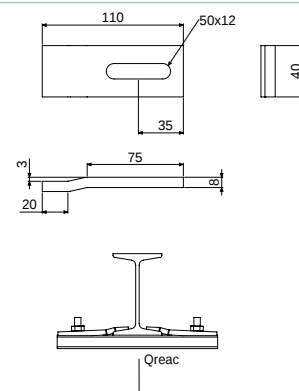
DESCRIPTION	UVM ud	UVE ud	Qreac kg	CINCADO	
				REF.	kg/ud
BEAM CLAMP VR8	1	1	120	2/6816	0,08



BEAM-PROFILE CLAMP



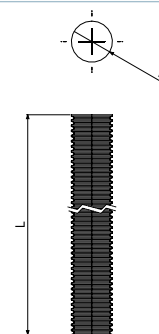
DESCRIPTION	UVM ud	UVE ud	Qreac kg	GC	
				REF.	kg/ud
BEAM-PROFILE CLAMP	1	1	1000	2/5624	0,17



THREADED ROD



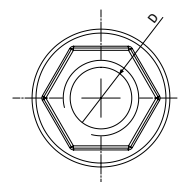
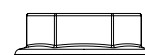
DESCRIPTION	UVM ud	UVE ud	Qtrac kg	CINCADO	
				REF.	kg/ud
THREADED ROD M6 L1	10	100	400	0/0678	0,32
THREADED ROD M8 L1	10	50	800	2/3397	0,35
THREADED ROD M10 L1	10	10	1400	2/5535	0,59
THREADED ROD M12 L2	10	10	2500	2/6502	1,64
CONNECTOR M6	1	1	-	2/6323	0,03
CONNECTOR M8	1	1	-	2/4462	0,04



NUT AND WASHER DIN6923



DESCRIPTION	UVM ud	UVE ud	CINCADO	
			REF.	kg/ud
NUT M6 DIN6923	100	100	0/0337	0,01
NUT M8 DIN6923	100	100	0/0338	0,01



BOLTS

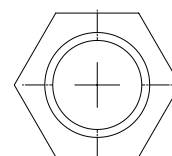


DESCRIPTION	UVM ud	UVE ud	Pap N-m	CINCADO		I304	
				REF.	kg/ud	REF.	kg/ud
BOLT DIN 933 M10X30 D8.8	100	100	40	0/0512	0,03	0/0320	0,03
BOLT DIN 933 M8X20 D8.8	100	100	25	0/0310	0,03	0/0318	0,03
BOLT DIN 912 M8X70 D8.8	100	100	25	0/0930	0,05	0/0939	0,05
BOLT DIN 912 M8X55 D8.8	100	100	25	0/0940	0,04	0/0941	0,04
BOLT DIN 933 M6X20 D8.8	100	100	10	0/0727	0,02	0/0330	0,02

NUT DIN934



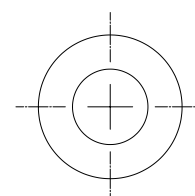
DESCRIPTION	UVM ud	UVE ud	CINCADO		I304	
			REF.	kg/ud	REF.	kg/ud
NUT M6 DIN934	100	100	0/0710	0,01	-	0,01
NUT M8 DIN934	100	100	0/0339	0,01	0/0344	0,01
NUT M10 DIN934	100	100	0/0340	0,01	0/0343	0,01



WASHER DIN125



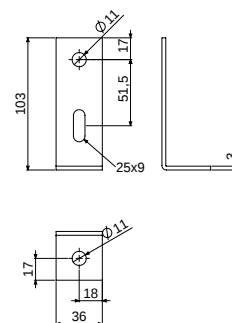
DESCRIPTION	UVM ud	UVE ud	CINCADO		I304	
			REF.	kg/ud	REF.	kg/ud
WASHER M6 DIN125	100	100	0/0711	0,01	-	0,01
WASHER M8 DIN125	100	100	0/0292	0,01	0/0299	0,01
WASHER M10 DIN125	100	100	0/0649	0,01	0/0294	0,01



SBL



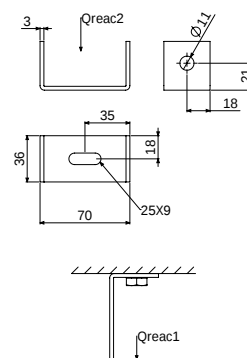
DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
SBL	1	1	2/0351	0,11	2/0361	0,12



SBC



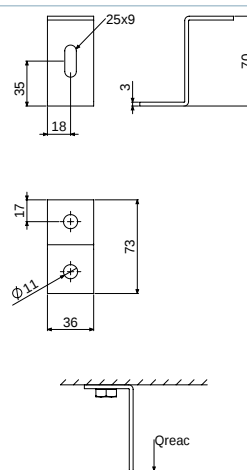
DESCRIPTION	UVM ud	UVE ud	Qreac 1 kg	Qreac 2 kg	GS		GC	
					REF.	kg/ud	REF.	kg/ud
SBC	1	1	40	40	2/0352	0,11	2/0362	0,12



SBZ



DESCRIPTION	UVM ud	UVE ud	Qreac kg	GS		GC	
				REF.	kg/ud	REF.	kg/ud
SBZ	1	1	35	2/0354	0,11	2/0364	0,12

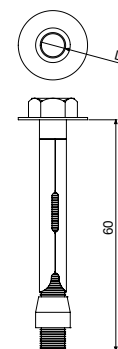


CCM BASORFIX ANCHOR



DESCRIPTION	UVM ud	UVE ud	M mm	L mm	Qtrac kg	CINCADO	
						REF.	kg/ud
CCM BASORFIX ANCHOR 6x60	100	100	6	60	180	2/6419	0,03
CCM BASORFIX ANCHOR 8x60	100	100	8	60	225	2/6420	0,04

Concrete load values.

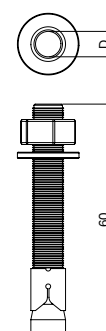


SCM BASORFIX ANCHOR



DESCRIPTION	UVM ud	UVE ud	D mm	L mm	Qtrac kg	CINCADO	
						REF.	kg/ud
SCM BASORFIX ANCHOR 10x70	100	100	10	70	340	2/4672	0,05
SCM BASORFIX ANCHOR 12x75	100	100	12	75	780	2/6258	0,08

Concrete load values.

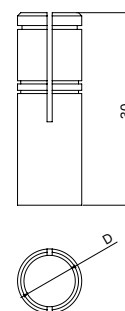


CM BASORFIX ANCHOR



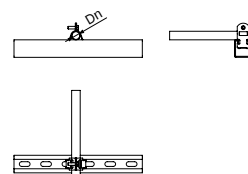
DESCRIPTION	UVM ud	UVE ud	D mm	Qtrac kg	CINCADO	
					REF.	kg/ud
CM BASORFIX ANCHOR 6x30	100	100	6	280	2/6468	0,01
CM BASORFIX ANCHOR 8x30	100	100	8	370	2/6469	0,01

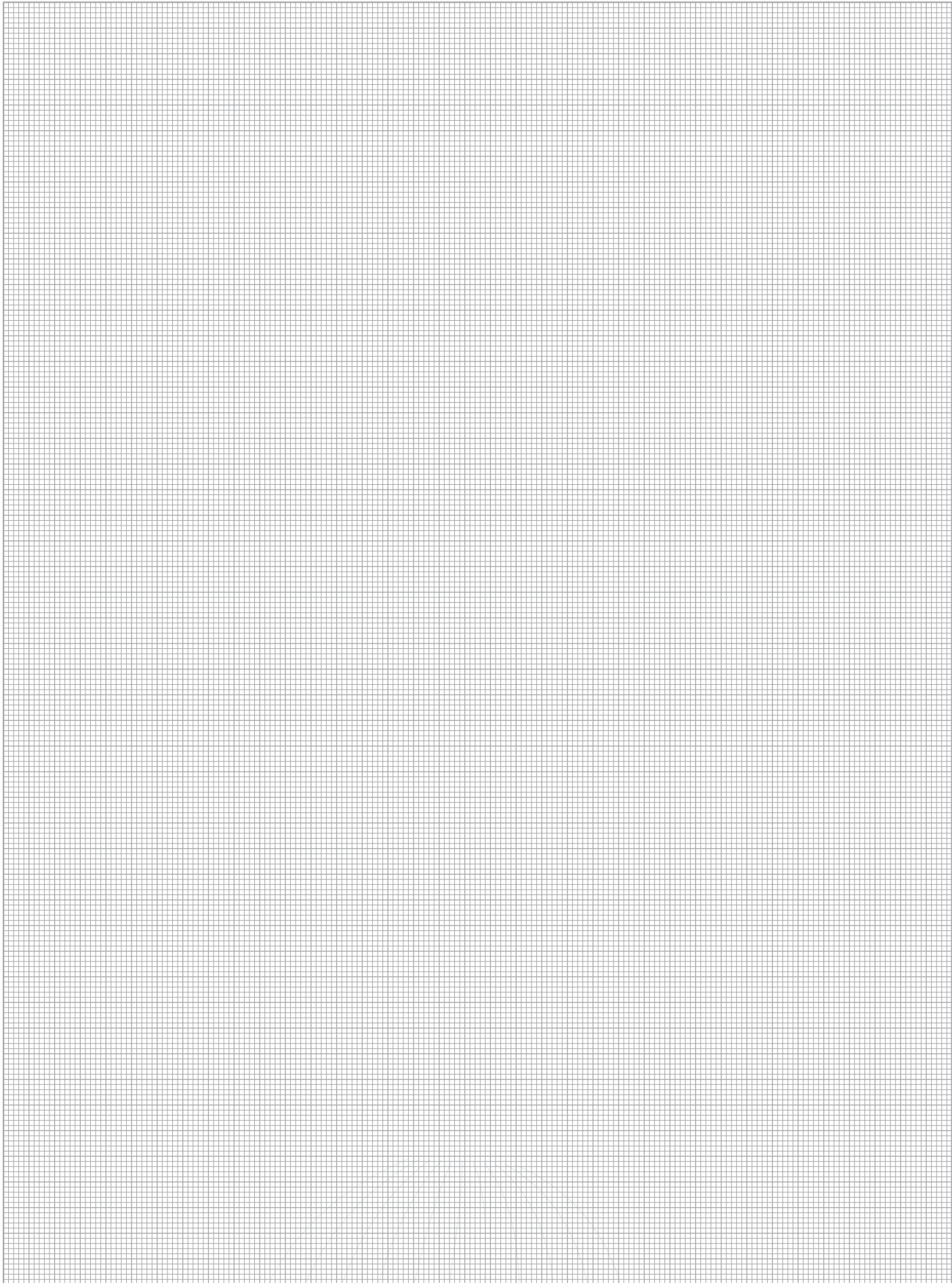
Concrete load values.

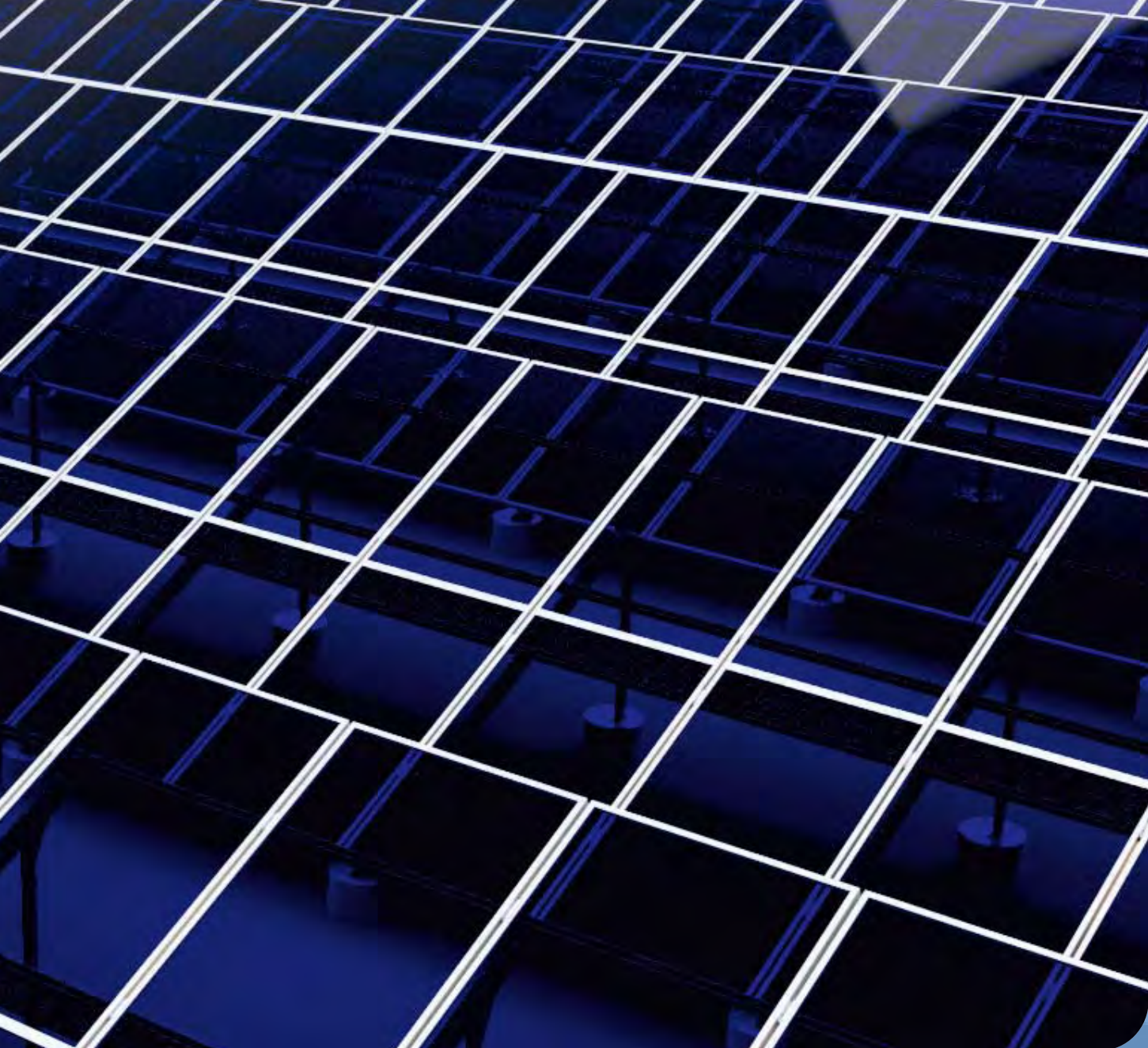


FIXING CONDUIT CLAMP

	DESCRIPTION	UVM ud	UVE ud	DN mm	GC	
					REF.	kg/ud
	FIXING CONDUIT CLAMP 20 FOR 41/82	100	100	20	2/6811	0,06
	FIXING CONDUIT CLAMP 25 FOR 41/82	100	100	25	2/6812	0,07
	FIXING CONDUIT CLAMP 32 FOR 41/82	100	100	32	2/6813	0,08
	FIXING CONDUIT CLAMP 40 FOR 41/82	100	100	40	2/6814	0,09
	FIXING CONDUIT CLAMP 50 FOR 41/82	100	100	50	2/6815	0,10







SOLAR

SOLAR ENERGY FIXED STRUCTURES

BASOR'S SOLUTION	Page 172
CLASSIFICATION	Page 173
FLOOR SYSTEMS	Page 173
ROOF SYSTEMS	Page 175
ASSEMBLY ACCESSORIES	Page 176
SOLAR EXCLUSIVE PRODUCTS	Page 179

BASOR'S SOLUTION

BASOR is a company which specialises in the manufacturing, designing and supplying of structures for electrical cable tray systems, water and air systems and photovoltaic panel systems, and which has more than 30 years of experience in the electrical sector. We have a projects department which is always ready to help you carry out your project for setting up a photovoltaic energy system.

We offer you advice for the construction and assembly of photovoltaic panel structures, calculating the necessary profiles, the distance between supports and the necessary elements for the correct set-up of the system.

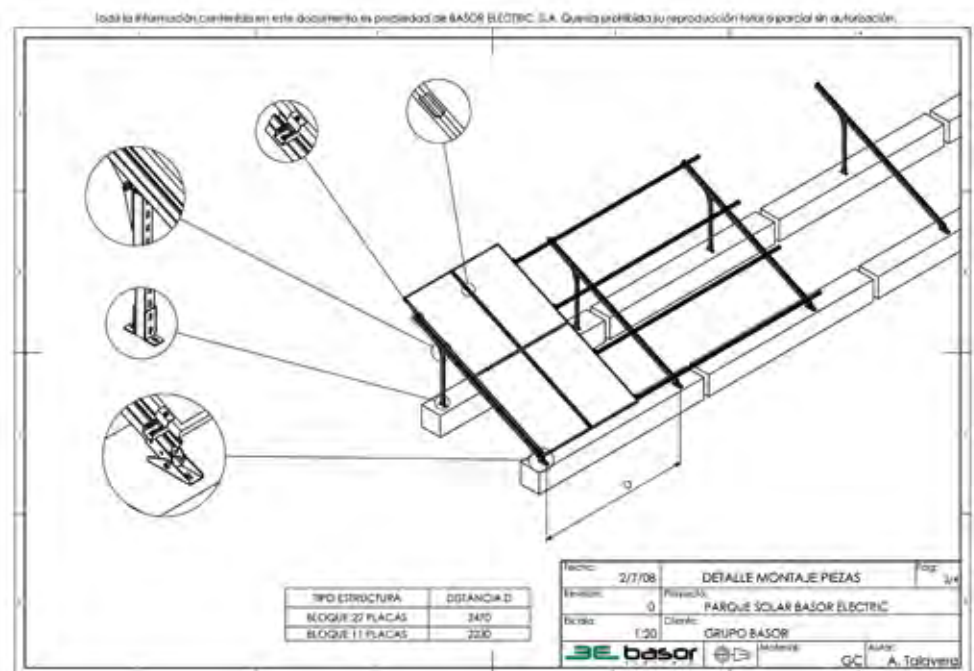


We render you the services which you might need:

- Any calculations relating to the structures, in accordance with the standard on "Basic Analysis on Structural Safety" or "Eurocode".
- Plans.
- Necessary materials.
- Cutting of profiles to minimise costs.

Moreover, for structures of more than 500 KWp, by way of our technical department, we design custom made structures, minimising the set-up costs.

BASOR recommends hot dip galvanised steel solutions¹, as it's the solution which offers the best relationship between the resistance and cost of the material.



All of the materials of the structure have been designed to guarantee the functioning of the system throughout the whole of its useful life.

The materials used in the structure of photovoltaic panels are manufactured in hot dip galvanized steel, all bolts are made of A2 stainless steel and fixation elements are made of aluminium.

¹ For more information regarding the treatment of surfaces, please consult the Technical Appendix.

CLASSIFICATION

BASOR has developed different systems which cover all the needs of photovoltaic parks.

Systems are divided into:

- Floor systems
- Roof systems

FLOOR SYSTEMS

All photovoltaic assemblies depend on their surroundings, as they are capable of reducing the production capabilities of the system.

Therefore, depending on the possibility of the existence of plants and herbs, we shall classify the solutions depending on the kind of floor in which the system is going to be set up.

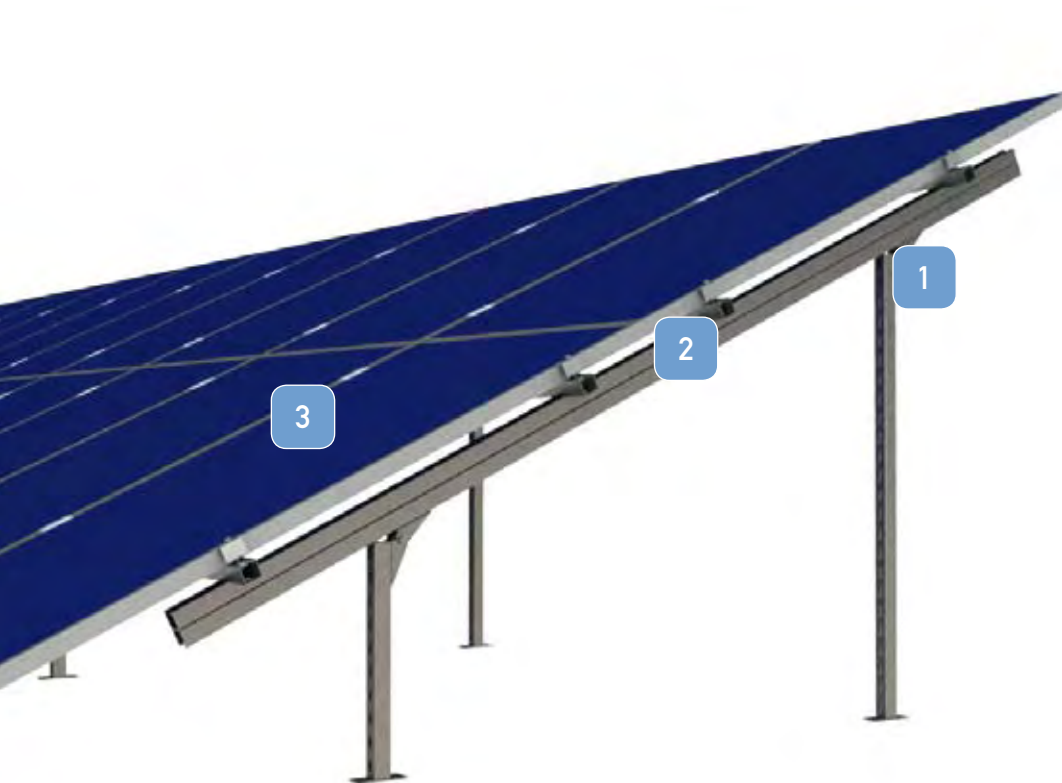
- Systems placed on land without organic matter: It's not necessary to elevate the structure, as there is no chance of plants/herbs growing and reducing the system's output.
- Systems placed on land with organic matter: The solar structure has to be elevated by placing micropiles, longitudinal or transverse bases or, simply, with the aid of the own structure. The recommended height depends on the percentage of matter contained in the ground, but the minimum recommended height is of 300 mm.



Example of a structure on land without organic matter



Example of a structure on land which has been elevated with the aid of micropiles



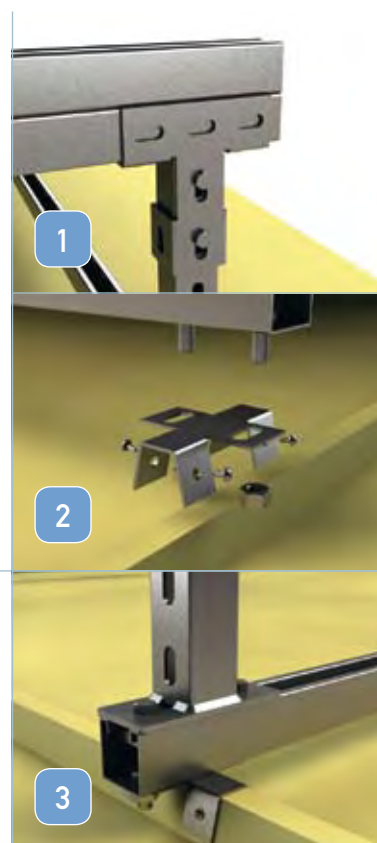
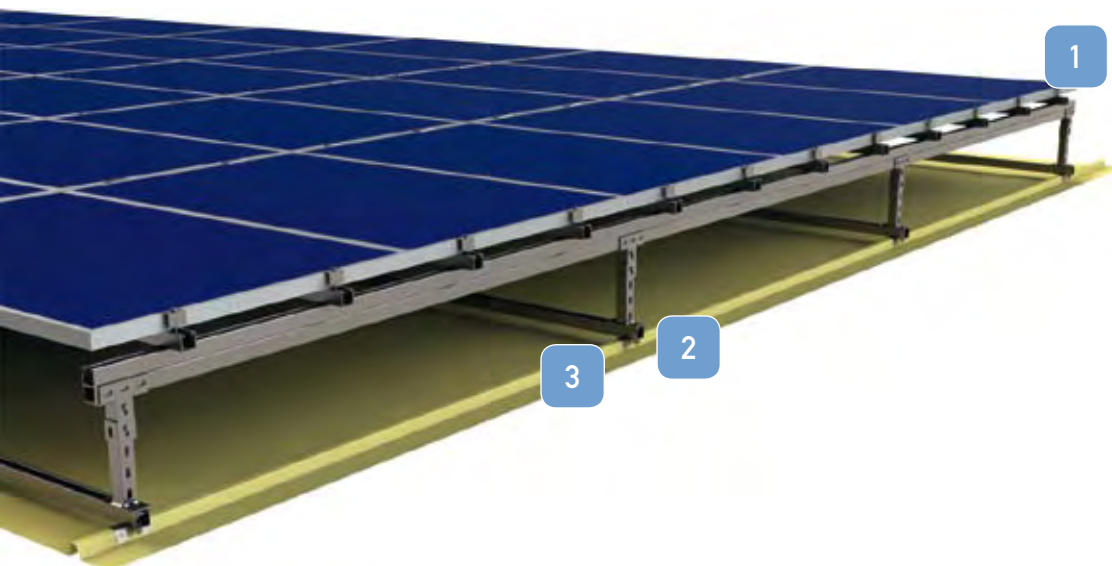
Example of a structure on land with organic matter which has been elevated by way of the main structure

ROOF SYSTEMS

In roof systems, the first thing which has to be verified is that the roof is prepared to support the load of the structure itself and of actions such as wind, snow and earth tremor for which it has been calculated.

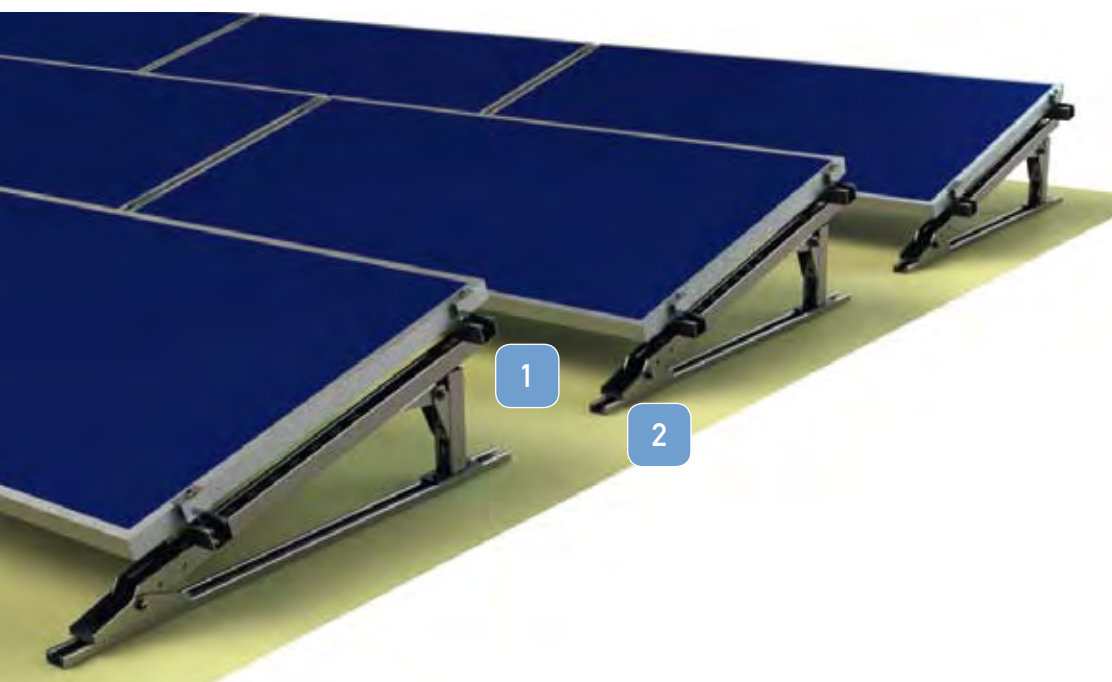
BASOR has designed two types of solutions depending on the kind of roof:

- **Sandwich roof assemblies** The structure's solution has to contemplate fixing the structure to the nerves of the sandwich panel and fixing a rail over it which acts as a base for the structure. As the structure's orientation depends on the position of the premises and on the roof's slope, there are many cases in which we must supplement the sandwich piece with an additional piece in order to obtain the desired angle.



Example of a parallel planes structure fixed on a sandwich roof

- **Assemblies on flat roofs** The structure is very similar to the one used for floor assemblies without organic matter, but its main feature is the profile which joins both legs and which allows fixing the structure to the roof.



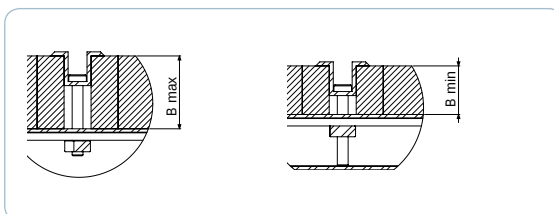
Example of a structure with only one plate assembled on a flat surface

ASSEMBLY ACCESSORIES

PHOTOVOLTAIC MODULE'S FIXATION SYSTEM

BASOR recommends fixing the solar panels with 4 supporting points, in order to avoid movements.

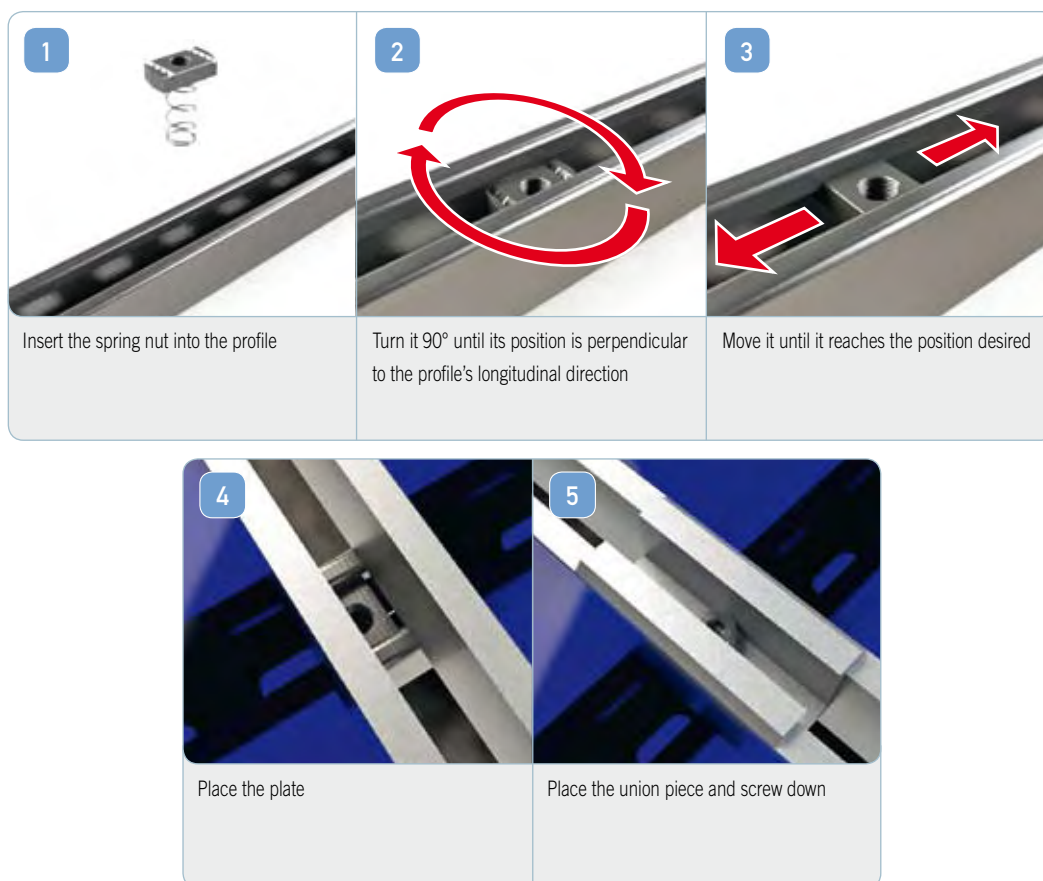
The panel's fixations are manufactured in extruded aluminium and the bolts used have an M8x55 y M8x70 DIN 912 allen head. The dimensions of the panel's edge estimated for standard bolts are of 36 mm to 49 mm.



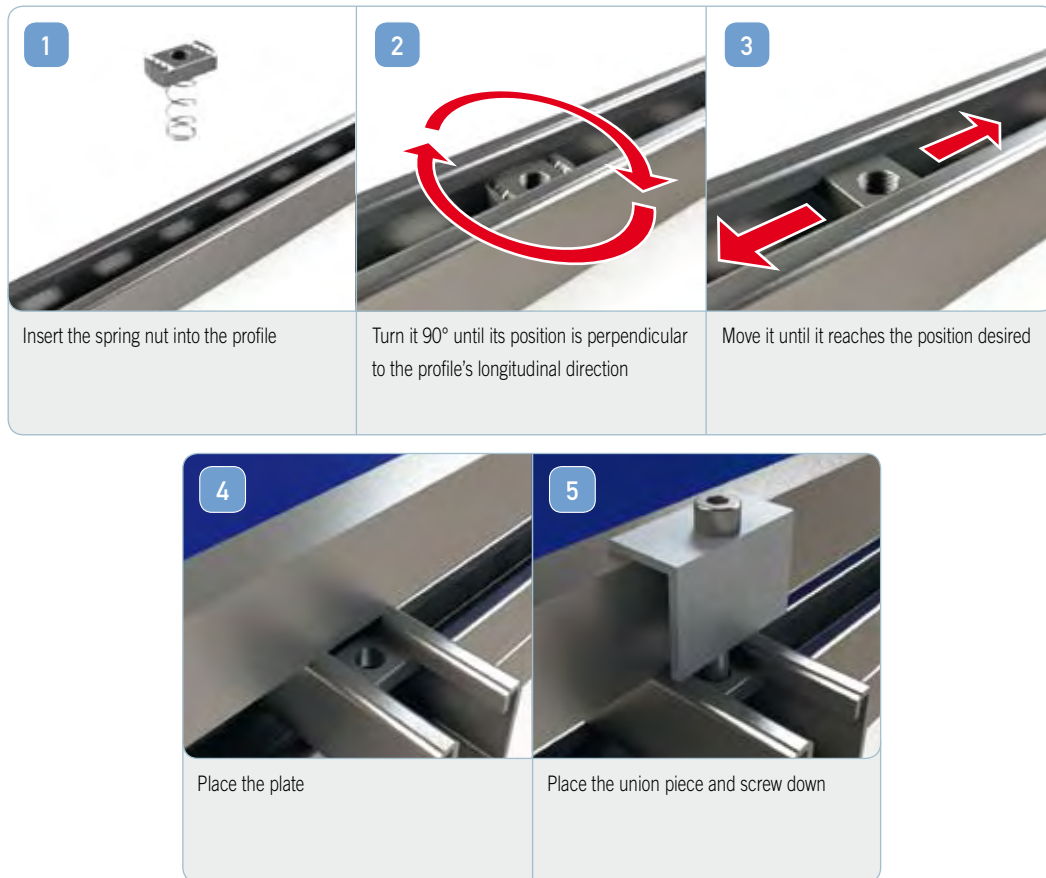
Qualities are of A2 electrogalvanised steel or stainless steel, depending on the location and on the investment's life expectancy.



ASSEMBLY OF THE PLATE'S CENTRAL UNION JOINT



ASSEMBLY OF THE PANEL'S LATERAL UNION JOINT



FIXATION SYSTEM BETWEEN THE LONGITUDINAL PROFILES AND THE PORTICO

Profiles are fixed to one another by way of M8x20 or M8x25 bolts and spring nuts, as illustrated below.



LONGITUDINAL PROFILE'S FIXATION SYSTEM

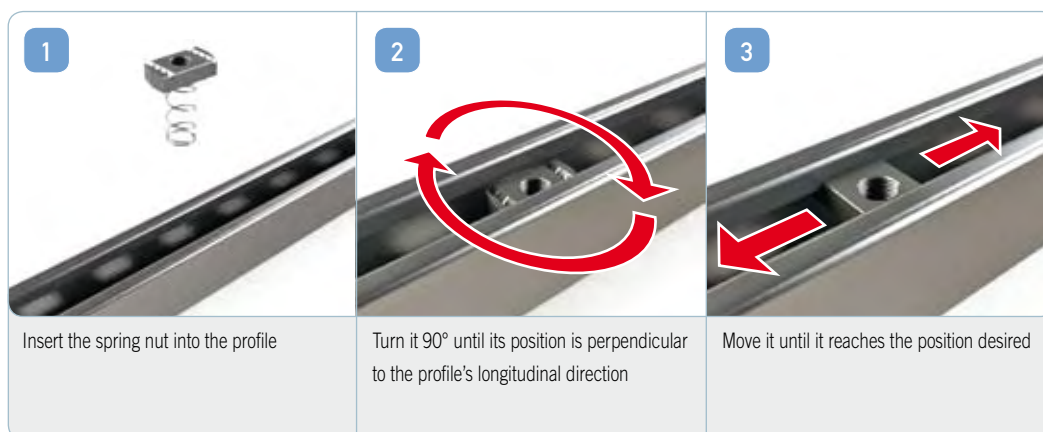
There are two ways of fixing longitudinal profiles to one another. One of the solutions is by using the corresponding union joint, and the other is the crossing profiles' system.



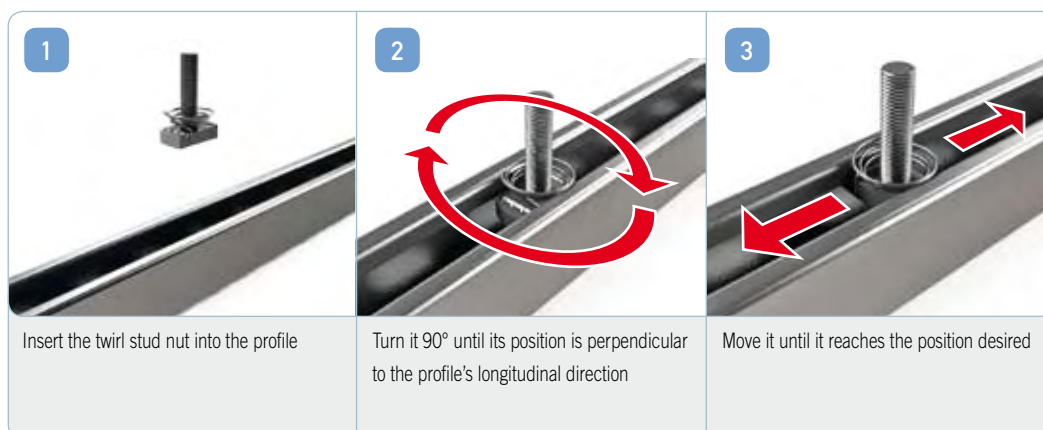
ACCESSORIES' FIXATION SYSTEM

The two most common fixation systems are:

- **Spring nut** Offers versatility and resistance at a low price.



- **Twirl stud nut** Quick fixation system which combines nut and bolt in the same piece. In perforated profiles, it works better than the spring nut, as it avoids the spring from escaping through the perforation.

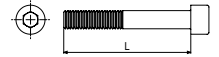


PRODUCTOS EXCLUSIVOS DE SISTEMAS SOLARES

DIN 912 BOLTS



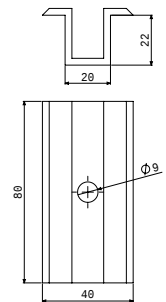
DESCRIPTION	UVM ud	UVE ud	Pap Nm	L mm	CINCADO		I304	
					REF.	kg/ud	REF.	kg/ud
DIN 912 BOLTS M8X70 D8.8	100	100	25	70	0/0930	0,05	0/0939	0,05
DIN 912 BOLTS M8X55 D8.8	100	100	25	55	0/0940	0,04	0/0941	0,04



PANEL'S CENTRAL UNION JOINT



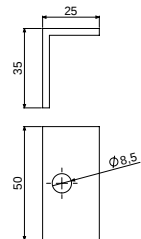
DESCRIPTION	UVM ud	UVE ud	ALUMINIUM	
			REF.	kg/ud
PANEL'S CENTRAL UNION JOINT	1	1	2/6794	0,06



PANEL'S LATERAL UNION JOINT



DESCRIPTION	UVM ud	UVE ud	ALUMINIUM	
			REF.	kg/ud
PANEL'S LATERAL UNION JOINT	1	1	2/6795	0,03



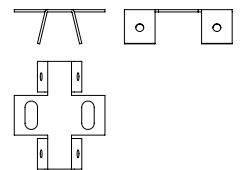
SANDWICH PANEL FIXATION

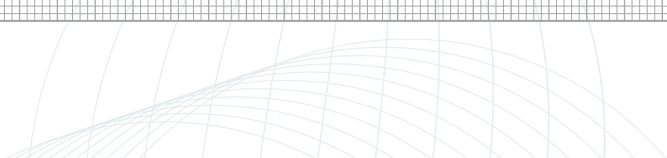
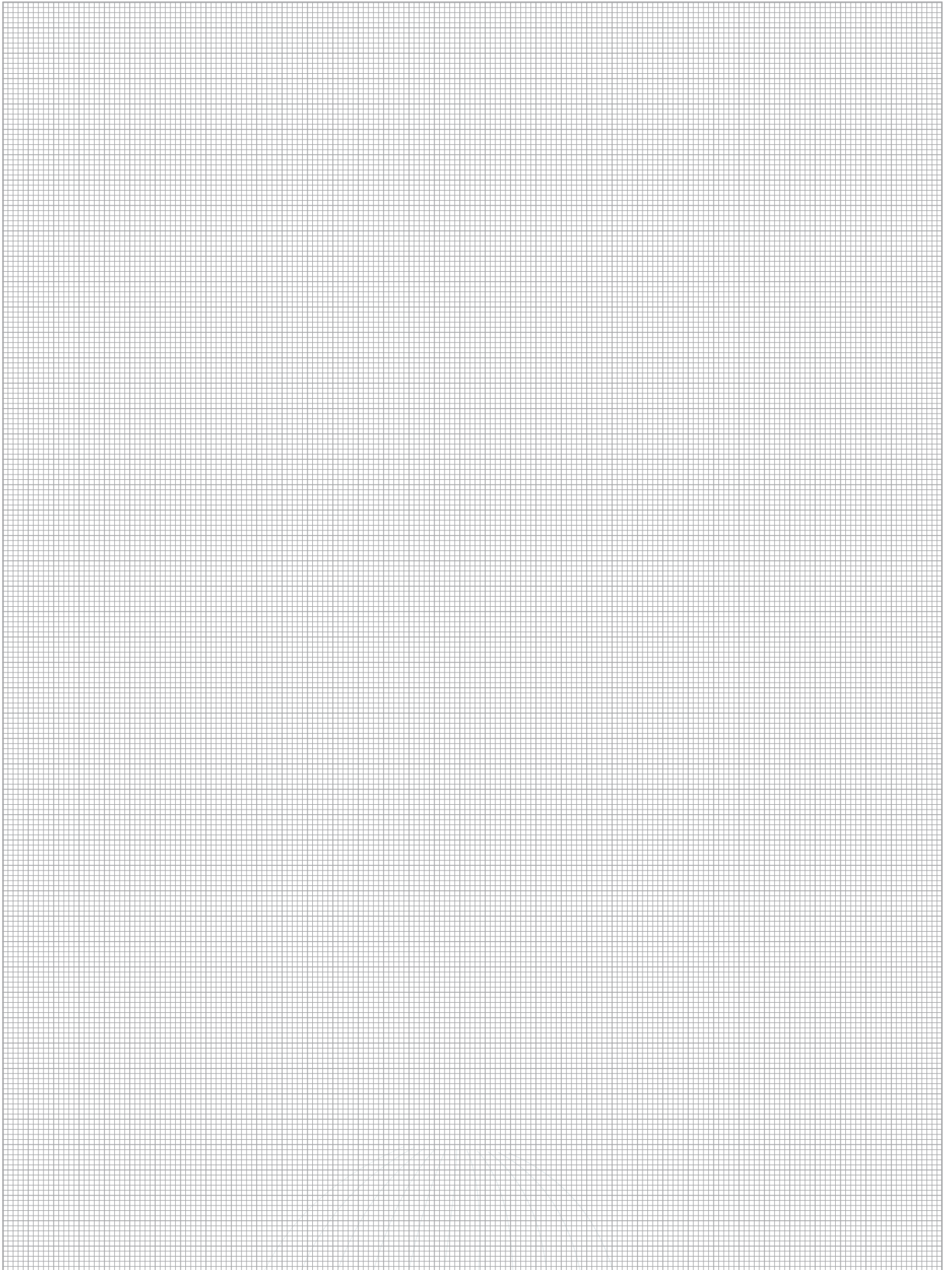


DESCRIPTION	UVM ud	UVE ud	GS		GC	
			REF.	kg/ud	REF.	kg/ud
SANDWICH PANEL FIXATION	1	1	-	0,15	-	0,17

Manufactured under order.

The dimensions vary depending on the system.





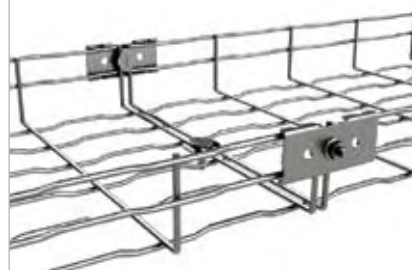


FIRE RESISTANT

FIRE RESISTANT ASSEMBLIES

WALL SYSTEMS Page 182

CEILING SYSTEMS Page 183



BASOR ELECTRIC certifies that the BASORFIL cable tray installed with the below mentioned characteristics complies with Class E90 of function maintenances, in accordance with Standard DIN 4102, Section 12.

This system incorporates BASORFIL BFR with a height of 65, SHO supports are fixed to the wall and reinforced on the ceiling with threaded rods on one side.

The distance between supports is of 1.2 m and the maximum load is of 10 kg/m.

The system may have one or two levels.

MATERIALS LISTING PER FIXATION POINT

REF.	Description	1 level Quantity	2 levels Quantity
2/3622	BASORFIL BFR 100x65 CINCADO	1,2 m	2,4 m
2/0965	SHO 100 GS Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0,25 m	0,5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4919	ULA 65 CINCADO Set	0.8/100 units	1.6/100 units
2/4364	BF CINCADO Bolt-staple set	2,4/100 units	4,8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6240	SHO GS Support piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/3623	BASORFIL BFR 150x65 CINCADO	1,2 m	2,4 m
2/0966	SHO 150 GS Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0,25 m	0,5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4919	ULA 65 CINCADO Set	0.8/100 units	1.6/100 units
2/4364	BF CINCADO Bolt-staple set	2,4/100 units	4,8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6240	SHO GS Support piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/3624	BASORFIL BFR 200x65 CINCADO	1,2 m	2,4 m
2/0967	SHO 200 GS Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0,25 m	0,5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4919	ULA 65 CINCADO Set	0.8/100 units	1.6/100 units
2/4364	BF CINCADO Bolt-staple set	2,4/100 units	4,8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6240	SHO GS Support piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/3625	BASORFIL BFR 300x65 CINCADO	1,2 m	2,4 m
2/0968	SHO 300 GS Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0,25 m	0,5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4919	ULA 65 CINCADO Set	0.8/100 units	1.6/100 units
2/4364	BF CINCADO Bolt-staple set	2,4/100 units	4,8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6240	SHO GS Support piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0291	BASORFIL BFR 100x65 GC	1.2 m	2.4 m
2/0970	SHO 100 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.25 m	0.5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4363	ULA 65 GC Set	0.8/100 units	1.6/100 units
2/4360	BF GC Bolt-staple set	2.4/100 units	4.8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6318	SHO GC Supporting piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0292	BASORFIL BFR 150x65 GC	1.2 m	2.4 m
2/0971	SHO 150 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.25 m	0.5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4363	ULA 65 GC Set	0.8/100 units	1.6/100 units
2/4360	BF GC Bolt-staple set	2.4/100 units	4.8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6318	SHO GC Supporting piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0293	BASORFIL BFR 200x65 GC	1.2 m	2.4 m
2/0972	SHO 200 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.25 m	0.5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4363	ULA 65 GC Set	0.8/100 units	1.6/100 units
2/4360	BF GC Bolt-staple set	2.4/100 units	4.8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6318	SHO GC Supporting piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0294	BASORFIL BFR 300x65 GC	1.2 m	2.4 m
2/0973	SHO 300 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.25 m	0.5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4363	ULA 65 GC Set	0.8/100 units	1.6/100 units
2/4360	BF GC Bolt-staple set	2.4/100 units	4.8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6318	SHO GC Supporting piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0308	BASORFIL BFR 100x65 I304	1.2 m	2.4 m
2/0970	SHO 100 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.25 m	0.5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4921	ULA 65 I304 Set	0.8/100 units	1.6/100 units
2/4915	BF I304 Bolt-staple set	2.4/100 units	4.8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6318	SHO GC Supporting piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0309	BASORFIL BFR 150x65 I304	1.2 m	2.4 m
2/0971	SHO 150 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.25 m	0.5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4921	ULA 65 I304 Set	0.8/100 units	1.6/100 units
2/4915	BF I304 Bolt-staple set	2.4/100 units	4.8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6318	SHO GC Supporting piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0310	BASORFIL BFR 200x65 I304	1.2 m	2.4 m
2/0970	SHO 200 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.25 m	0.5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4921	ULA 65 I304 Set	0.8/100 units	1.6/100 units
2/4915	BF I304 Bolt-staple set	2.4/100 units	4.8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6318	SHO GC Supporting piece	1 unit	2 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0310	BASORFIL BFR 300x65 I304	1.2 m	2.4 m
2/0971	SHO 300 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.25 m	0.5 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4 units	6 units
2/4921	ULA 65 I304 Set	0.8/100 units	1.6/100 units
2/4915	BF I304 Bolt-staple set	2.4/100 units	4.8/100 units
	RF M8 CINCADO Anchor	2 units	4 units
	RF M10 CINCADO Anchor	1 unit	1 unit
2/6318	SHO GC Supporting piece	1 unit	2 units



BASOR ELECTRIC certifies that the BASORTRAY ERE installed with the below mentioned characteristics complies with Class E90 of function maintenances, in accordance with Standard DIN 4102, Section 12.

This system incorporates BASORTRAY ERE H60, SHOT supports are fixed to the ceiling and reinforced on the ceiling with threaded rods on one side.

The distance between supports is of 1.2 m and the maximum load is of 10 kg/m.

MATERIALS LISTING PER FIXATION POINT

REF.	Description	Quantity
2/1197	B/P ERE 100X60 GS	1.2 m
2/1091	SHOT 100 GS Support	1 unit
2/6240	SHO GS Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/4356	B1 CINCADO Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/1198	B/P ERE 150X60 GS	1.2 m
2/1092	SHOT 150 GS Support	1 unit
2/6240	SHO GS Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/4356	B1 CINCADO Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/1199	B/P ERE 200X60 GS	1.2 m
2/1093	SHOT 200 GS Support	1 unit
2/6240	SHO GS Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/4356	B1 CINCADO Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/1201	B/P ERE 300X60 GS	1.2 m
2/1094	SHOT 300 GS Support	1 unit
2/6240	SHO GS Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/4356	B1 CINCADO Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/1227	B/P ERE 100X60 GC	1.2 m
2/1095	SHOT 100 GC Support	1 unit
2/6318	SHO GC Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/6826	B1 GC Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/1228	B/P ERE 150X60 GC	1.2 m
2/1096	SHOT 150 GC Support	1 unit
2/6318	SHO GC Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/6826	B1 GC Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/1229	B/P ERE 200X60 GC	1.2 m
2/1097	SHOT 200 GC Support	1 unit
2/6318	SHO GC Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/6826	B1 GC Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/1231	B/P ERE 300X60 GC	1.2 m
2/1098	SHOT 300 GC Support	1 unit
2/6318	SHO GC Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/6826	B1 GC Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/4795	B/P ERE 100X60 I304	1.2 m
2/1095	SHOT 100 GC Support	1 unit
2/6318	SHO GC Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/4925	B1 I304 Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/4319	B/P ERE 150X60 I304	1.2 m
2/1096	SHOT 150 GC Support	1 unit
2/6318	SHO GC Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/4925	B1 I304 Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/4688	B/P ERE 200X60 I304	1.2 m
2/1097	SHOT 200 GC Support	1 unit
2/6318	SHO GC Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/4925	B1 I304 Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units

REF.	Description	Quantity
2/4317	B/P ERE 300X60 I304	1.2 m
2/1098	SHOT 300 GC Support	1 unit
2/6318	SHO GC Supporting piece	1 unit
2/3397	M8 CINCADO Threaded rod	0.25 m
2/6477	VR GC Variable set	1 unit
2/4925	B1 I304 Bolt set	3.6/100 units
0/0338	M8 DIN6923 CINCADO nut	4 units
	RF M10 CINCADO Anchor	1 unit
	RF M8 CINCADO Anchor	2 units



BASOR ELECTRIC certifies that the BASORTRAY FRE installed with the below mentioned characteristics complies with Class E90 of function maintenances, in accordance with Standard DIN 4102, Section 12.

This system incorporates BASORTRAY FRE H60, SPL supports are fixed to the ceiling with SHL horizontal support with reinforced on the ceiling with threaded rods on one side.

The distance between supports is of 1.2 m and the maximum load is of 10 kg/m.

The system may have one or two levels.



MATERIALS LISTING PER FIXATION POINT

REF.	Description	1 level Quantity	2 levels Quantity
2/0006	B/P FRE 100x65 GS	1.2 m	2.4 m
2/6849	SPL 600 CINCADO Support	1 unit	1 unit
2/6873	SHL 100 CINCADO Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.3 m	0.6 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4/100 units	6/100 units
2/4356	B1 CINCADO Bolt set	3.6/100 units	7.2/100 units
2/6321	M10X30 CINCADO Bolt set	2/100 units	4/100 units
	RF M10 CINCADO Anchor	3 units	3 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0007	B/P FRE 150x65 GS	1.2 m	2.4 m
2/6849	SPL 600 CINCADO Support	1 unit	1 unit
2/6874	SHL 150 CINCADO Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.3 m	0.6 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4/100 units	6/100 units
2/4356	B1 CINCADO Bolt set	3.6/100 units	7.2/100 units
2/6321	M10X30 CINCADO Bolt set	2/100 units	4/100 units
	RF M10 CINCADO Anchor	3 units	3 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0008	B/P FRE 200x65 GS	1.2 m	2.4 m
2/6849	SPL 600 CINCADO Support	1 unit	1 unit
2/6875	SHL 200 CINCADO Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.3 m	0.6 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4/100 units	6/100 units
2/4356	B1 CINCADO Bolt set	3.6/100 units	7.2/100 units
2/6321	M10X30 CINCADO Bolt set	2/100 units	4/100 units
	RF M10 CINCADO Anchor	3 units	3 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0009	B/P FRE 300x65 GS	1.2 m	2.4 m
2/6849	SPL 600 CINCADO Support	1 unit	1 unit
2/6876	SHL 300 CINCADO Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.3 m	0.6 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4/100 units	6/100 units
2/4356	B1 CINCADO Bolt set	3.6/100 units	7.2/100 units
2/6321	M10X30 CINCADO Bolt set	2/100 units	4/100 units
	RF M10 CINCADO Anchor	3 units	3 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0056	B/P FRE 100x65 GC	1.2 m	2.4 m
2/6841	SPL 600 GC Support	1 unit	1 unit
2/6866	SHL 100 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.3 m	0.6 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4/100 units	6/100 units
2/6826	B1 GC Bolt set	3.6/100 units	7.2/100 units
2/6321	M10X30 CINCADO Bolt set	2/100 units	4/100 units
	RF M10 CINCADO Anchor	3 units	3 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0057	B/P FRE 150x65 GC	1.2 m	2.4 m
2/6841	SPL 600 GC Support	1 unit	1 unit
2/6867	SHL 150 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.3 m	0.6 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4/100 units	6/100 units
2/6826	B1 GC Bolt set	3.6/100 units	7.2/100 units
2/6321	M10X30 CINCADO Bolt set	2/100 units	4/100 units
	RF M10 CINCADO Anchor	3 units	3 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0058	B/P FRE 200x65 GC	1.2 m	2.4 m
2/6841	SPL 600 GC Support	1 unit	1 unit
2/6868	SHL 200 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.3 m	0.6 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4/100 units	6/100 units
2/6826	B1 GC Bolt set	3.6/100 units	7.2/100 units
2/6321	M10X30 CINCADO Bolt set	2/100 units	4/100 units
	RF M10 CINCADO Anchor	3 units	3 units

REF.	Description	1 level Quantity	2 levels Quantity
2/0059	B/P FRE 300x65 GC	1.2 m	2.4 m
2/6841	SPL 600 GC Support	1 unit	1 unit
2/6869	SHL 300 GC Support	1 unit	2 units
2/3397	M8 CINCADO Threaded rod	0.3 m	0.6 m
2/6477	VR GC Variable set	1 unit	1 unit
0/0338	M8 DIN6923 CINCADO nut	4/100 units	6/100 units
2/6826	B1 GC Bolt set	3.6/100 units	7.2/100 units
2/6321	M10X30 CINCADO Bolt set	2/100 units	4/100 units
	RF M10 CINCADO Anchor	3 units	3 units





TECHNICAL APPENDIX

When designing an electrical installation, with all its electrical connections and cable conduction system, different aspects such as corrosion, the mechanical resistance of the set or its price must be considered.

In some cases, the lack of information, the number of alternatives or the ignorance on the subject make the engineering task more difficult and slow down the design process.

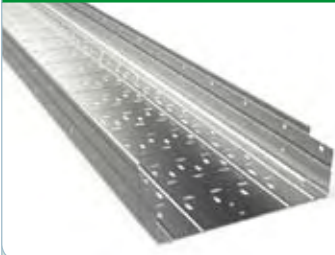
BASOR ELECTRIC has created this technical appendix with the aim of making the process of selection and design easier and of being able to offer its clients the maximum information regarding all of these aspects whilst maintaining the work line which has turned BASOR into a leading company within its sector.

The Technical Department.

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When carrying out a study of any electrical system, one must bare in mind a series of determining factors which shall help chose and condition the system, all of which shall be further explained.

In the first place, it's necessary to select the conduction system. One of the following existing solutions such as cable trays, trunkings or conduits shall be chosen.

CABLE TRAYS	TRUNKINGS	CONDUITS
		
Cable conduction without any kind of protection	Cable conduction with mechanical protection (IK rating) and protection against external agents (IP rating)	Cable conduction with mechanical protection (IK rating) and protection against external agents (IP rating)

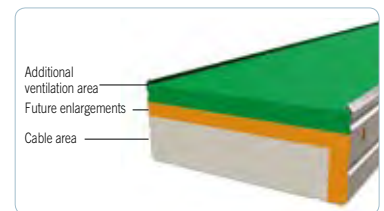
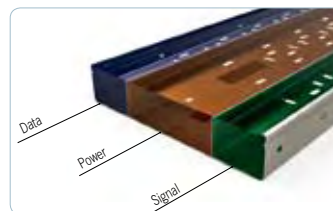
These three devices may all be present in the same system, depending on the area which the line has to cross.

In the second place, the material and the finish shall be chosen depending on the environmental conditions, which may be:



Once both these aspects have been defined, it is necessary to measure the different conduction systems. In order to do so, the following aspects must be taken into consideration:

- Weight and dimensions of the cables which shall run through the cable tray
- Geometrical restrictions of the system
- Nature of the currents which shall run through the cables (power, signal or data). One same canalisation may contain cables of these 3 types but, in such case, their electromagnetic compatibility shall have to be ensured by way of using separating longitudinal sections.
- Space reserved for future enlargements



Corrosion is defined as the deterioration of any material due to an electrochemical attack caused by its environment. The speed at which it happens shall depend on the temperature, the salinity of the fluid which is in contact with the metal and the properties of the metals present. Other non-metallic elements also suffer corrosion caused by other mechanisms.

Atmospheric corrosion:

Atmospheric corrosion happens when metal is exposed to liquids, solids or gases transported in the atmosphere. Humidity, salt, corrosive gases and dirt are its main factors. This type of corrosion takes place in open air conditions, places with poor ventilation and marine environments.

Some classifications study saline corrosion independently, because saline corrosion happens when a metallic surface is exposed to different saline concentrations forming a galvanic pile at times where the surface exposed to the lowest degree of saline concentration behaves like an anode.



Chemical corrosion:

Chemical corrosion happens when a metal is directly exposed to chemical solutions. Depending on the solution's level of concentration, contact time, cleaning frequency and service temperature, the level of corrosion will be higher or lower.



Galvanic corrosion:

Anode	Zinc
	Aluminium
	Steel
	I316
	I304
	Copper
	Nickel
	Passivate I316
	Passivate I304
	Cathode

It's the most common type, and happens when two different metals are in contact with one another. When two different metals come into contact one with the other, a small galvanic pair is created, as one metal acts as an anode and the other as a cathode. The one with the most negative reduction potential shall oxidise whilst the one with the most positive reduction potential shall be reduced.



Storage corrosion:

In some cases (steel with a zinc covering), when materials are stored in poor ventilated or humid places, white stains may appear on the surface. Generally speaking, these white stains are superficial and don't affect the covering's properties, even though wiping them off is strongly advised in order to allow the protective layer to form itself correctly.

The material has to be stored in a dry and ventilated place, avoiding storing it outside, even in conditions of low humidity.

The UNE-EN IEC 61537 Standard classifies the degree of resistance against corrosion in “classes” depending on the materials and coverings which are most used.

Using these standards, the minimum class necessary for each type of system may be defined.

^a For those materials which do not count with a declared classification or resistance against corrosion.

^b During the later process of treatment, the protection against corrosion in cracks and the degree of pollution produced by other agents have to be improved.

Class	Reference-Material and Finish
0	None
1	Electroplated to a minimum thickness of 5 µm
2	Electroplated to a minimum thickness of 12 µm
3	Pre-galvanised to grade 275 to EN 10327 and EN 10326
4	Pre-galvanised to grade 350 to EN 10327 and EN 10326
5	Post galvanised to a zinc mean coating thickness (minimum) of 45 µm according to ISO 1461 only for zinc thickness
6	Post galvanised to a zinc mean coating thickness (minimum) of 55 µm according to ISO 1461 only for zinc thickness
7	Post galvanised to a zinc mean coating thickness (minimum) of 70 µm according to ISO 1461 only for zinc thickness
8	Post galvanised to a zinc mean coating thickness (minimum) of 85 µm according to ISO 1461 only for zinc thickness (Usually high silicon steel)
9A	Stainless steel manufactured to ASTM: A 240/A 240M – 95a designation S30403 or EN 10088 grade 1-4301 without a post treatment
9B	Stainless steel manufactured to ASTM: A 240/A 240M – 95a designation S31603 or EN 10088 grade 1-4404 without a post treatment
9C	Stainless steel manufactured to ASTM: A 240/A 240M – 95a designation S30403 or EN 10088 grade 1-4301 with a post treatment
9D	Stainless steel manufactured to ASTM: A 240/A 240M – 95a designation S31603 or EN 10088 grade 1-4404 with a post treatment

Class (as shown on Table 1)	Duration (hours)
0	-
1	24
2	96
3	155
4	195
5	450
6	550
7	700
8	850

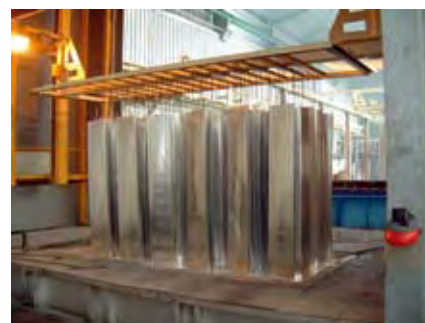
Moreover, the UNE-EN IEC 61537 Standard allows us to draw up a conversion table which compares the resistance to corrosion with the duration of the Neutral Salt Spray (NSS) test according to Standard ISO 9227, allowing manufacturers and engineers to create new finishes and materials.

Environment	Corrosion Speed (mean loss of zinc thickness) ^a µm per year
Interior: dry	< 0.1
Interior: occasional condensation Exterior: rural	0.1 - 0.7
Interior: high level of humidity, slightly polluted air Exterior: urban inland or mild coastal	0.7 - 2
Interior: swimming pools, chemical plants Exterior: industrial inland or mild urban	2 - 4
Exterior: very humid industrial or high salinity coastal	4 - 8

In the case of zinc coverings, the UNE-EN IEC 61537 Standard defines the speed of corrosion depending on the mean loss of the covering with regards to the location of the installation with respects to the sea (inland or coastal area) and also depending on whether such installation is being subject to the weather's inclemencies (inside/covered or outside/exposed to elements).

This table can be applied to other types of products made of steel with a zinc covering, such as system profiles and accessories. All data has been extracted from the UNE-EN ISO 14713:2000 Standard, entitled “Protection against corrosion of iron and steel in structures. Zinc and aluminium coatings”.

In order to estimate the life of any steel with a zinc coating, it is necessary to be aware of the coating's mean thickness and of the system's location. Its life is equivalent to the quotient between such thickness and the location's speed of corrosion and, therefore, is not an absolute value, because it depends on the environmental fluctuations of the surroundings, as shown in the table above.



Different materials together with a finish which is adequate for the environmental conditions in which the electrical system is placed have to be used depending on the mechanical, electrical or resistance against corrosion properties.

Materials	Properties
Steel	- Electrical continuity - Ideal for areas with strong temperature changes, operating both at high and low temperatures. - Resistance to corrosion varies depending on the selected finish. - Good response to flexure. - Good response to fire (M0). Non-flammable material. No gas emissions. - 100 % recyclable material
Stainless Steel AISI 304	- Electrical continuity - High resistance to corrosion - Ideal for areas with strong temperature changes, operating both at high and low temperatures. - Good response to flexure. - Good response to fire (M0). Non-flammable material. No gas emissions. - 100% recyclable material
Thermoplastic	- Insulating and light material - Easy handling and installation - Good resistance to corrosion - Flame retardant material - Low fire resistance. Depends on the raw material. - Limited service temperature range - Gas emission depending on the raw material. - 100% recyclable material

The available standard finishes are:

Pre-galvanised (GS) Laminated continuously galvanised through immersion in molten zinc steel, manufactured according to the UNE-EN 10327 Standard. The steel's protection shall depend on the covering's mass. Galvanised sendzimir steel is used for cold-forming, and the protection against corrosion of the mechanised areas (perforations, edges, etc.) is due to the galvanic protection, a kind of protection conferred to steel by way of being in contact with a zinc anode. The zinc anode chemically reacts with the environment, creating a protective film and preventing the reaction between the environment and the piece from happening. The galvanised sendzimir steel used by BASOR ELECTRIC as standard is of type Z275 (19 microns of mean thickness) and is classified by UNE-EN IEC 61537 Standard as Class 3. Galvanised sendzimir steel is used in dry environments free of pollutants.

Hot Dip Galvanised Steel (HDG) Laminated or rust removed galvanised after forming steel according to UNE-EN ISO 1461 Standard. The steel's protection is conferred by a zinc coating which varies depending on the steel's thickness, offering a uniform covering. The zinc coating's thickness depends on the thickness of the base material and ranges between the values shown in the table.

The UNE-EN IEC 61537 Standard classifies the resistance against corrosion of these galvanised steels as Class 5 for the covering of 45µm, Class 6 for 55µm, Class 7 for 70µm and Class 8 for 85µm. Hot dip galvanised steel is used in humid environments, granting a high protection during adverse atmospheric situations, light chemical situations, light marine situations and urban situations.

Thickness of the piece	Local thickness of the covering (minimum value) ^a µm	Mean thickness of the covering (minimum value) ^b µm
Steel ≥ 6 mm	70	85
Steel ≥ 3 mm up to < 6 mm	55	70
Steel ≥ 1.5 mm up to < 3 mm	45	55
Steel < 1.5 mm	35	45
Molded pieces of ≥ 6 mm	70	80
Molded pieces of < 6 mm	60	70

Electrogalvanised (CINCADO) A steel base coated with a zinc layer by electrolysis, by means of submerging the pieces in a bath composed by zinc solutions, in accordance with UNE-EN 12329 Standard (ISO 2081). Depending on the type of zinc layer, it shall have a different degree of protection on the steel, avoiding corrosion and enhancing the visual appearance of the piece. This treatment is carried out once the piece has been formed.

The UNE-EN IEC 61537 Standard classifies the degree of resistance to corrosion of the system's components depending on the steel's electrolytic covering, belonging to Class 1 those with a minimum thickness of 5µm and to Class 2 those of 12µm. BASOR ELECTRIC uses Class 2 as its standard material in order to guarantee the quality of its products against corrosion. This treatment is used in dry environments free of pollutants.

Bicromatised Steel (BICRO) A base of steel coated with a zinc layer by electrolysis, by means of submerging the pieces in a solution composed by zinc solutions, in accordance with UNE-EN 12329 Standard (ISO 2081), followed by a treatment with chromium salts, in accordance with UNE-EN 112050 Standard (ISO 4520). The electrolytic coverings are chromicised with the aim of retarding the formation of corrosion. Depending on the type of zinc layer and on the kind of final passivation, it shall have a different degree of protection on the steel, avoiding corrosion. This treatment is carried out once the piece has been formed.

The UNE-EN IEC 61537 Standard classifies the degree of resistance to corrosion of the system's components depending on the steel's electrolytic covering, belonging to Class 1 those with a minimum thickness of 5µm and to Class 2 those of 12µm. BASOR ELECTRIC uses Class 2 as its standard material.

This treatment is used in dry environments free of pollutants.

The bicromatisation process conducted by BASOR ELECTRIC complies with Directive 2002/95/EC RoHS, and does not use hexavalent chromium.

Painted Steel (GSE) Steel covered with an epoxy-polyester hybrid resin. The steel is covered by a powder resin and, subsequently, a polymerisation is carried out at a temperature of between 185-190°C during a period of 15 minutes. The micronage obtained is between 60 and 80 microns and is characterised by an excellent adherence. This covering is applied on galvanised sendzimir steel or on a base of steel. In this second case, before the electrostatic application of the resin, the pieces have the grease removed from them and also an amorphous phosphatation by spray in the treatment tunnel is conducted, as this improves the protection of the base material against corrosion. Painted steel is used in humid, light chemical and urban environments, whenever the decorative appearance is important.

Stainless Steel AISI 304 (I304) Denominated 1.4301 according to the numerical classification established by the UNE-EN 10088 Standard. Steel's protection happens due to the great affinity which metals such as chromium have with oxygen, which gives place to the creation of a protective chromium oxide layer which avoids the corrosion of iron. Type I304 stainless steels are carbon steels alloyed with chromium, nickel and manganese. They are ideal to be used in chemical and food industries, laboratories and wineries and in the naval industry. Under special conditions, and always under order, there is the possibility of conducting a passivation process. Passivation is a treatment which enhances stainless steel's protection against corrosion by means of forming a relatively inert film on the surface of a material which protects it against the action of external agents. The passivation film or layer does not allow these agents to interact, reducing or stopping the chemical reaction from happening.

UNE-EN IEC 61537 Standard classifies this steel's resistance to corrosion as Class 9A without the passivation treatment and as Class 9C with the passivation treatment.

Stainless steel AISI 304L has the same characteristics regarding corrosion as steel AISI 304, but offers a higher degree of welding and easier forming of the pieces with a thickness of more than 6mm.

PVC Thermoplastic Polymer (PVCMI1) Thermoplastic polymer developed by BASOR which offers a good resistance to fire. The PVCMI1 is a non-flammable and self-extinguishing material classified as M1 by UNE 23727 Standard and as VO by UL-94 Standard. PVCMI1 products are light, perfect electric insulators, chemically inert and totally innocuous. PVCMI1 is used in interior and exterior industrial facilities, but for external installations the use is limited to a good ambient ventilation and one meter distance between supports. This material providing a high degree of protection in adverse, chemical, marine or urban atmospheric situations. PVCMI1's mechanical characteristics vary depending on the temperature, reason why its use is restricted to service temperatures between -20°C and 60°C. BASOR's PVCMI1 is 100% recyclable and complies with Directive 2002/95/EC RoHS, in force since the 1st of July 2006.

Polypropylene Thermoplastic Polymer (PP7035) Thermoplastic polymer developed by BASOR which offers a good resistance to fire. PP7035 is a material which is “flame retardant”, as stated in UNE-EN IEC 61386 Standard. PP7035 products are light and perfect electric insulators and have a great chemical resistance. PP7035 is used in both interior and exterior industrial facilities, providing a high degree of protection in adverse, chemical, marine or urban atmospheric situations. PP7035's mechanical characteristics are stable within the range of environmental temperatures (service temperatures between -30°C and 90°C). BASOR's PP7035 is 100% recyclable and complies with Directive 2002/95/EC RoHS, in force since the 1st of July 2006.

Polyamide Thermoplastic Polymer 6 (PA6-7016/PA6-9011) Thermoplastic polymer developed by BASOR which offers a good resistance to traction/compression. PA6 is a “flame retardant” material, as stated in UNE-EN IEC 61386 Standard and classified as V2 in accordance with Standard UL-94. PA6 products are light, very flexible, have a long duration in situations of fatigue, are perfect electric insulators and have a great chemical resistance. PA6 is used for static applications in both interior and exterior industrial facilities, providing a high degree of protection in adverse, chemical, marine or urban atmospheric situations. PA6-9011 in black is resistant to ultraviolet rays. PA6's mechanical characteristics are stable within the range of environmental temperatures (service temperatures between -30°C and 90°C). BASOR's PA6 is 100% recyclable and complies with Directive 2002/95/EC RoHS, in force since the 1st of July 2006.

Polyamide Thermoplastic Polymer 6 V0 (PA6-V0-7016/PA6-V0-9011) Thermoplastic polymer developed by BASOR which offers a good resistance to traction/compression. PA6-V0 is a “flame retardant” material, as stated in UNE-EN IEC 61386 Standard and classified as V0 in accordance with Standard UL-94. PA6-V0 products are light, very flexible, have a long duration in situations of fatigue, are perfect electric insulators and have a great chemical resistance. PA6-V0 is used for static applications in both interior and exterior industrial facilities, providing a high degree of protection in adverse, chemical, marine or urban atmospheric situations. PA6-V0 in black is resistant to ultraviolet rays. PA6-V0's mechanical characteristics are stable within the range of environmental temperatures (service temperatures between -30°C and 90°C). BASOR's PA6 is 100% recyclable and complies with Directive 2002/95/EC RoHS, in force since the 1st of July 2006.

Polyamide Thermoplastic Polymer 12 (PA12-7016/PA12-9011) Thermoplastic polymer developed by BASOR which offers a good resistance to traction/compression. PA12 is a “flame retardant” material, as stated in UNE-EN IEC 61386 Standard and classified as V2 in accordance with Standard UL-94. PA12 products are light, very flexible, have an exceptional duration in situations of fatigue, are perfect electric insulators and have a great chemical resistance. PA12 is used for applications which demand flexure at a great speed (robotics), in both interior and exterior industrial facilities, providing a high degree of protection in adverse, chemical, marine or urban atmospheric situations. PA12-9011 in black is resistant to ultraviolet rays. PA12's mechanical characteristics are stable within the range of environmental temperatures (service temperatures between -30°C and 90°C). BASOR's PA6 is 100% recyclable and complies with Directive 2002/95/EC RoHS, in force since the 1st of July 2006.

	Interior				Exterior		
	Dry	Humid	Chemical Industry	Food Industry	Urban	Chemical Industry	Food Industry
GS	R	L	NR	NR	L	NR	NR
CINCADO	R	L	NR	NR	L	NR	NR
BICRO	R	L	NR	NR	L	NR	NR
GC	E	R	L	NR	R	L	L
GSE	R	R	R	R	L	L	NR
I304	E	E	R	R	E	R	L
PVCM1	R	R	R	R	L	L	L
PP7035	R	R	R	R	R	R	R
PA6	R	R	R	R	R	R	R
PA6-V0	R	R	R	R	R	R	R
PA12	R	R	R	R	R	R	R

R- Recommended / L- Limited resistance / NR- Not recommended / E – Excessive quality

Under special environmental conditions, materials and finishes which are different to the standard ones are required.

Materials	Properties
Steel with an organic covering	- High resistance to corrosion, especially in chemical environments - Ideal for areas with strong temperature changes - Operates both at high and low temperatures - Good response to flexure - Flame retardant - Big array of decorative colours
Stainless Steel AISI 316	- Electrical continuity - Excellent resistance to corrosion; as it has molybdenum in its chemical composition, its resistance to localised corrosion increases. - Ideal for areas with strong temperature changes - Operates both at high and low temperatures - Good response to flexure - Good response to fire (MO). Non-flammable material. No gas emissions. - 100% recyclable material
Aluminium	- Excellent electrical continuity - High resistance to corrosion - Excellent relationship between flexure resistance / weight - Moderate response to flexure - Good response to fire (MO). Non-flammable material. No gas emissions. - 100% recyclable material

Depending on the property which one wishes to enhance, these are different finishes available:

Steel Painted with Polyester (GSP) Steel covered with a polyester resin. The steel is covered by a powder polyester resin and, subsequently, a polymerisation is carried out at a temperature of between 190-195°C during a period of 15 minutes. The micronage obtained is between 60 and 80 microns and is characterised by an excellent adherence. This covering is applied on galvanised sendzimir steel or on a base of steel. In this second case, before the electrostatic application of the resin, the pieces have the grease removed from them and also an amorphous phosphatation by spray in the treatment tunnel is conducted, as this improves the protection of the base material against corrosion. Steel Painted with Polyester Resin is resistant to ultraviolet rays, and is used in both interior and exterior humid environments, aggressive chemical environments and saline environments. BASOR's GSP system, with its covering, exceeds Class 8 of UNE-EN IEC 61537 Standard by far.

Duplex Steel (GCE) Hot dip galvanised steel, as stated in UNE-EN ISO 1461 Standard, with a subsequent epoxy-polyester covering. This layer, with its mechanical resistance and good chemical resistance, improves the hot dip galvanised initial layer's resistance to corrosion. The total thickness of the two layers of this protection system has an approximate value of 160µm.

An 85 µm GC covering is considered Class 8 by the UNE-EN IEC 61537 Standard and exceeds from 850 hours in the Neutral Salt Spray Test (ISO 9227). BASOR's GCE system, with its double covering, improves Class 8 considerably.

Moreover, this finish is suitable for aggressive environments classed as C4, C5-I and C5-M (UNE-EN ISO 12944-5).

Stainless Steel AISI 316 (I316) Denominated 14401 according to the numerical classification established by the UNE-EN 10088 Standard. Steel's protection happens due to the great affinity which metals such as chromium have with oxygen, which gives place to the creation of a protective chromium oxide layer which avoids the corrosion of iron. Type I316 stainless steels are similar to type 1304, but they contain a 2.5% of molybdenum which confers it a greater resistance to localised corrosion. It is ideal for use in very corrosive environments, even at high temperatures. Under special conditions, and always under order, there is the possibility of conducting a passivation process. Passivation is a treatment which enhances stainless steel's protection against corrosion by means of forming a relatively inert film on the surface of a material which protects it against the action of external agents. The passivation film or layer does not allow these agents to interact, reducing or stopping the chemical reaction from happening.

UNE-EN IEC 61537 Standard classifies this steel's resistance to corrosion as Class 9B without the passivation treatment and as Class 9D with the passivation treatment.

Stainless Steel AISI 316L, denominated 14401 according to the numerical classification established by the UNE-EN 10088 Standard has the same characteristics regarding corrosion as steel AISI 316, but offers a higher degree of welding and easier forming of the pieces with a thickness of more than 6mm.

Laminated Aluminium (AL) Half-hard aluminium alloy type 1050A, as spelled out in UNE 38114 Standard. Aluminium is a light material, excellent against corrosion in chemical environments and with a good resistance to “wearing due to atmospheric action” in most of its open-air uses. Aluminium covers itself spontaneously with a thin layer of oxide which prevents it from corroding. However, this layer disappears when acids are present, especially with percloric and chloridric acids.

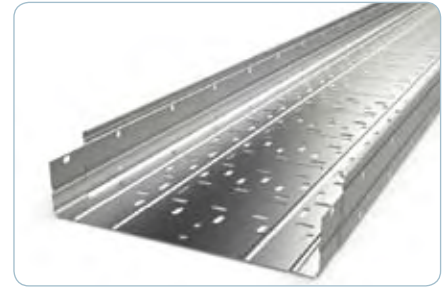
Extruded Aluminium (AL6063T6) Manufactured in compliance with what is laid down in UNE 38337 Standard, extruded alloyed aluminium type 6063 which undergoes a subsequent tempering T6 process which confers it good mechanical characteristics, reaching a resistance which is three times greater than that of other types of aluminium which have not been thermally treated. Aluminium is a light material, excellent against corrosion in chemical environments and with a good resistance to “wearing due to atmospheric action” in most of its open-air uses. Aluminium covers itself spontaneously with a thin layer of oxide which prevents it from corroding.

	Interior				Exterior		
	Dry	Humid	Chemical Industry	Food Industry	Urban	Chemical Industry	Food Industry
GSP	R	R	L	R	R	L	R
GCE	E	E	R	R	E	R	R
I316	E	E	E	E	E	E	R
AL	E	E	R	R	R	R	R
AL6063T6	E	E	R	R	R	R	R

R- Recommended / L- Limited resistance / **NR**- Not recommended / **E** - Excessive quality

VENTILATION AND SEALING DEGREE

Choosing cable trays with a high degree of ventilation shall considerably improve the conductor's working temperature at the same intensity. However, non-perforated trays offer a higher level of protection against external agents.

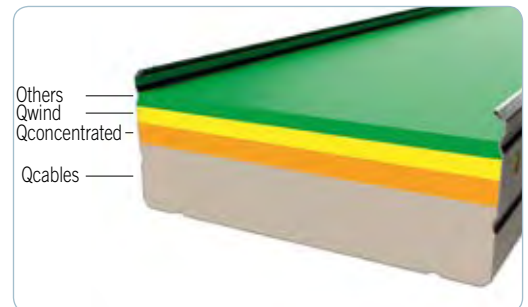


Depending on the type of system, the aim shall be to obtain lower working temperatures in the conductors in order to improve the system's output, or simply to try to achieve a higher level of protection against the penetration of any kind of external agent inside the tray.

DETERMINING OF THE WORKLOAD (WL)

Canalisation systems must have an adequate mechanical resistance.

In order to select the most adequate canalisation system, the workload (WL) must be known, and will depend on the load of the conductors it supports as well as on the additional design loads which are taken into consideration.



$$WL = Q_{cable} + Q_{concentrated} + Q_{snow} + Q_{wind} + \dots$$

Example:

Load of the conductors:	32 kg/m
Additional loads:	16 kg/m
Workload (WL):	48kg/m

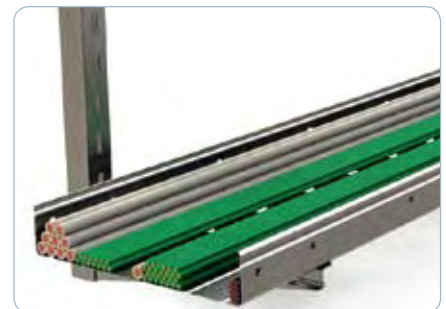
In a system, there are different types of loads which can be taken into consideration. The designer shall be in charge of determining which loads are applicable in each case, depending on the conditions (location, environment, etc).

Weight of the cables:

The cables' weight is modelled as a linear distributed load and its value shall be determined by the number of cables and their individual weight. If a Security Coefficient (SC) is determined for future enlargements, this factor shall have to be necessarily taken into account in the calculation dealing with the cables' weight and not only when determining the Minimum area.

Therefore, the cables' final weight shall be calculated as the summation of the number of cables of each type multiplied by their increased weight, multiplied by the security coefficient, and shown as follows:

$$\text{Weight of the cables} = \left(1 + \frac{SC}{100}\right) \sum n \cdot \text{Weight}$$



Momentary or concentrated loads:

Static momentary loads (projectors, junction boxes, signalling elements, etc.) which are suspended from cable tray shall be considered an additional load to the system and must be taken into account.

Should the concentrated loads be constant in the system, they shall be considered as an additional distributed load, and can be represented by way of the following equivalence:

$$Q_{dis} (kg/m) = \frac{2 \times Q_{moment} (kg)}{Span\ length\ (m)}$$



Should the momentary load be exceptional in the system (and only if the system allows it), we recommend momentarily reducing the support span until the maximum deflection requirements are fulfilled. The momentary load shall be distributed between the supporting elements which are nearer to the momentary load, reason why they shall be dimensioned according to the new requirements.

IMPORTANT! Cable trays should NEVER be used as walkways.

Wind loads:

Wind is an atmospheric condition which always has to be considered in the case of outdoor installations. Wind exerts a dynamic pressure on the trays' surfaces, both on vertical and horizontal surfaces.

Under normal conditions (1 atm and 15°C), the pressure exerted by the effect of wind shall depend on the wind's speed.

One important aspect when designing a tray system is the wind pressure's impact angle, reason why BASOR recommends considering that, for outdoor installations, the impact pressure's design angle ranges between (-60°/60°) for systems which run parallel to the floor. The least favourable impact pressure shall be the pressure which is perpendicular to the surface.

w(km/h)	w(m/s)	P(Kg/m ²)
54	15	14.06
108	30	56.25
144	40	100.00
180	50	156.25

Example:

A 600x100 cable tray placed in a horizontal position, with a wind of 30 m/s and a wind attack angle of -60° to 60° with respect to the axis parallel to the floor:

Wing effect: $0.1 \times 56.25 = 5.62\text{ kg/m}$

Base effect: $0.6 \times 56.25 \times \sin 60 = 29.23\text{ kg/m}$

When perforated tray systems (or ladder type cable trays) with cover are installed, it is also necessary to take the aerodynamic effects into consideration, as they produce a difference in pressures between both sides of the cover which can cause such cover to raise itself with a gust of wind. In order to avoid this from happening, it is essential to fix the cover with the systems recommended for each family of products.

Recommendation: Whenever wind may possibly affect the system, BASOR recommends fixing the cable tray to every support with a minimum of two fixation elements and two cover fixations placed every 1.5 metres.

For complex systems or systems with high wind loads, please contact our technical department.

Snow loads:

In places where there is a danger of snow accumulating on the cable trays, the linear load must be taken into consideration, with regards to the maximum thickness of snow/ice which the tray can store. The snow/ice's maximum thickness shall depend on the system's location. An estimated conservative value could lie between 15-25 mm of snow. The density of snow/ice is 600-925 kg/m³.

Example:

B = Base = 400 mm

t = Thickness of the ice = 20 mm

d = Considered density = 925 kg/m³

$$Q_{\text{snow}} (\text{kg/m}) = B \times t \times d$$

Seismic loads:

Seismic loads are forces generated by the movements of the earth (earthquakes). When there is an earthquake, these loads act horizontally on the structures of the buildings, the canalisation systems, etc.

Most canalisation systems are designed to support both gravitational and vertical loads, but they aren't usually prepared to support lateral loads. However, canalisations behave more consistently when facing lateral loads than when facing vertical movements. Therefore, the tray's or canalisation's behaviour during a seismic movement shall mainly depend on the support system employed.

There are other factors which shall also contribute to the seismic stability, such as the cables' fixation systems in order to avoid them from moving freely.

**SAVE WORKING LOAD (SWL)**

The save working load (SWL) is the maximum load which can be applied during normal use, without danger. Therefore, the workload shall always be less than the SWL.

In canalisations, the SWL is the maximum distributed load which the canalisation shall have to support for a certain deflection and support span, always respecting the safety margin established to prevent it from collapsing. BASOR determines the SWL of its products in accordance with Standard UNE-EN IEC 61537.

In supports and fixation elements, the SWL shall depend on the type of system and, therefore, different types of solutions shall be defined for each product bearing in mind their save working loads. For all those situations which do not fall under the "standard" category, BASOR's technical department shall study each case individually.

As it shall be explained further on, in order to determine the most adequate cable conduction system, the total LINEAR cost of the installation (trays, supports, fixation elements, etc.) has to be taken into consideration, as the LINEAR cost of both the supports and the fixation elements mainly depends on the support span.

There is no international classification of the canalisation systems depending on its save working load (SWL). However, countries like the USA, Canada or Mexico have their own classifications which divide the canalisation systems into categories depending on their SWL.

		Distance between supports m (ft)						
		1.5 (5)	1.8 (6)	2.4 (8)	3 (10)	3.7 (12)	4.9 (16)	6.0 (20)
SWL kg/m (lb/ft)	18 (12)	5AA	6AA					
	37 (25)	5BB	6BB		A			
	67 (45)							
	74 (50)		6A	8A		12A	16A	20A
	97 (65)				C			
	112 (75)		6B	8B		12B	16B	20B
	149 (100)		6C	8C		12C	16C	20C
	179 (120)				D			
	299 (200)				E			
		NMX designations						
		CSA designations						
		NEMA and NMX designations						

SPAN LENGTH

A canalisation's save working load (SWL) is a characteristic which depends on the span length. As the span length increases, the save working load decreases.

Choosing the right span length is a decision which shall depend on the system's conditions as well as on the cost of the cable conduction system (tray + support).

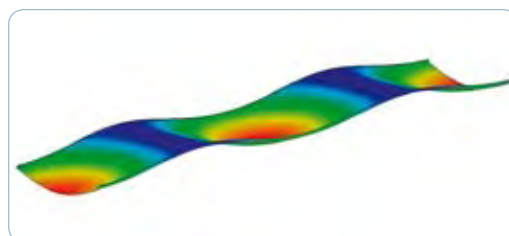
In many cases, it is estimated that cable conduction systems with a lower SWL are cheaper but, in most cases, this is not true, as they require the installation of more supports and, therefore, the set-up time increases considerably.



DEFLECTION

The deflection is the deformation generated in the canalisation due to the workload which it has to support.

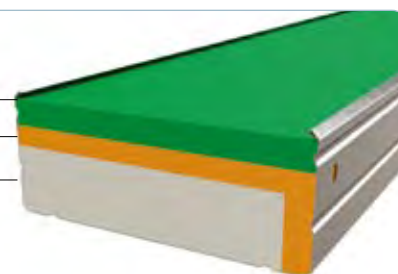
According to Standard UNE-EN IEC 61535 with regards to the SWL, the longitudinal deflection located halfway through the span length must not be greater than $d/100$ of the span length and the transverse deflection must not be greater than $B/20$ of the canalisation's width.



MINIMUM AREA OF THE CABLE TRAY (AMIN)

Another factor which shall affect the system's dimensions apart from the ones which have been explained up to now is the minimum area required by the system.

Additional
ventilation area
Future enlargements
Cable area



Cable-filling area:

In order to determine the total cable-filling area, simply take a look at the useful section of each of the cables which shall run through the tray and add them up.

To calculate the empty spaces which shall inevitably be left between the cables, a cable's useful section shall be considered as the square of its diameter.

$$S_{\text{useful}} = \varnothing^2$$



Security Coefficient (SC) for future enlargements:

One of the many characteristics of cable trays is their capacity and ease of enlargement. Therefore, it is important to take into account a percentage of capacity to be used for future enlargements.

This way, the minimum area necessary for any common system shall be calculated as the summation of the useful sections of the cables and the subsequent application of the safety coefficient.

$$A_{min} = \left(1 + \frac{SC}{100}\right) \sum n \cdot S_{useful}$$

BASOR recommends leaving around 40% for future enlargements.

Additional ventilation area:

Depending on the system, the designer may decide to add another safety coefficient to the calculated area in order to ensure a good ventilation of the cables.

SPACE LIMITATIONS

One of the factors which may limit the choice is space limitations, regarding both the width and height available for the system's installation.

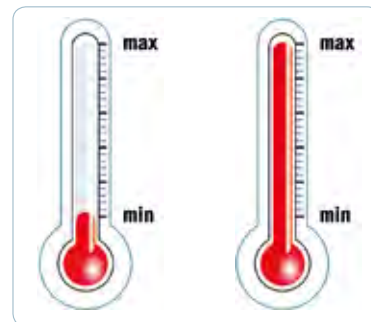


BASOR recommends leaving a free space of between 150 and 300 mm between cable trays to facilitate access to the canalisation system. The distance shall depend on how easy it is to access the canalisation and the need to handle it. Under no circumstance should the electrical system be placed under a system dealing with liquids.

SERVICE TEMPERATURE. THERMAL CONTRACTIONS AND EXPANSIONS

Service temperatures refer to the cable conduction system's range of temperatures during its storage, set-up and use, without making the system experience a fall in its technical characteristics.

In all cable conduction systems we shall have to indicate the minimum and the maximum service temperatures. If the temperature range is broad, the effect of contraction and expansion of the materials shall have to be observed.



This effect expands or contracts the material depending on its expansion coefficient. In order to be able to measure the effects of expansion and compression, the material has to be compared at two different temperatures, reason why it is important that the cable canalisation system's design takes into account the range of service temperatures in which it's going to be used. At a glance, the effects of contraction/expansion can't be perceived, but in the case of bigger cable trays this effect becomes more obvious.

Our union systems use longitudinal holes to absorb the movements caused by thermal expansion.

BASOR ELECTRIC recommends separating the straight stretches, leaving space for the unions to act as expansion joints which will allow these movements. The length of the stretch of trays, the difference in service temperature and the material used shall determine the maximum straight stretch necessary to install a union which will behave as an expansion joint.

In systems which include PVC cable trays and which have to put up with strong temperature changes, BASOR recommends separating the stretches in the trays 10 mm one from the other, due to the high linear expansion coefficient of the material.

DISTANCE BETWEEN EXPANSION JOINTS FOR A MOVEMENT OF 20 mm

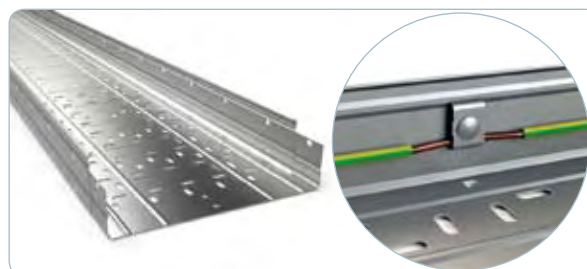
Difference in temperature °C	Steel m	Stainless Steel m	Aluminium m
30	99	60	45
50	51	36	27
70	36	24	21

ELECTRICAL CONTINUITY

As stated in Standard UNE-EN IEC 61537, cable conduction systems are classified into two groups, depending on their capacity to conduct an electric current, entitled "Systems with electrical continuity" and "Systems without electrical continuity".

In cable trays systems with electrical continuity, we shall have to ensure that the same level of power runs throughout the whole system.

In tray systems or tray systems without electrical continuity, we shall have to ensure that the resistance of the material's surface is high enough so as to avoid danger in case of a leak.

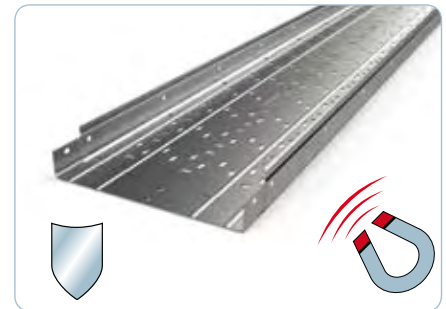


Cable conduction systems are passive elements, in their normal use, with respects to electromagnetic influences, to emissions and to immunity.

If a metallic cable conduction system displays good electrical continuity and is connected to an equipotential bonding ground, the cable's disruption connection decreases, improving the Electromagnetic Compatibility (EMC).

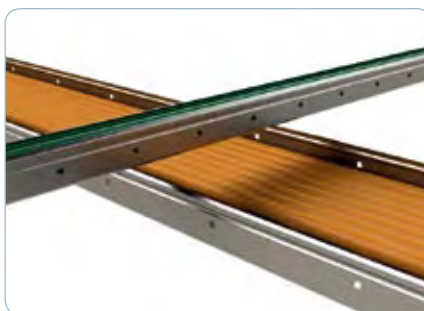
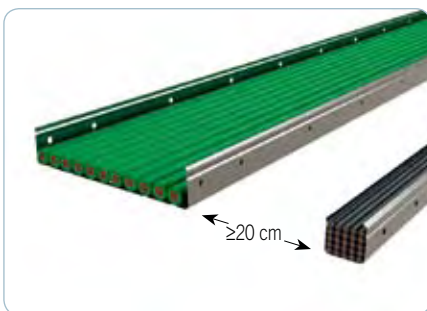
Moreover, if the cable conduction system with electrical continuity is composed by the tray and its cover, its degree of protection against disruptions improves considerably.

Cable conduction systems without electrical continuity do not protect against electromagnetic fields. In this case, the only solution to improve the electromagnetic compatibility is to increase the distance between the cable management systems.

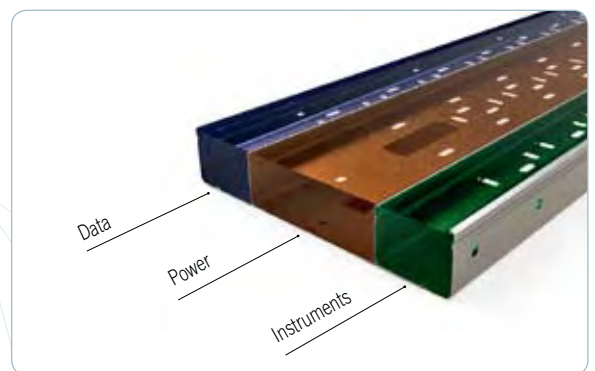


BASOR recommends:

- Separating power and data circuits more than 20 cm
- Circuits must cross one another at an angle of 90°
- Connect the cable management systems to the equipotential ground network every 30 m.



In places where space is limited, different circuits can be installed in one sole cable management system, separated by a metallic divider.

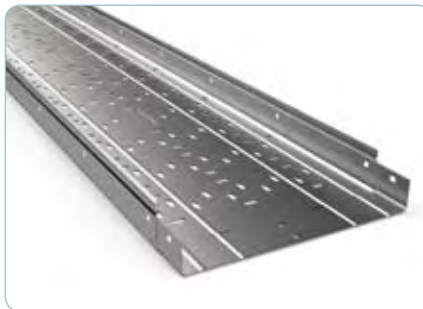


When a cable conduction system is being installed, various factors which affect the total cost of the system have to be taken into consideration; however, the cost of the materials must not be a decisive factor.

These types of systems involve the following costs:

- **The cost of the cable tray:** It is the cost derived from the supplying of the cable trays and of all the accessories required for its assembly (such as bolts, union joints, covers, etc.)
- **The cost of the supports:** It is the cost derived from the supplying of all the supports, as well as their corresponding anchorage elements for ceiling, wall or floor.
- **The cost of the labour for installing the supports:** For installing the supports on the surface on which they have to be mounted (ceiling, wall or floor), as well as the drilling of such surfaces, and the set-up of the corresponding anchorage elements for a good fixation.
- **The cost of the labour for the placing of the cable tray:** Understood as the uniting of the different stretches and the fixing of the supports.
- **The cost of the bolts:** The cost of all the bolts used in the system, both for the uniting of the different stretches and for uniting the tray and the supports.

With regards to all of this, Basor Electric recommends (in order for the installation to be more efficient) bearing in mind all of the abovementioned costs, in accordance with the system's characteristics in kg/m.



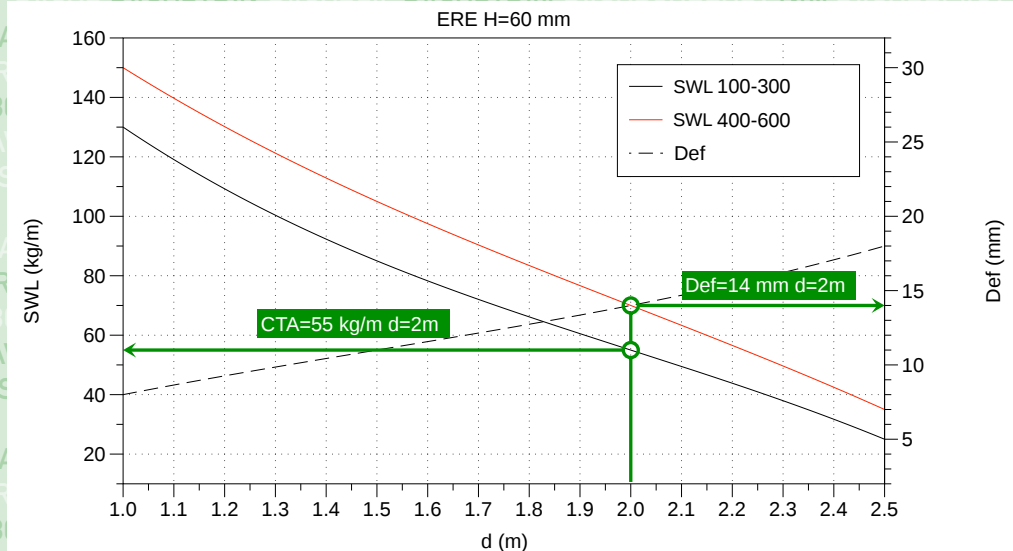
$$\frac{\text{€ of the support system}}{\text{support span (d)}} + \frac{\text{€}}{\text{m}} \text{ of the canalisation} = \frac{\text{€}}{\text{m}} \text{ of the system}$$

To sum it up, we can conclude that using reinforced products (due to the fact that they are able to support greater loads and depending on each case) may save installation costs, both regarding the number of supports needed (greater distance between them) and in the labour needed to set them up and join them to the cable tray, up to the point where the global installation cost is lower than when using cheaper products.

BASOR ELECTRICS uses graphs to represent the save working load values corresponding to the different products:

CABLE TRAYS

The graph represents the distance between supports $d(m)$ on the horizontal axis, the SWL (kg/m) on the left vertical axis and deflection (mm) in the centre of the support span on the right vertical axis.

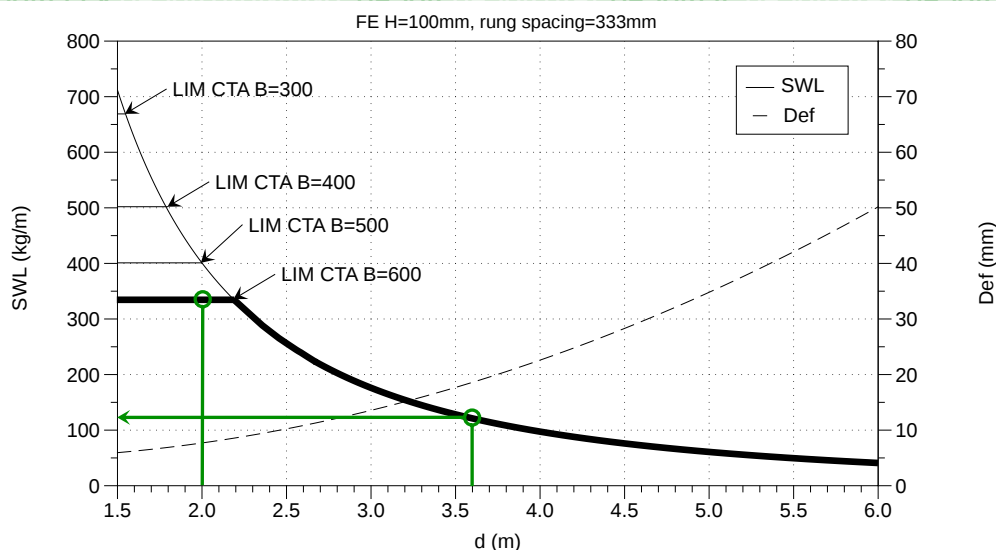


In order to find out the SWL corresponding to the tray ERE 200x60 placed at 2 m, one must search for the value 2 on the horizontal axis, go up to meet the corresponding SWL curve and obtain (on the left vertical axis) the value of its SWL which, for this piece of equipment, is equal to 55 kg/m. If one goes up to meet the deflection curve (right vertical axis), the obtained deflection value at the centre of the support span is of 14 mm.

In the case of ladder type cable trays, there are SWL values which are limited by the load which the rung is capable of supporting and not by the total value.

For example, for the FE 600x100 cable ladder, the SWL has an approximated limited maximum value of 335 kg/m.

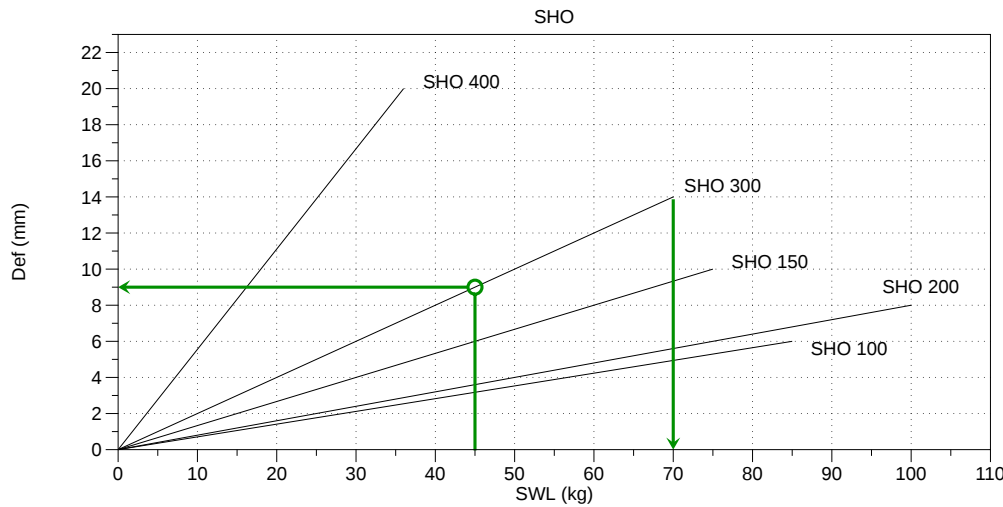
The following graph highlights the curve for B=600.



Therefore, for a span length of 2 m, the SWL would be 335 kg/m whilst for a span length of 3.6 m, the SWL would be 120 kg/m.

HORIZONTAL SUPPORTS

This graph represents the SWL (kg) on the horizontal axis and the deflection on the edge of the horizontal support on the vertical axis.



For the SHO 300 support, if we draw a straight line which goes down to meet the horizontal axis, we observe that the SWL correspondent to the SHO 300 support is 70 kg.

In order to find out the SHO 300 support's deflexion with a load of 45 kg, we search for the value 45 on the horizontal axis and draw a line upwards to meet the corresponding curve to obtain (on the left vertical axis) the value of its deflexion, equivalent to 9 mm in this example.

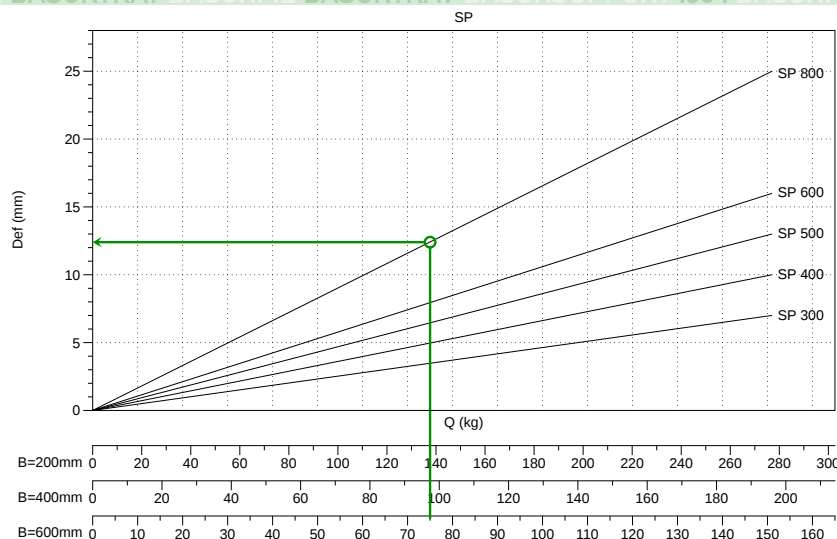
PENDANTS

3.1 Load on one side:

Should the horizontal supports which are united to the pendant be on one side, the simplified graph which shows the 3 predetermined horizontal support widths on the horizontal axis and the deformation on the left vertical axis can be used.

In order to find out if you can use an SP800 as a pendant with three supports, two with a width of B=400 equivalent to 30 kg each and one with a width of B=500 equivalent to 15 kg, all located on the same side of the pendant, the following steps must be followed:

- The total load is $Q = 2 \times 30 + 15 = 75$ kg
- The width B=500 is selected, being the greatest of among the horizontal supports. As width B=500 is not shown on the horizontal axes, select the next in size which, in this case, is B=600.
- Look for the intersection with the straight line corresponding to SP800.
- Check that you are within the SWL values (that is to say, that it does effectively intersect with the straight line corresponding to SP800). On the vertical axis, one may observe the pendant's deflection which, in this example, is equivalent to 13 mm.



3.2 Load on both sides:

Should there be horizontal supports on both sides of the pendants, then the safety area graph is used.

As an example, we shall consider the case of an SP600 support with two horizontal supports on the right hand side and one on the left hand side:

- One B=300 (40 kg) and the other B=600 (55 kg) on the right hand side
- One B=400 (50 kg) on the left hand side

We add up the total load.

$$F_{tot} = \sum_i F_i$$

$$F_{tot} = 40 + 55 + 50 = 145 \text{ kg}$$

We add up the momentums of the loads on each side,

$$M_{right} = \sum_i F_{i_{right}} \times \left(\frac{B_{i_{left}} + 50}{2000} \right)$$

$$M_{right} = 40 \times 0.175 + 55 \times 0.325 = 24.875 \text{ kg}\cdot\text{m}$$

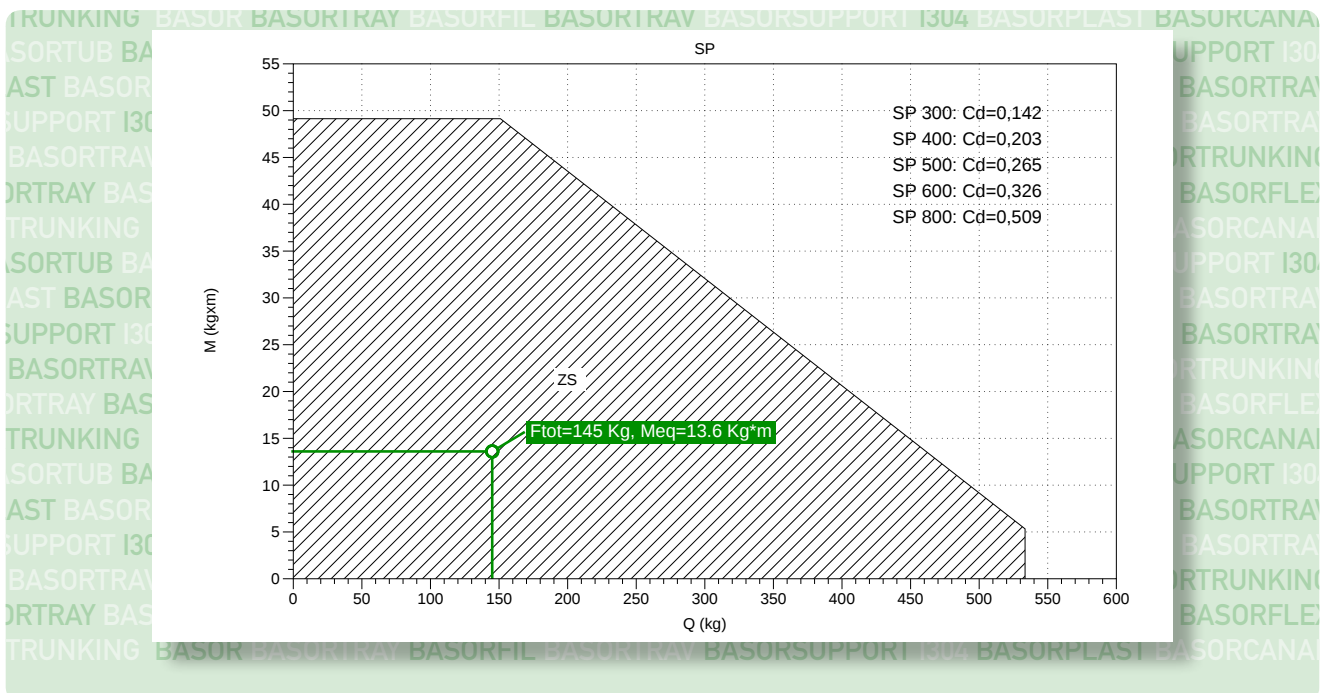
$$M_{left} = \sum_i F_{i_{left}} \times \left(\frac{B_{i_{left}} + 50}{2000} \right)$$

$$M_{left} = 50 \times 0.225 = 11.25 \text{ kg}\cdot\text{m}$$

We calculate the equivalent momentum as the difference between the momentums of both sides

$$M_{eq} = M_{right} - M_{left} = 24.875 - 11.25 = 13.625 \text{ kg}\cdot\text{m}$$

Once we have calculated this data (F_{tot} , M_{eq}) we may consult the graph and check that we are within the safety working area.



To calculate the pendant's maximum deflection, we must multiply the SP600's deformation coefficient by the equivalent momentum.

$$\text{Deformation} = M_{eq} \times Cd = 13.625 \times 0.326 = 4.44 \text{ mm}$$

UNIT CONVERSION TABLE

A	B	A → B	B → A
		MULTIPLY BY	
Length			
metres (m)	feet (ft)	3.28084	0.30480
metres (m)	inches (in)	39.37008	0.02540
Area			
metres squared (m²)	(ft²)	10.76391	0.092903
metres squared (m²)	(in²)	1550.003	6.451600 x 10 ⁻⁴
Volume			
cubic metres (m³)	(ft³)	35.31466	0.028317
cubic metres (m³)	(in³)	61023.74	1.638707 x 10 ⁻⁵
Temperature			
Degrees Celsius	Degrees Fahrenheit	t(°C) = (t(°F)-32)/1.8	t(°F) = 1.8.t(°C)+32
Section properties			
Resistant module W (m³)	W (in³)	61023.74	1.638707 x 10 ⁻⁵
Inertia momentum (m⁴)	I (in⁴)	2402510	4.162314 x 10 ⁻⁷
Mass			
kilograms (kg)	pounds (lb)	2.20462	0.45359
Forze			
Newtons (N)	kilograms of force (kgf)	9.80665	0.101972
Newtons (N)	Pounds of force (lbf).	0.22481	4.448220
Par (or torsion momentum)			
Newtons metre (N·m)	(lbf·ft)	0.737562	1.355818
Newtons metre (N·m)	(lbf·in)	8.850748	0.112985
Mass per unit of length			
kilograms per metre (kg/m)	(lb/ft)	0.671969	1.488164
kilograms per metre (kg/m)	(lb/in)	0.559974	1.785797



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• SCM

CARBON STEEL

BASORTRAY

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DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:
BASORTRAY ENERGY ER
Declares that the product:
BASORTRAY ENERGY ER

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.
Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:
Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)
2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.
Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:
Is suitable and safe for the intended use and is in conformity with the following standard:
UNE EN 61537

Información adicional:
Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.
This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

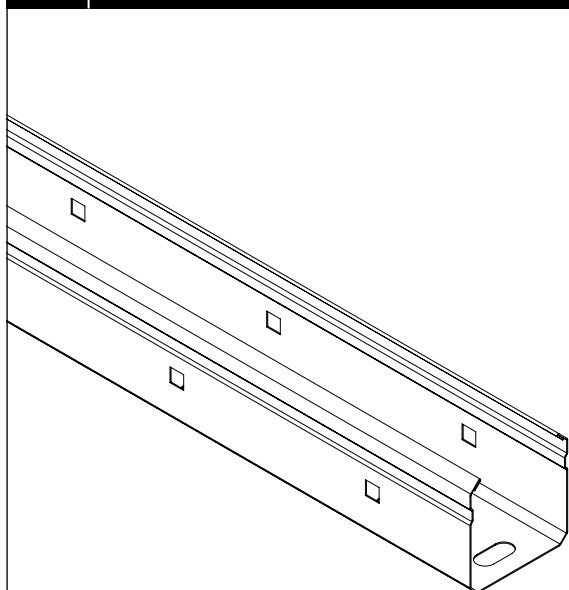
Año de fijación del marcado CE: **2009**
Year of affixing of the CE marking:

Lugar y Fecha:
Place and date:

Gandía Marzo 2009
Gandía March 2009

Departamento Técnico

ER 50x50



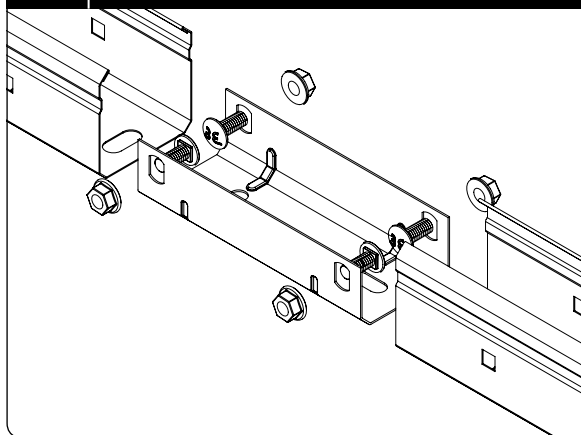
Model: 50x50

Finishes: GS; HDG

Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- System with electrical continuity characteristic
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion
 - GS coating: Class 3
 - HDG coating: Class 5
- Classification according to the free base area:
 - Non-perforated tray: Classification A
 - Perforated tray: Classification B
- Impact resistance: 5J

INSTRUCTIONS FOR USE

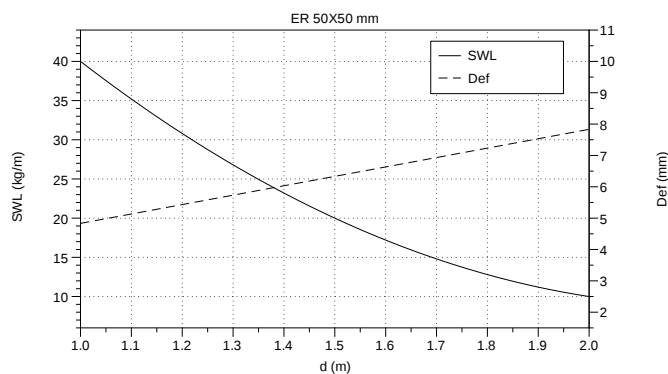


- For the assembly of the tray, a "U" shape union joint is used. In order to fix the joint, four B1 bolts are needed.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

Accessories:

This family has the following accessories: Cover, horizontal bend, vertical inside, vertical outside, coupler.

SAVE WORKING LOAD



DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:
BASORTRAY ENERGY ER CON TAPA ER
Declares that the product:
BASORTRAY ENERGY ER WITH COVER ER

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.
Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:
Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)
2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.
Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

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UNE EN 61537

Información adicional:
Additional information:

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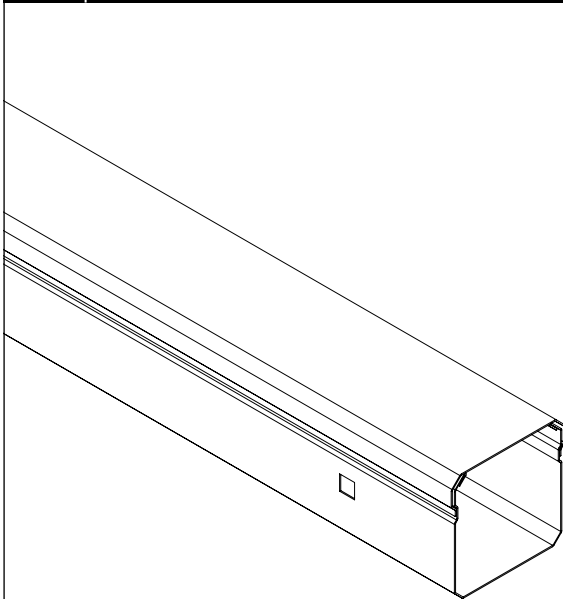
Año de fijación del marcado CE: **2009**
Year of affixing of the CE marking:

Lugar y Fecha:

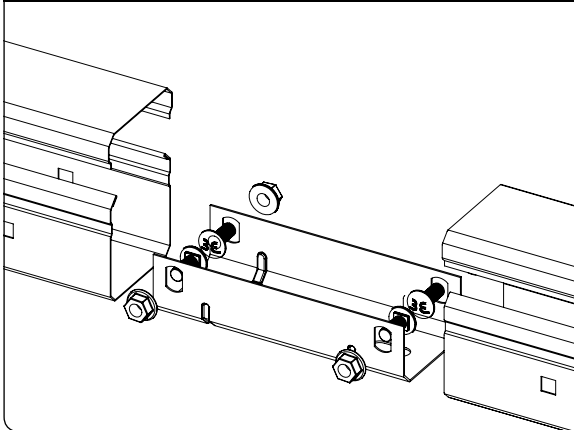
Place and date:

Gandía Marzo 2009
Gandía March 2009

Departamento Técnico

ER 50x50+COVER**Model:** 50x50**Finishes:** GS; HDG**Characteristics of the trunking:**

- Metallic system
- Impact resistance: 5J
- Minimum storage temperature of -45 °C
- Minimum installation temperature of -25 °C
- Maximum temperature of 120 °C
- Non-flame propagating component
- System with electrical continuity characteristic
- Without electrical insulating characteristic
- Level of protection:
 - Non-perforated ER 50x50 + ER 50 cover: IP34
 - Perforated ER 50x50 + ER 50 cover: IP23
- Interior and exterior medium level protection against corrosive substances
- With access cover which can be opened without the need of tools
- Possibility of additional partition wall for internal protection.

INSTRUCTIONS FOR USE

- For the assembly of the tray, a "U" shape union joint is used. In order to fix the joint, four B1 bolts are needed.
- The cover can be fixed by applying pressure.
- The tray installation for an electrical system should NOT run under other types of canalizations such as water, vapour or gas canalizations.
- To guarantee a good ventilation, we recommend installing the closed cable trays keeping a minimum distance of 250 mm between each tray.
- Closed cable trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

Accessories:

This family has the following accessories: Horizontal bend, vertical inside, vertical outside, coupler.

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:
BASORTRAY ENERGY ERE
Declares that the product:
BASORTRAY ENERGY ERE

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.
Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:
Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)
2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.
Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:
Is suitable and safe for the intended use and is in conformity with the following standard:
UNE EN 61537

Información adicional:
Additional information:

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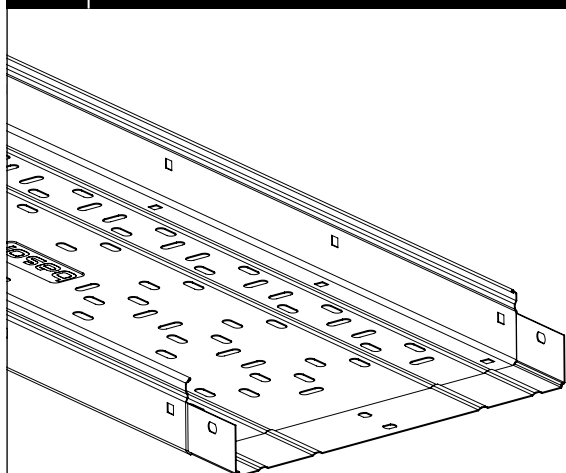
Año de fijación del marcado CE: **2009**
Year of affixing of the CE marking:

Lugar y Fecha:
Place and date:

Gandía Marzo 2009
Gandía March 2009

Departamento Técnico

ERE



Models (BxH):

100x35; 150x35; 200x35; 300x35; 100x60; 150x60; 200x60; 300x60; 400x60; 500x60; 600x60; 100x80; 150x80; 200x80; 300x80; 400x80; 500x80; 600x80; 100x100; 150x100; 200x100; 300x100; 400x100; 500x100; 600x100.

Finishes: GS; HDG

Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- System with electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion
 - GS coating: Class 3
 - HDG coating: Class 5
- Impact resistance: 20J

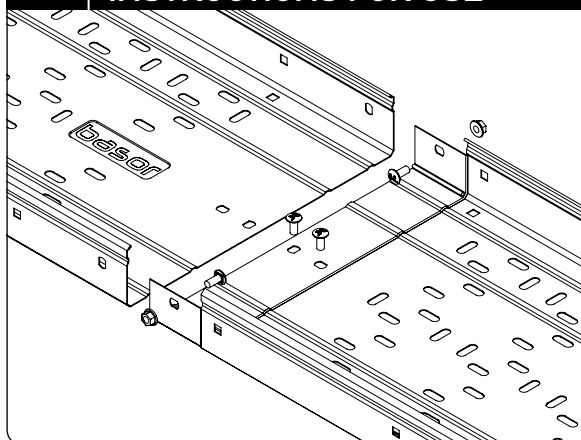
- Classification according to the free base area:

Non-perforated tray: A

Perforated tray:

Base Models	Classification
100	C
150	B
200	C
300	C
400	C
500	C
600	C

INSTRUCTIONS FOR USE

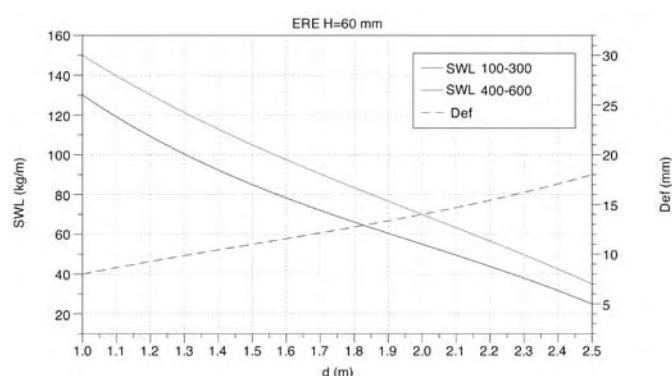
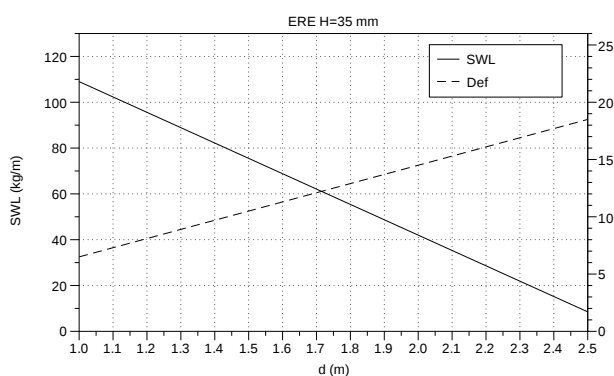


- For the set-up of the self-assembly system, four B1 sets are needed.
- The tray installation for an electrical system should NOT run under other types of canalizations such as water, vapour or gas canalizations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

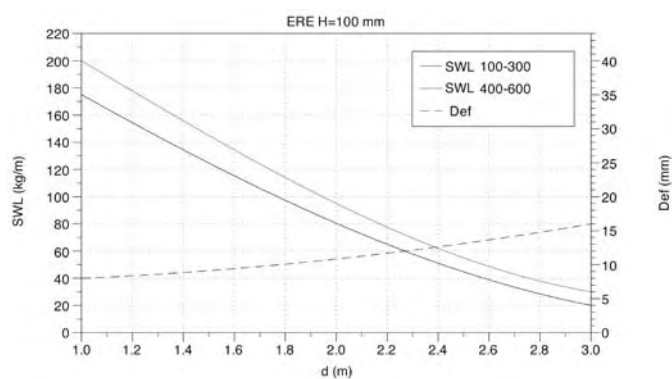
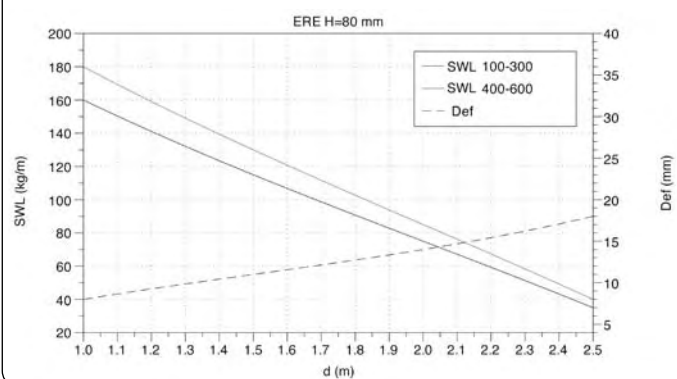
Accessories:

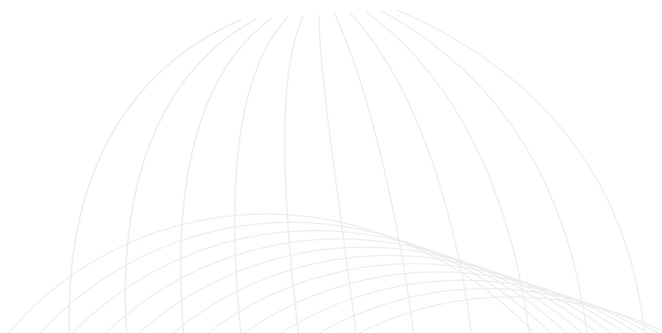
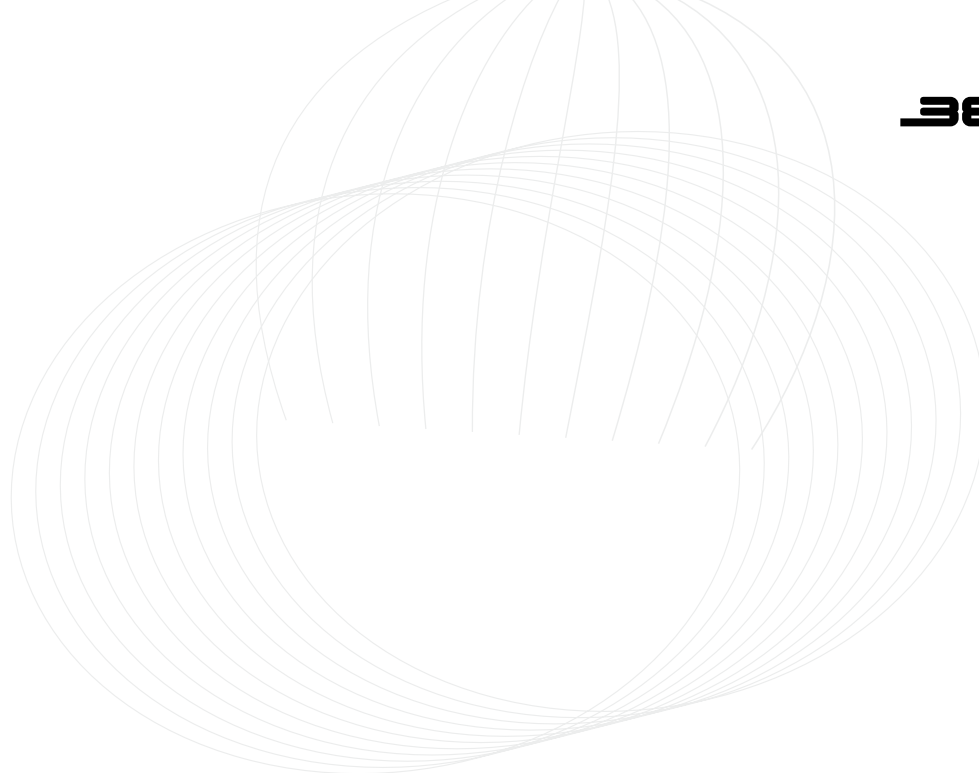
This family has large array of accessories: Cover, divider, horizontal bend, vertical inside, vertical outside, T intersection, AS intersection, joint plate, adjustable joint and angle joint.

SAVE WORKING LOAD



SAVE WORKING LOAD





DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:
BASORTRAY ENERGY ERE CON TAPA ERE

Declares that the product:
BASORTRAY ENERGY ERE WITH COVER ERE

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:
Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)
2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.
Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

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Información adicional:
Additional information:

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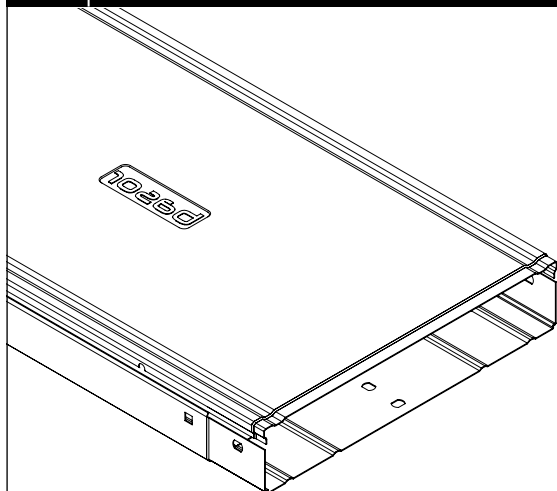
Año de fijación del marcado CE: **2009**
Year of affixing of the CE marking:

Lugar y Fecha:
Place and date:

Gandía Marzo 2009
Gandía March 2009

Departamento Técnico

ERE+COVER

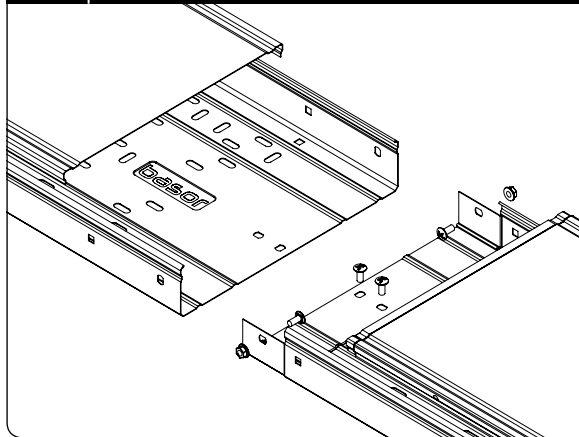
**Models (BxH):**

100x35; 150x35; 200x35; 300x35; 100x60; 150x60; 200x60; 300x60; 400x60; 500x60; 600x60; 100x80; 150x80; 200x80; 300x80; 400x80; 500x80; 600x80; 100x100; 150x100; 200x100; 300x100; 400x100; 500x100; 600x100.

Finishes: GS; HDG**Characteristics of the trunking:**

- Metallic system
- Impact resistance: 20J
- Minimum storage temperature of -45 °C
- Minimum installation temperature of -25 °C
- Maximum temperature of 120 °C
- Non-flame propagating component
- System with electrical continuity characteristic
- Without electrical insulating characteristic
- Level of protection:
 - Non-perforated ER + ER cover: IP44
 - Perforated ER + ER cover: IP23
- With medium protection outside and inside against corrosive substances
- With access cover which can be opened without the need of tools
- Possibility of additional internal protective partition.

INSTRUCTIONS FOR USE



- For the set-up of the self-assembly system, four B1 sets are needed.
- The cover can be fixed by applying pressure.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

Accessories:

This family has large array of accessories: Cover, divider, horizontal bend, vertical inside, vertical outside, T intersection, AS intersection, reduction, joint plate.

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:
BASORTRAY ENERGY FRE
Declares that the product:
BASORTRAY ENERGY FRE

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.
Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:
Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)
2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.
Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

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Año de fijación del marcado CE: **2009**
Year of affixing of the CE marking:

Lugar y Fecha:

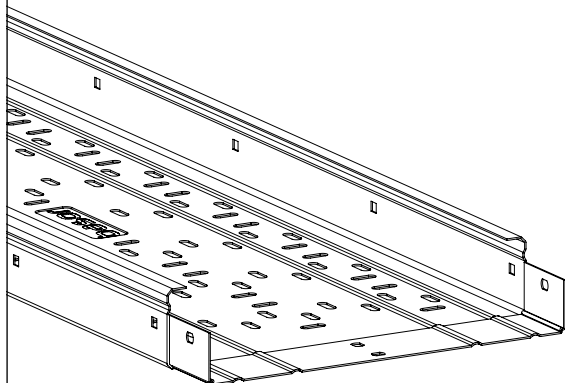
Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

FRE



Models (BxH):

100x35; 150x35; 200x35; 300x35; 100x60; 150x60; 200x60; 300x60; 400x60; 500x60; 600x60; 100x80; 150x80; 200x80; 300x80; 400x80; 500x80; 600x80; 150x100; 200x100; 300x100; 400x100; 500x100; 600x100.

Finishes: GS; HDG

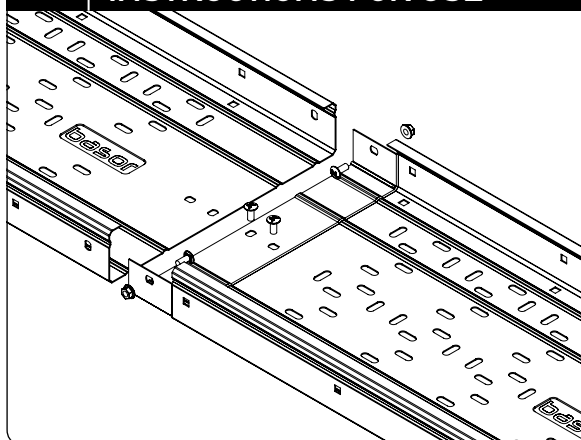
Characteristics of the cable tray:

- Metallic
- Non-flame propagating
- System with electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion
 - GS coating: Class 3
 - HDG coating: Class 5
- Impact resistance: 20J

- Classification according to the free base area:

Model	Classification
100	C
150	B
200	C
300	C
400	C
500	C
600	C

INSTRUCTIONS FOR USE



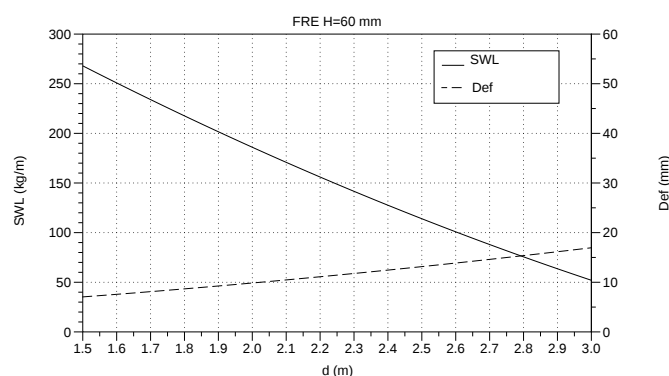
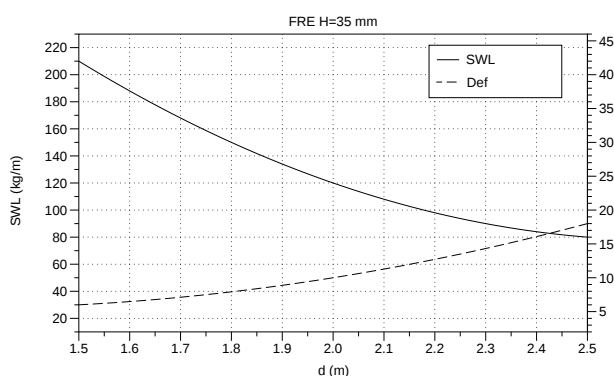
- For the set-up of the self-assembly system, four B1 sets are needed.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.

Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

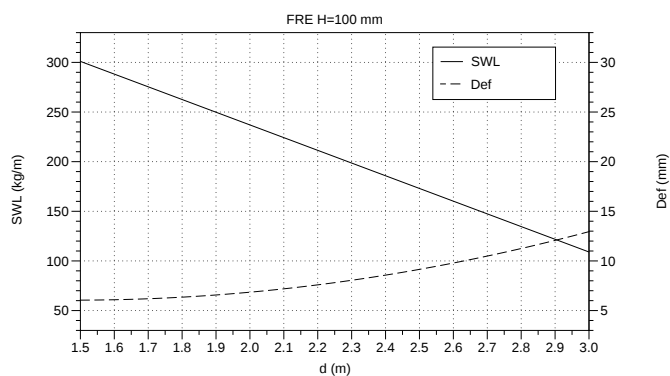
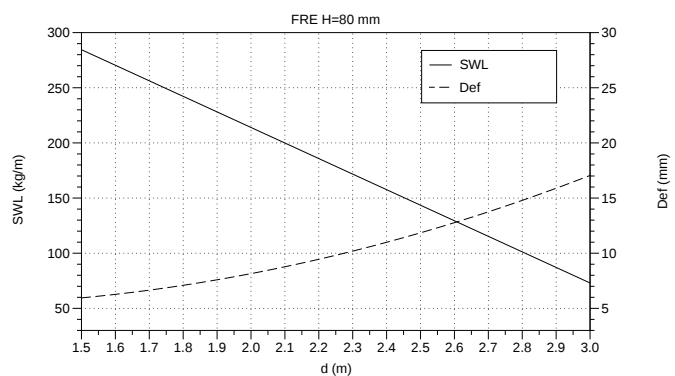
Accessories:

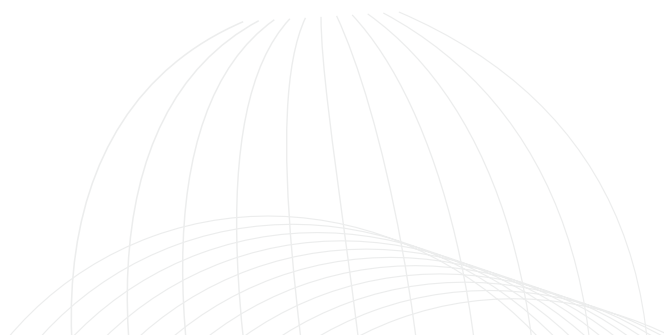
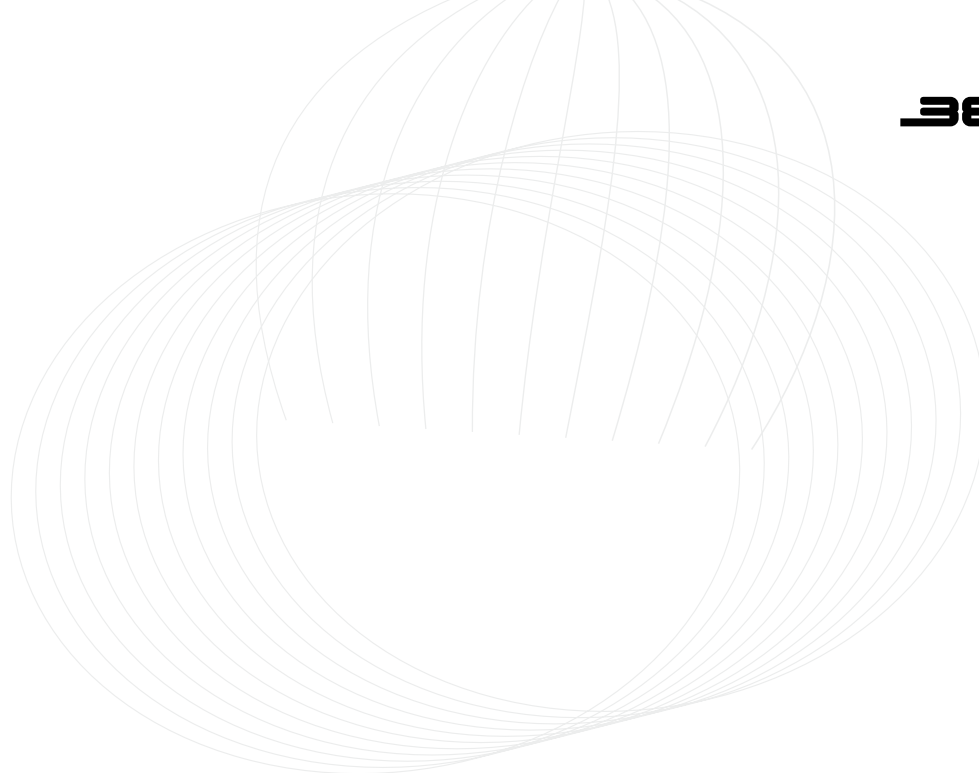
This family has large array of accessories: Cover, divider, horizontal bend, vertical inside, vertical outside, T intersection, AS intersection, reduction, joint plate, ajustable joint and angle joint.

SAVE WORKING LOAD



SAVE WORKING LOAD





DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTRAY ENERGY FRE CON TAPA

Declares that the product:

BASORTRAY ENERGY FRE WITH COVER

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

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2006/95/CEE (Low Voltage Directive)

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Información adicional:

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Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

Place and date:

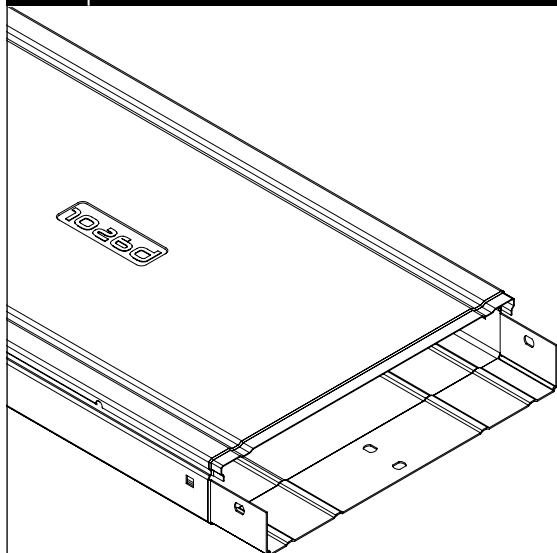
Gandía Marzo 2009

Gandía March 2009

Departamento Técnico



FRE+COVER

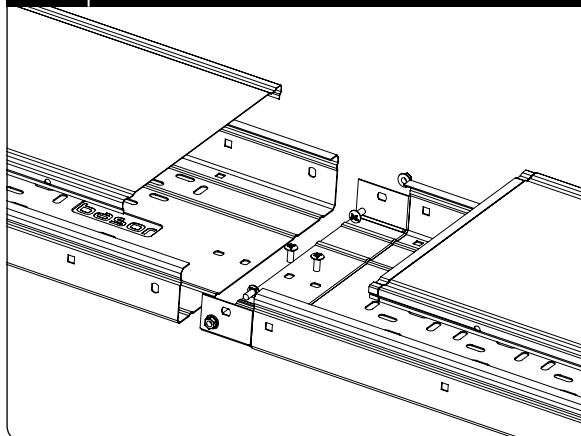
**Models (BxH):**

100x35; 150x35; 200x35; 300x35; 100x60; 150x60; 200x60; 300x60; 400x60; 500x60; 600x60; 100x80; 150x80; 200x80; 300x80; 400x80; 500x80; 600x80; 150x100; 200x100; 300x100; 400x100; 500x100; 600x100.

Finishes: GS; HDG**Characteristics of the trunking:**

- Metallic system
- Impact resistance: 20J
- Minimum storage temperature of -45 °C
- Minimum installation temperature of -25 °C
- Maximum temperature of 120 °C
- Non-flame propagating component
- System with electrical continuity characteristic
- Without electrical insulating characteristic
- Level of protection:
 - Non-perforated FRE + ERE/FRE cover: IP44
 - Perforated FRE + ERE/FRE cover: IP23
- With medium protection outside and inside for GS; With high protection outside and inside for HDG.
- With access cover which can be opened without the need of tools
- Possibility of additional internal protective partition.

INSTRUCTIONS FOR USE



- For the set-up of the self-assembly system, four B1 sets are needed.
- The tray installation for an electrical system should NOT run under other types of canalizations such as water, vapour or gas canalizations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

Accessories:

This family has large array of accessories: Cover, divider, horizontal bend, vertical inside, vertical outside, T intersection, AS intersection, reduction, joint plate.

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY

basor
ELECTRIC
www.basor.com



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTRAY BS

Declares that the product:

BASORTRAY BS

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)

2006/95/CEE (Low Voltage Directive)

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Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61537

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

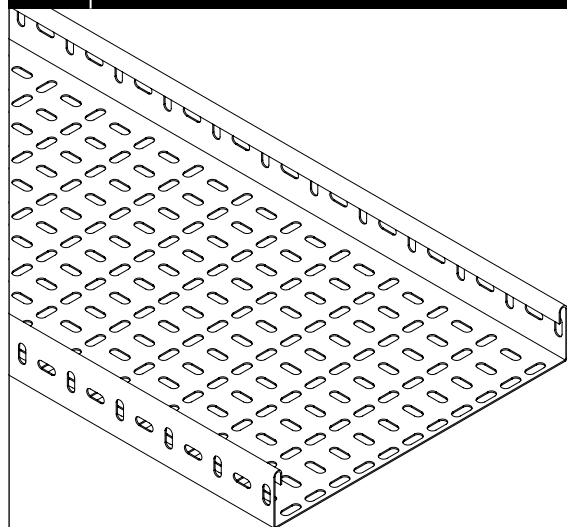
Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

BS



Models (BxH):

75x50; 100x50; 150x50; 225x50; 300x50; 450x50; 600x50.

Finishes: GS; HDG

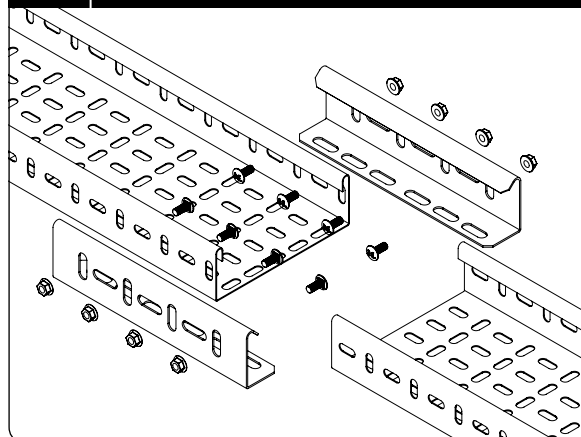
Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- System with electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion
 - GS coating: Class 3
 - HDG coating: Class 5
- Impact resistance: 20J

- Classification according to the free base area:

Base Models	Classification
75	B
100	C
150	C
225	C
300	C
450	C
600	C

INSTRUCTIONS FOR USE

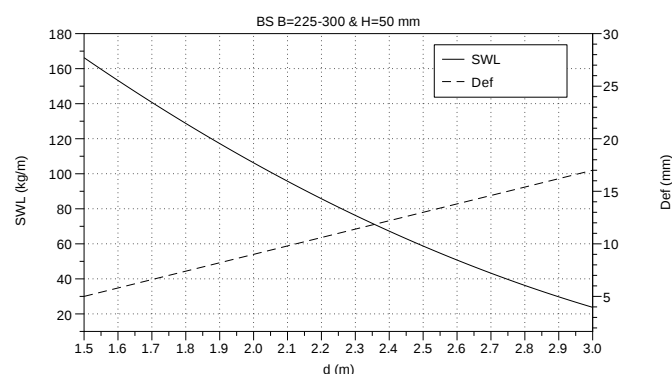
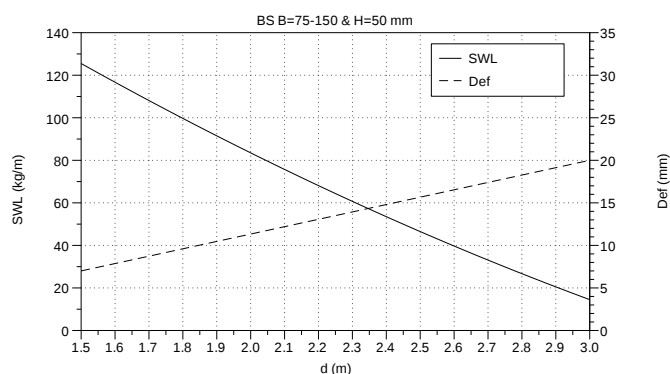


- For the assembly of the trays, two union joints with four B1 sets are needed for each tray.
- The tray installation for an electrical system should NOT run under other types of canalizations such as water, vapour or gas canalizations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

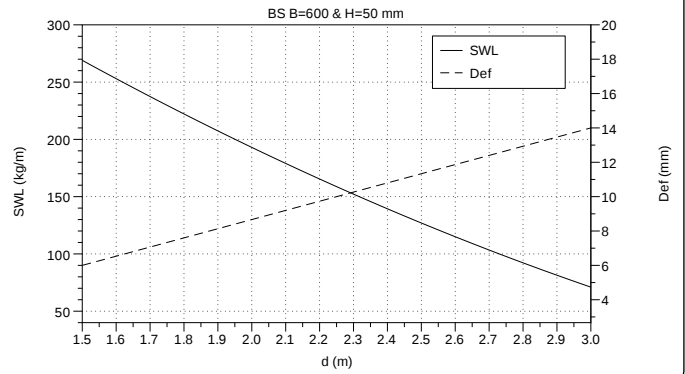
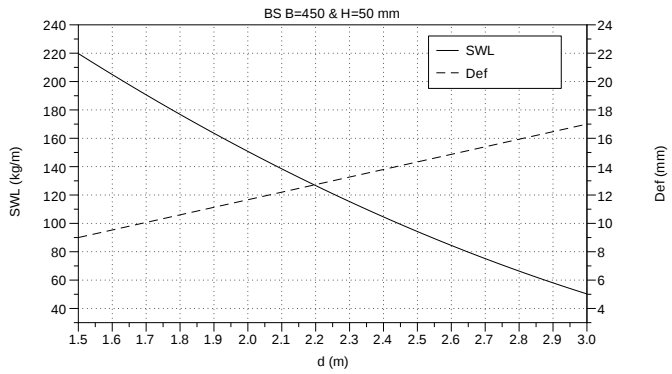
Accessories:

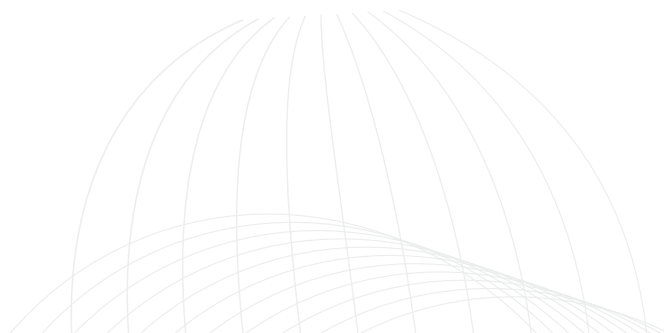
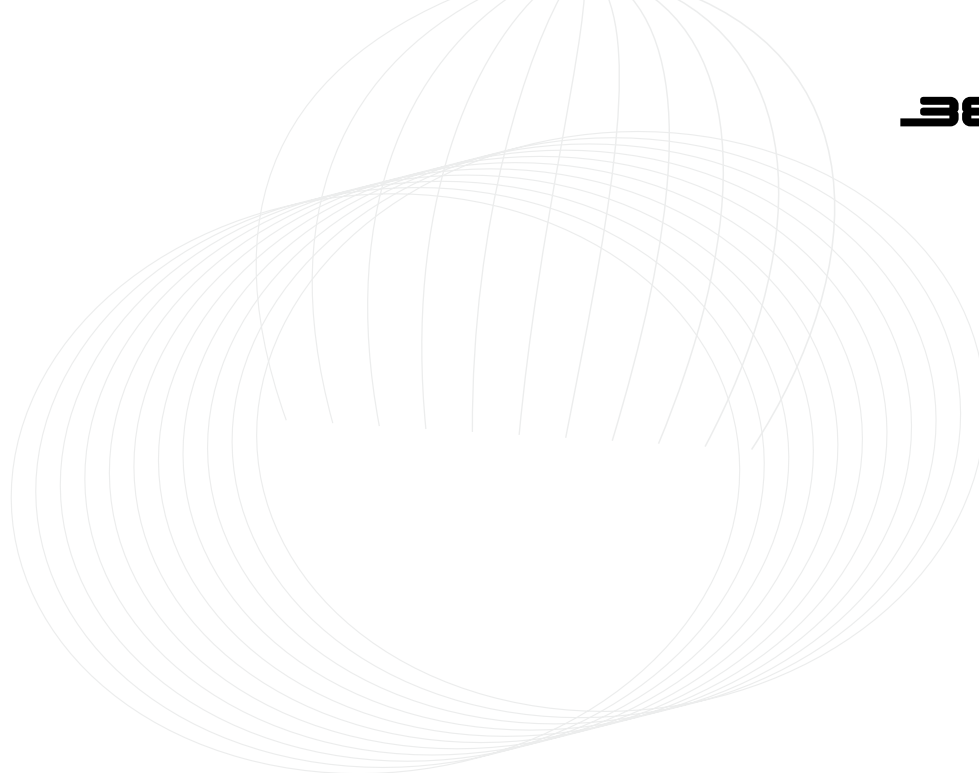
This family has large array of accessories: Cover, divider, horizontal bend, vertical inside, vertical outside, T intersection, AS intersection, reduction, inside joint plate, outside joint.

SAVE WORKING LOAD



SAVE WORKING LOAD





DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTRAY U

Declares that the product:

BASORTRAY U

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)

2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61537

Información adicional:

Additional information:

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This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

2009

Year of affixing of the CE marking:

Lugar y Fecha:

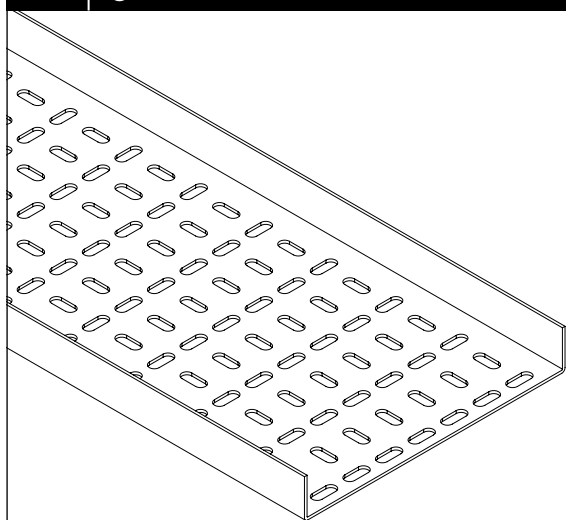
Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

U



Models (BxH):

50x15; 100x15; 150x15; 200x15; 300x15; 50x30; 100x30; 150x30; 200x30; 300x30; 50x50; 100x50; 150x50; 200x50; 300x50; 400x50; 500x50; 600x50.

Finishes: HDG

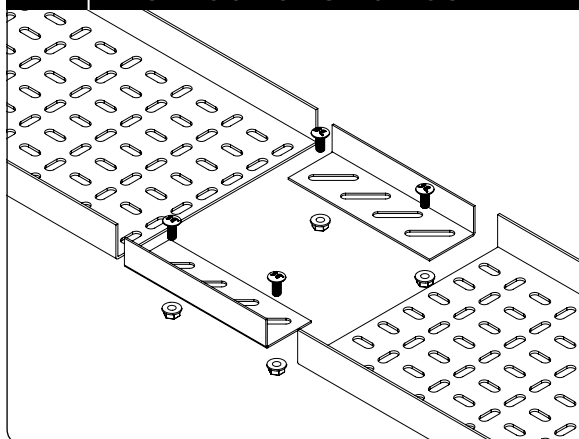
Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- System with electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion
HDG coating: Class 6
- Impact resistance: 20J

- Classification according to the free base area:

Base Models	Classification
50	B
100	C
150	C
200	C
300	C
400	C
600	C

INSTRUCTIONS FOR USE

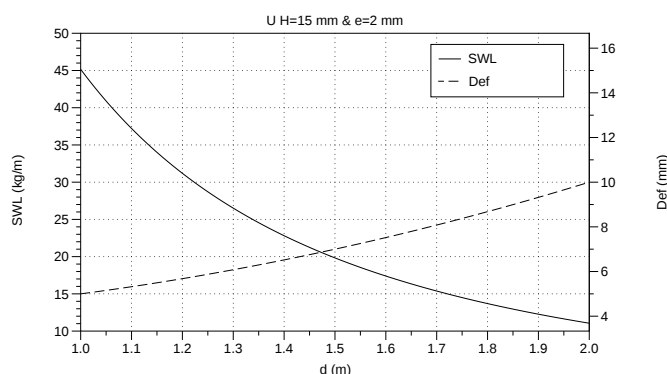


- For the assembly of the trays, two union joints with two B1 sets are needed for each tray.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

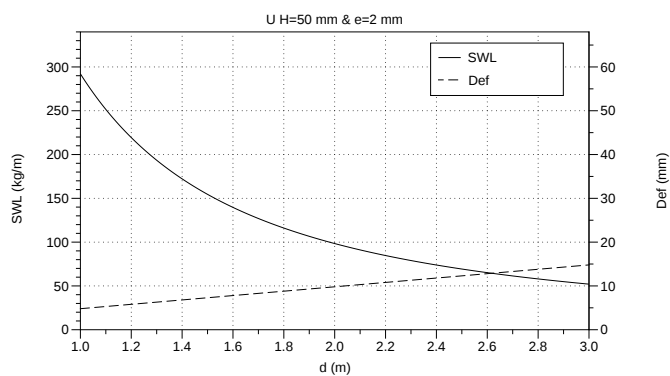
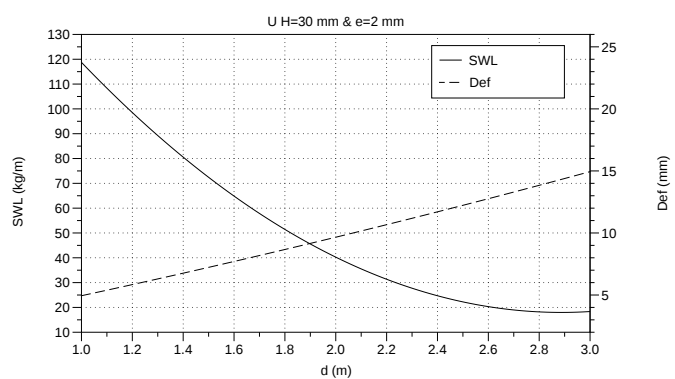
Accessories:

This family has large array of accessories: Cover, divider, horizontal bend, vertical inside, vertical outside, T intersection, JUE joint.

SAVE WORKING LOAD



SAVE WORKING LOAD



DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTRAY OMEGA

Declares that the product:

BASORTRAY OMEGA

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)

2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61537

Información adicional:

Additional information:

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Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

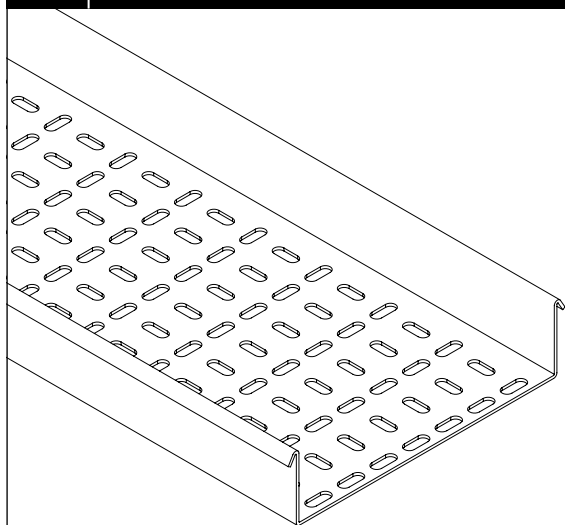
Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

OMEGA



Models (BxH):

50x20; 100x20; 150x20; 200x20; 300x20; 50x30; 100x30; 150x30; 200x30; 300x30; 50x50; 100x50; 150x50; 200x50; 300x50; 400x50; 500x50; 600x50.

Finishes: HDG

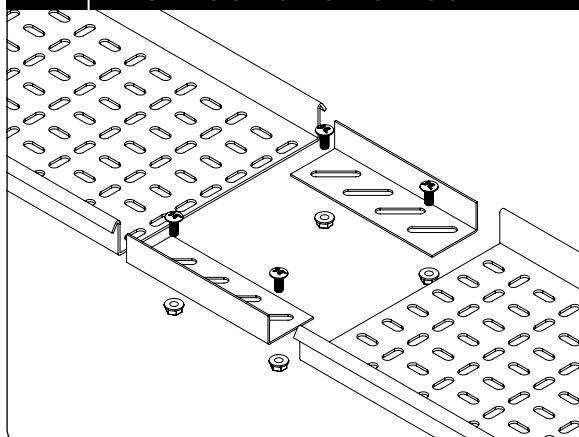
Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- System with electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion
HDG coating: Class 6
- Impact resistance: 20J

- Classification according to the free base area:

Model	Classification
50	B
100	C
150	C
200	C
300	C
400	C
600	C

INSTRUCTIONS FOR USE

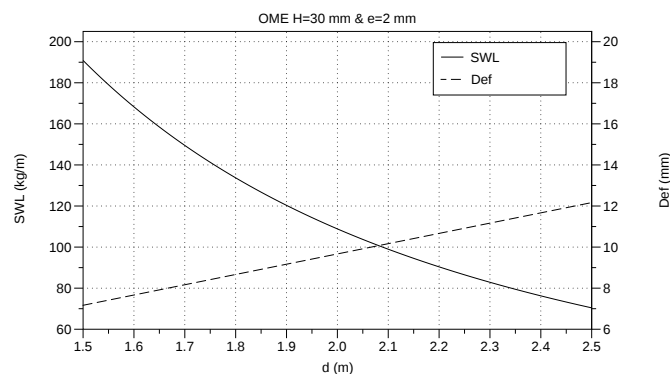
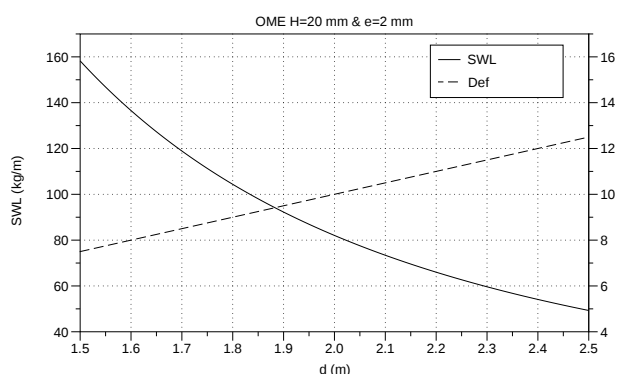


- For the assembly of the trays, two union joints with two B1 sets are needed for each tray.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

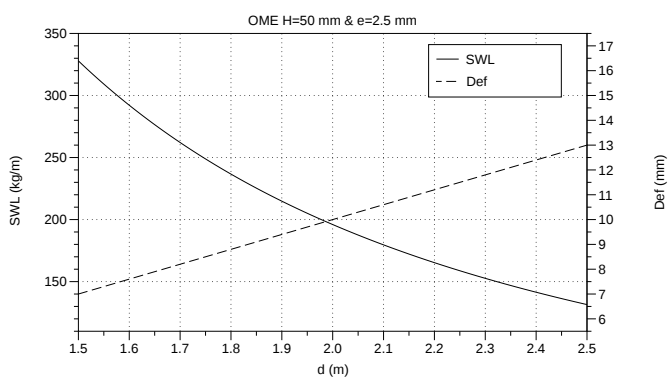
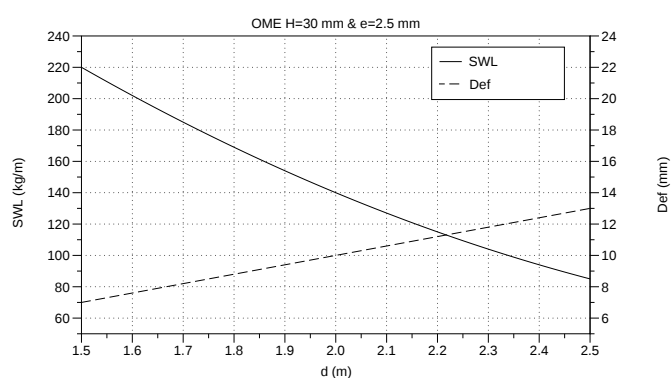
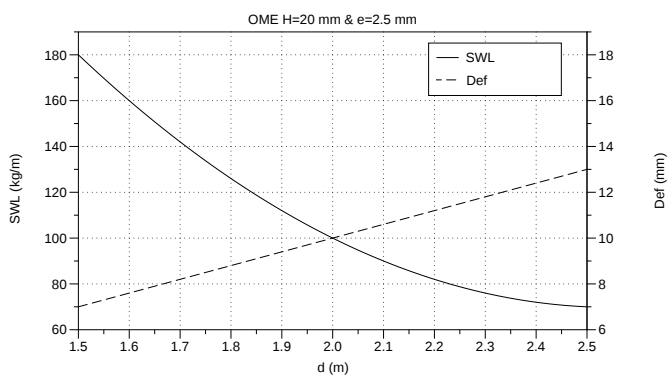
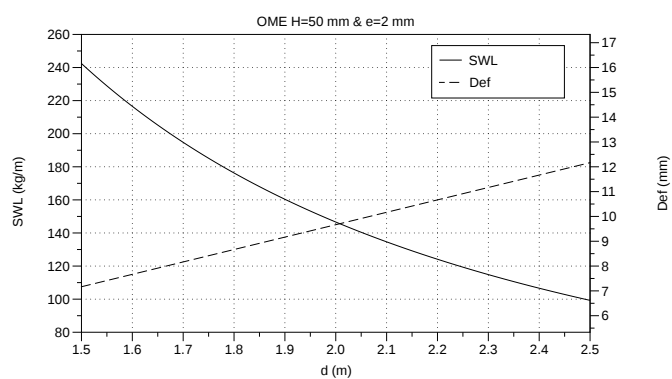
Accessories:

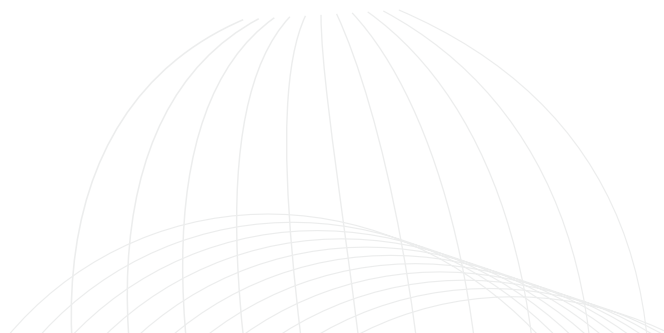
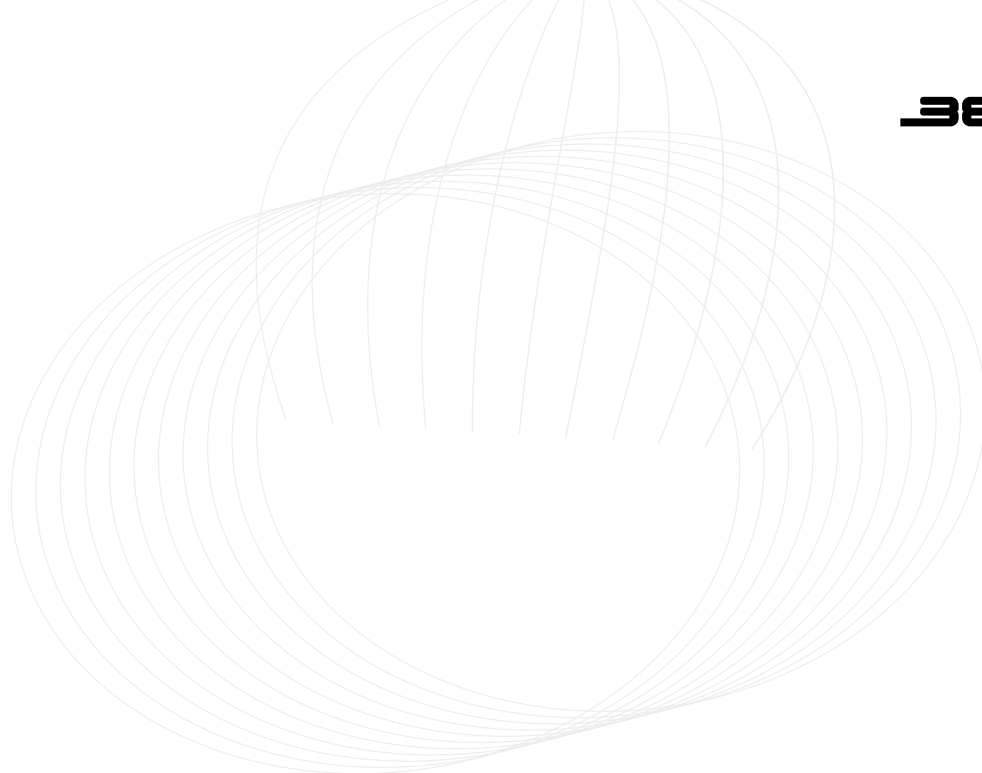
This family has large array of accessories: Cover, divider, horizontal bend, vertical inside, vertical outside, T intersection, JUE joint.

SAVE WORKING LOAD



SAVE WORKING LOAD





DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORFIL BFR

Declares that the product:

BASORFIL BFR

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)

2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61537

Información adicional:

Additional information:

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This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORFIL BF

Declares that the product:

BASORFIL BF

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)

2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

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UNE EN 61537

Información adicional:

Additional information:

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This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

BF/BFR

Models (BxH):

100x35; 150x35; 200x35; 300x35; 60x65; 100x65; 150x65; 200x65; 300x65; 400x65; 500x65; 600x65; 200x105; 300x105; 400x105; 500x105; 600x105.

Finishes: Cincado; HDG

Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- System with electrical continuity characteristic
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

Cincado coating: Class 2

HDG coating: Class 6

- Classification according to the free base area:

Base Models	Classification
60	Z
100	Y
150	Y
200	Y
300	Y
400	Y
500	Y
600	Y

INSTRUCTIONS FOR USE

- Trays with heights of 65 and 105 are assembled using a quick union joint on each side and do not require bolts.
- Ensemble bolts BF can also be used.
- From width 300 onwards, an ensemble bolt BF is added and placed on the centre of the base.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

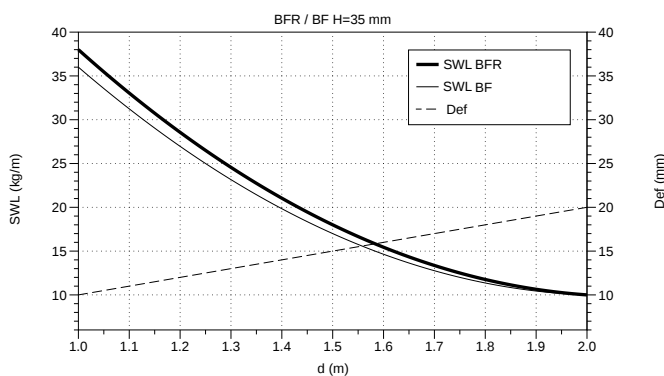
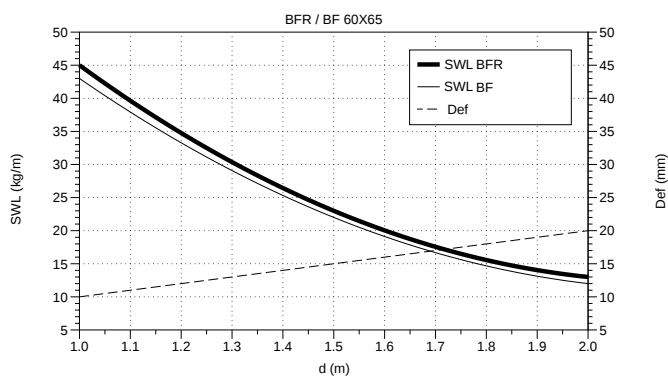
Accessories:

This family has the following accessories: Cover, divider, drop-out plate.

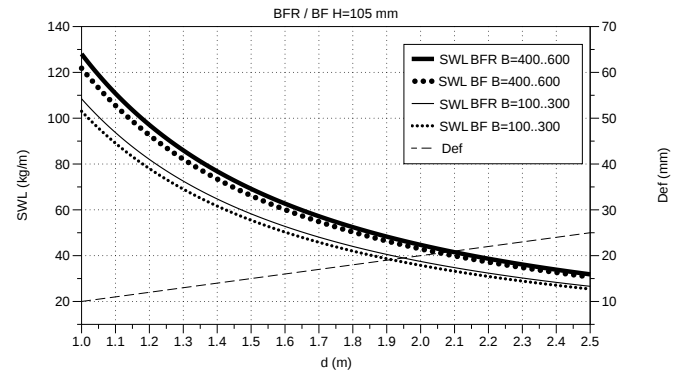
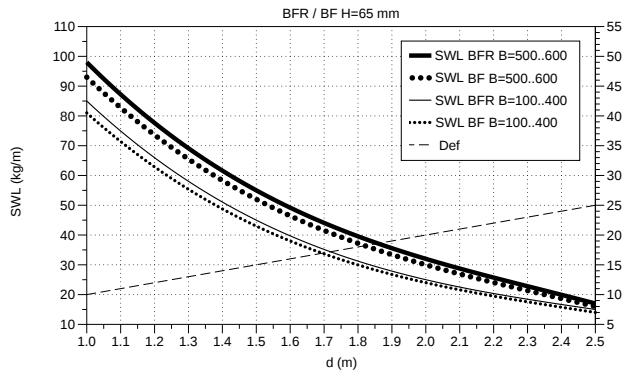
Union elements: Quick joint, set bolt-staple, lateral joint, set bolt BF-nut and multi-union joint.

Fixation elements: SSC, double SL, simple SL, universal support box, mini universal support box.

SAVE WORKING LOAD



SAVE WORKING LOAD



DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTRAV FE

Declares that the product:

BASORTRAV FE

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)

2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

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Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61537

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

2009

Year of affixing of the CE marking:

Lugar y Fecha:

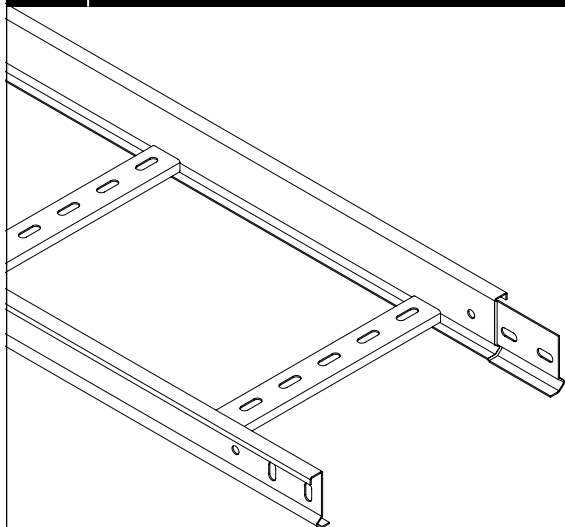
Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

FE H60

**Models (BxH):**

100x60; 150x60; 200x60; 300x60; 400x60; 500x60; 600x60.

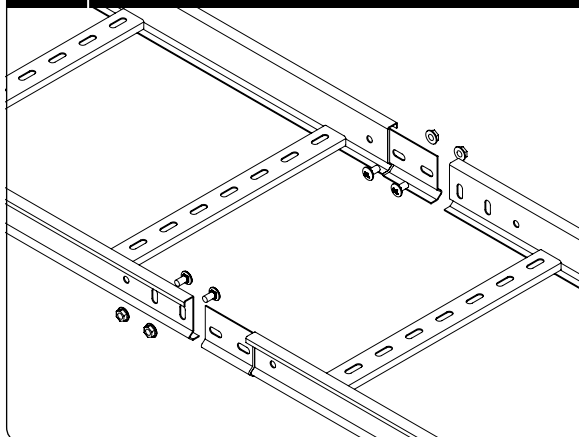
Finishes: HDG**Characteristics of the cable tray:**

- Metallic
- Non-flame propagating component
- System with electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion
HDG coating: Class 6
- Impact resistance: 20J

- Classification according to the free base area:

Base Models	Classification
100	X
150	X
200	Y
300	Y
400	Y
500	Y
600	Y

INSTRUCTIONS FOR USE



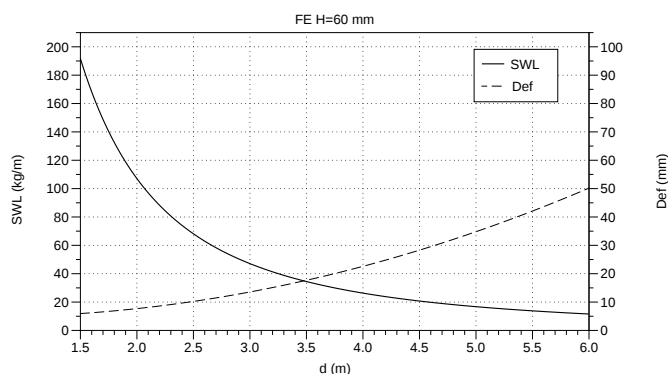
- For the set-up of the self-assembly system, four B2 sets are needed.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

Accessories:

This family has large array of accessories: Cover, divider, horizontal bend, articulated vertical inside-outside, T intersection, cross intersection, reduction, FE clamp, H60 joint plate, articulated union joint, angle joint.

The minimum radius for the accessories is of 100 mm.

SAVE WORKING LOAD



FE H75/100/120/150

Models (BxH):

100x75; 150x75; 200x75; 300x75; 400x75; 500x75; 600x75; 100x100; 150x100; 200x100; 300x100; 400x100; 500x100; 600x100; 150x120; 200x120; 300x120; 400x120; 500x120; 600x120; 150x150; 200x150; 300x150; 400x150; 500x150; 600x150.

Finishes: HDG

Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- System with electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finish; resistance to corrosion
HDG coating: Class 6
- Impact resistance: 20J

- Classification according to the free base area:

Base Models	Classification
100	X
150	X
200	Y
300	Y
400	Y
500	Y
600	Y

Note: Classification X for models 200 and 300 with rung spacing 250mm. No change for the rest of the models.

INSTRUCTIONS FOR USE

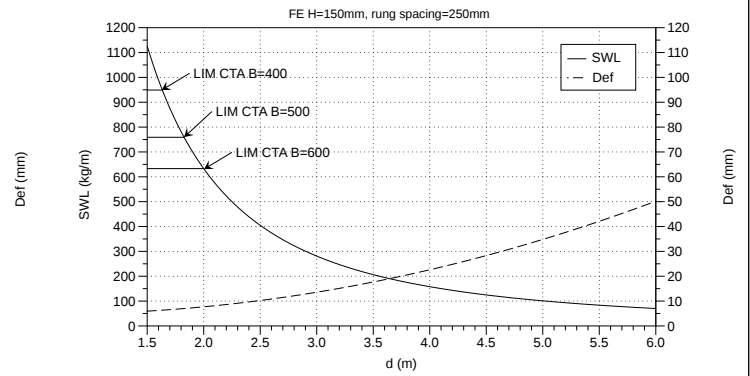
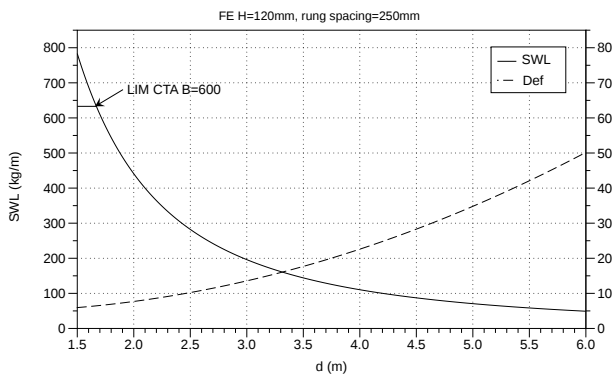
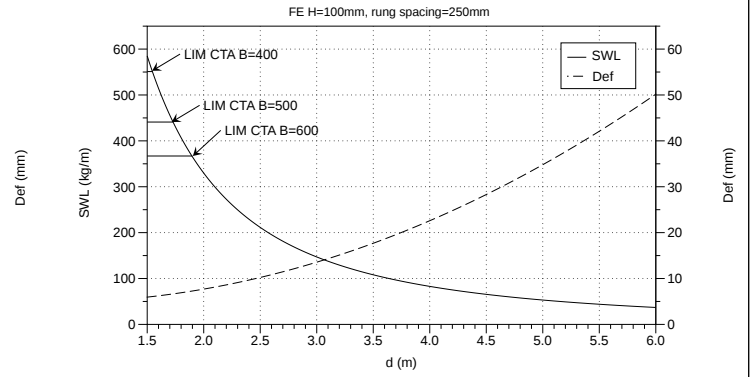
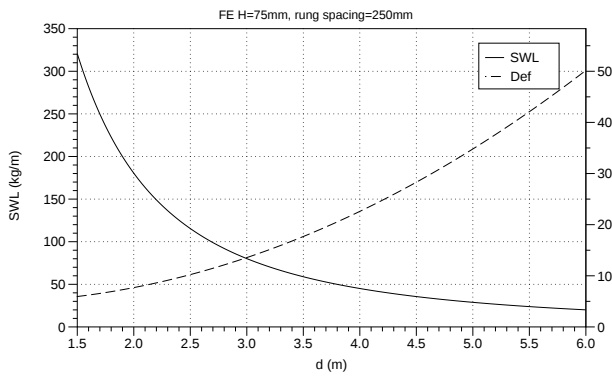
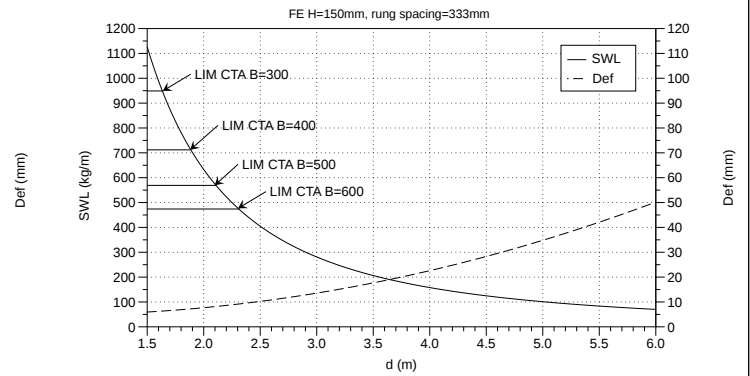
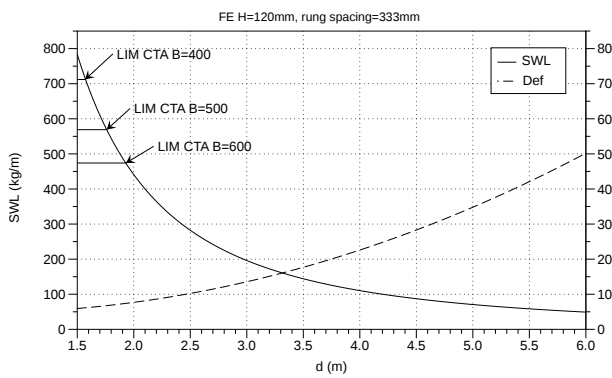
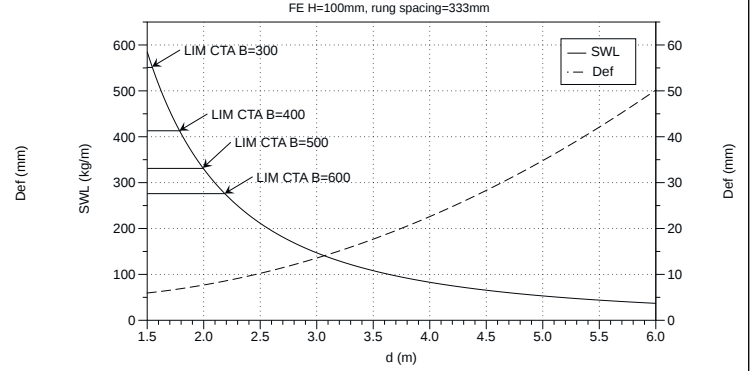
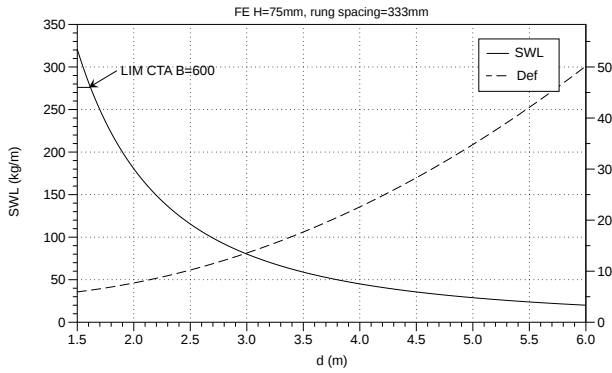
- For the set-up of the self-assembly system, four B2 bolt sets are needed (eight sets in the case of H150).
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

Accessories:

This family has large array of accessories: Cover, ERE divider, horizontal bend, vertical inside, vertical outside, T intersection, cross intersection, reduction, FE clamp, joint plate, articulated joint and angle joint.

The minimum radius for the accessories is of 330 mm.

SAVE WORKING LOAD



DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTRAV BSL

Declares that the product:

BASORTRAV BSL

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CEE (Directiva de Baja Tensión)

2006/95/CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61537

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

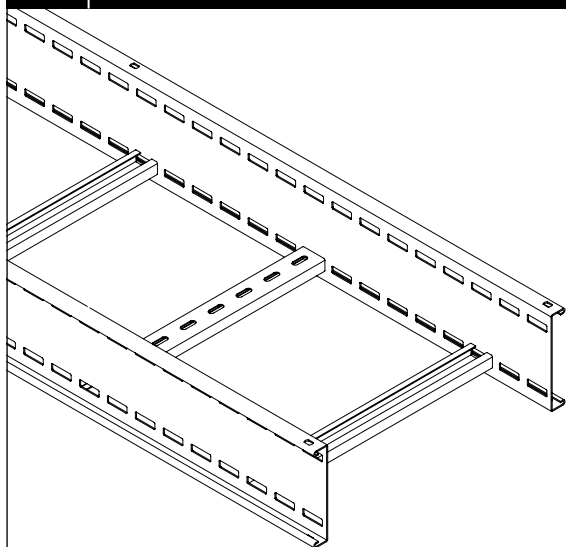
Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

BSL



Models (BxH):

300x150; 400x150; 600x150; 300x200; 400x200; 600x200.

Finishes: HDG

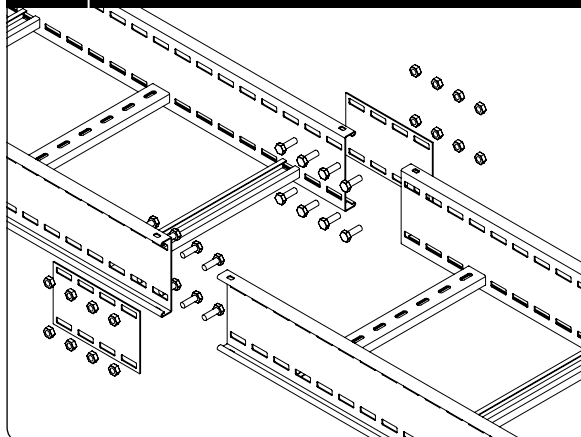
Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- System with electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion
HDG coating: Class 6
- Impact resistance: 20J

- Classification according to the free base area:

Base Models	Classification
300	Y
400	Y
600	Y

INSTRUCTIONS FOR USE



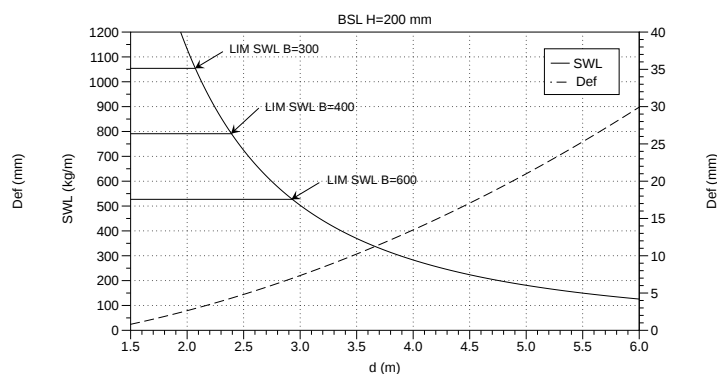
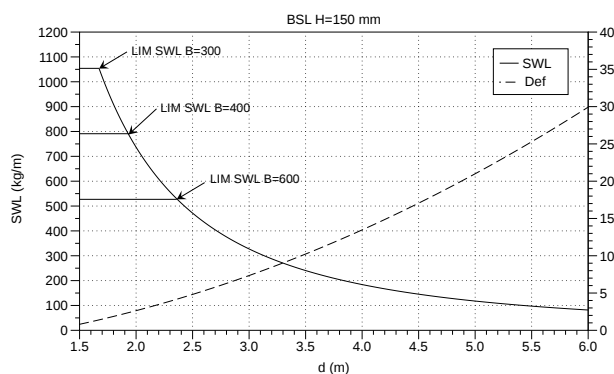
- For the assembly, two union joints with eight M10x30 DIN933 sets each are needed.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

Accessories:

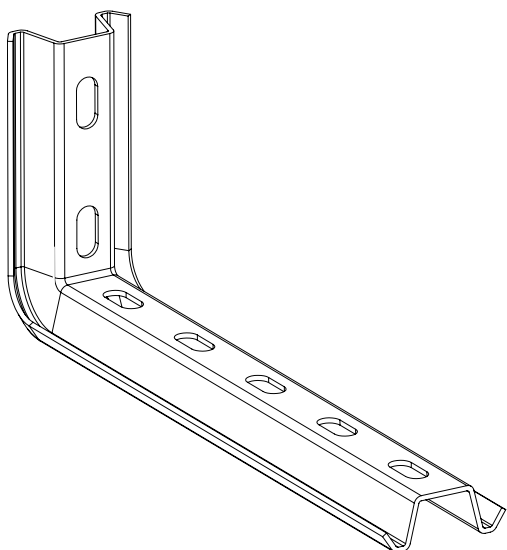
This family has large array of accessories: Horizontal bend, vertical inside, vertical outside, T intersection, cross intersection, joint plate, articulated joint, angle joint.

The minimum radius for the accessories is of 330 mm.

SAVE WORKING LOAD



SHO HORIZONTAL SUPPORT



Models (B):

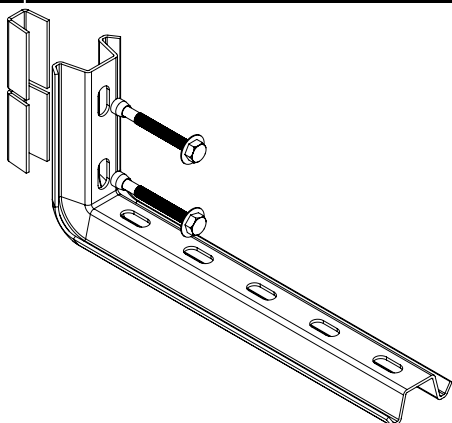
100; 150; 200; 300;400.

Finishes: GS; HDG

Characteristics:

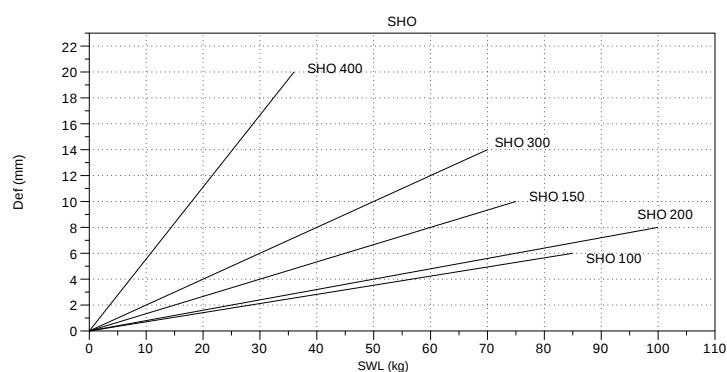
- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion
 - GS coating: Class 3
 - HDG coating: Class 6
- Impact resistance: 20J

INSTRUCTIONS FOR USE

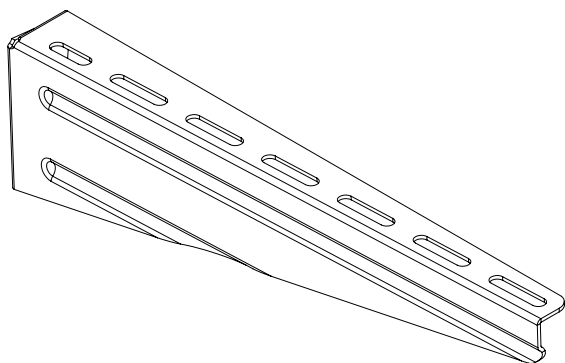


- For the assembly of the support, two anchorages are needed, and the SHO Supporting Piece is used to reinforce the fixation on the wall.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.
- They are used as horizontal supports for ERE, BF and BFR trays.

SAVE WORKING LOAD



SCR HORIZONTAL SUPPORT



Models (B):

50; 100; 150; 200; 300; 400; 500; 600; 750.

Finishes: GS; HDG

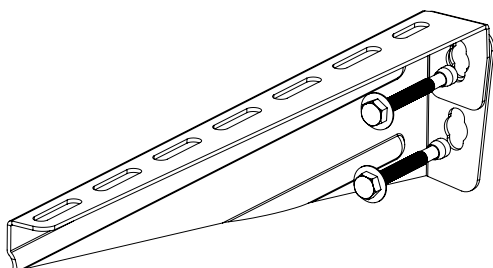
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

GS coating: Class 3

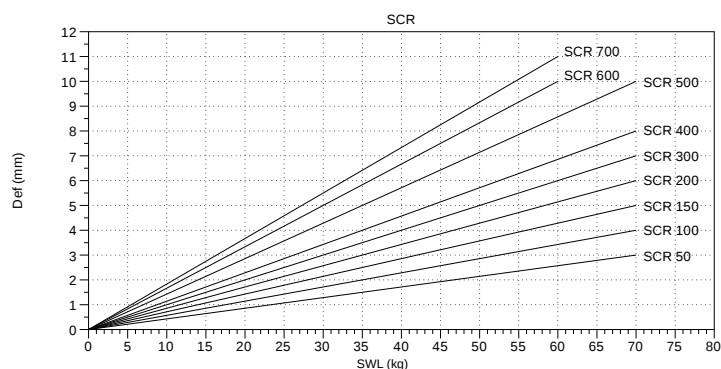
HDG coating: Class 6

INSTRUCTIONS FOR USE

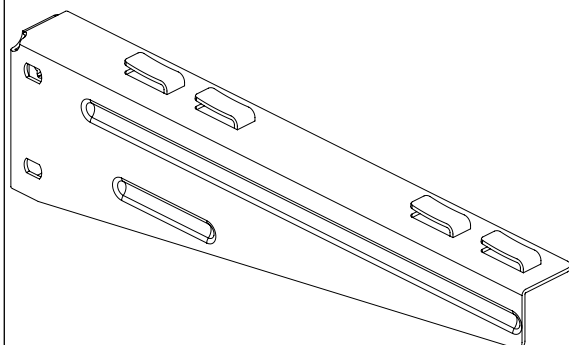


- For the assembly of the support, two wall anchorages are needed.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

SAVE WORKING LOAD



SRB HORIZONTAL SUPPORT



Models (B):

100; 150; 200; 300; 400; 500; 600.

Finishes: GS; HDG

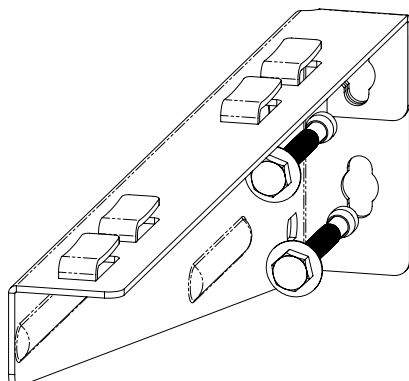
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

GS coating: Class 3

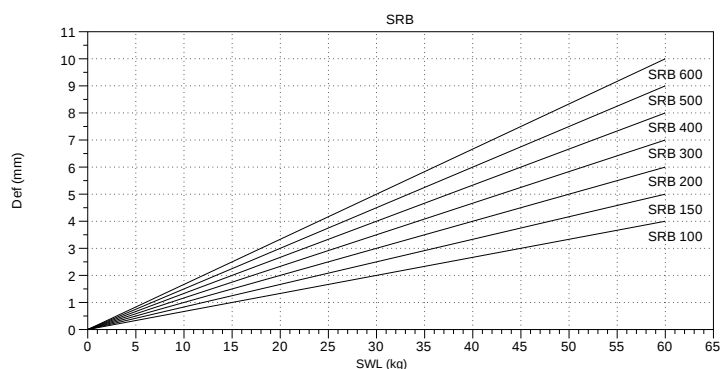
HDG coating: Class 6

INSTRUCTIONS FOR USE

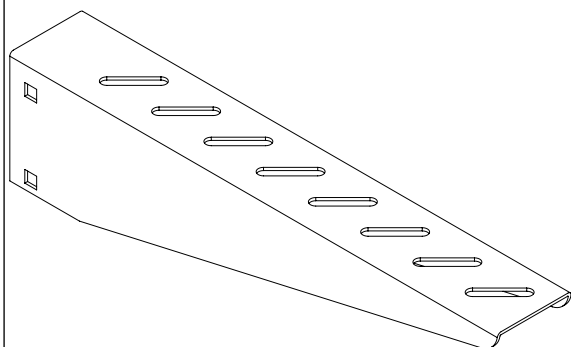


- For the assembly of the support, two wall anchorages are needed.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.
- They are used as horizontal supports for the fixation of the trays belonging to the BASORFIL family.

SAVE WORKING LOAD



SR HORIZONTAL SUPPORT



Models (B):

300; 400; 500; 600.

Finishes: GS; HDG

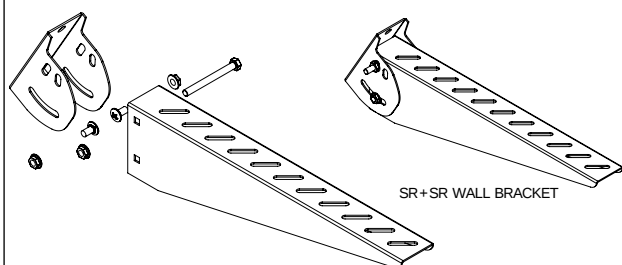
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

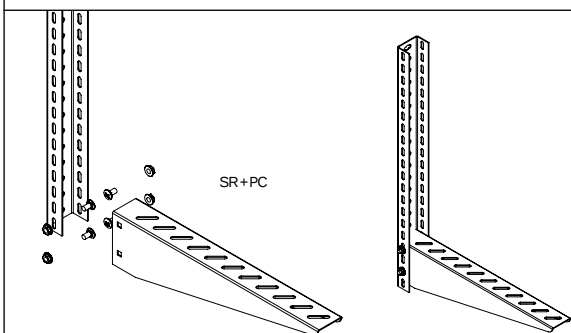
GS coating: Class 3

HDG coating: Class 6

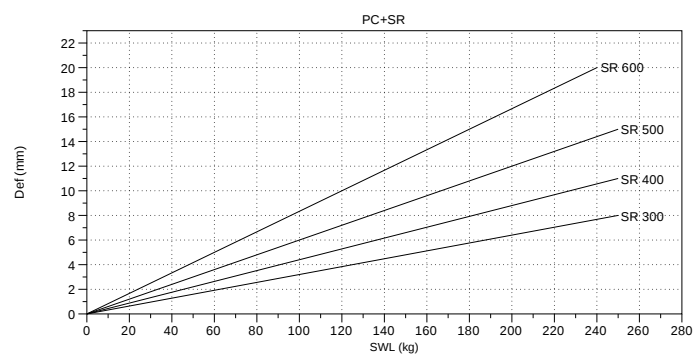
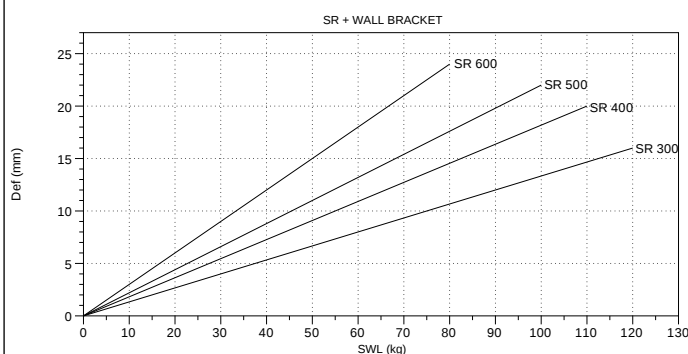
INSTRUCTIONS FOR USE



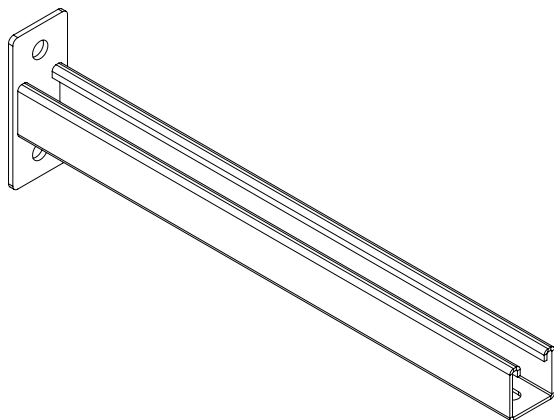
- For assemblies with an SR wall bracket, one SR pin and two B2 bolt sets are needed.
- For the assembly of the hanging profile, four B1 bolt sets are needed.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.



SAVE WORKING LOAD



SPL HORIZONTAL SUPPORT



Models (L):

150; 200; 300; 400; 500; 600.

Finishes: GS; HDG

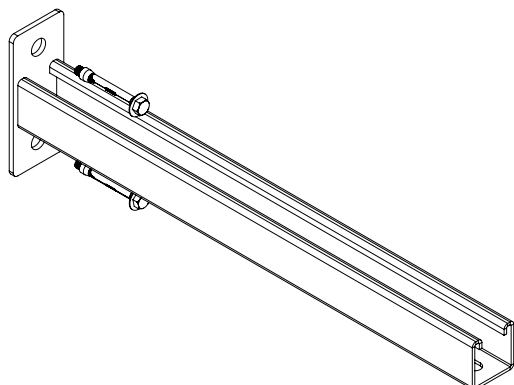
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

GS coating: Class 3

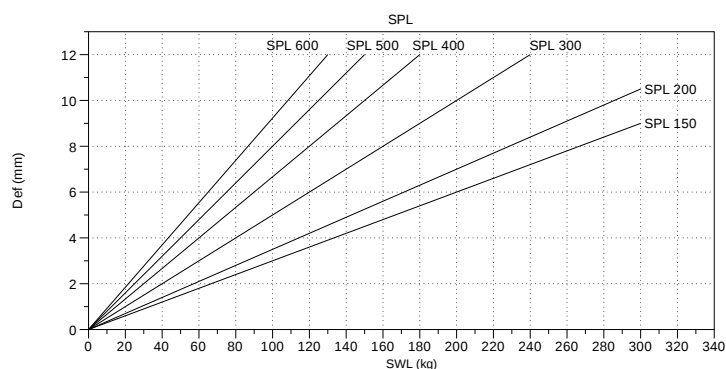
HDG coating: Class 6

INSTRUCTIONS FOR USE

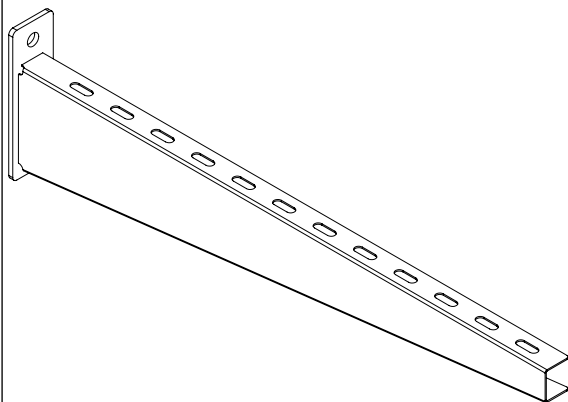


- For the assembly of the support, two wall anchorages are needed.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

SAVE WORKING LOAD



SHL HORIZONTAL SUPPORT



Models (B):

100; 150; 200; 300; 400; 500; 600.

Finishes: GS; HDG

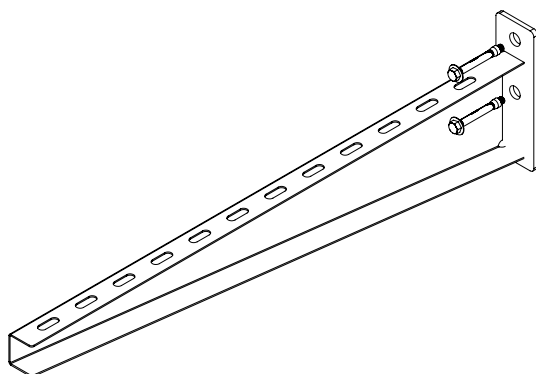
Characteristics :

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

GS coating: Class 3

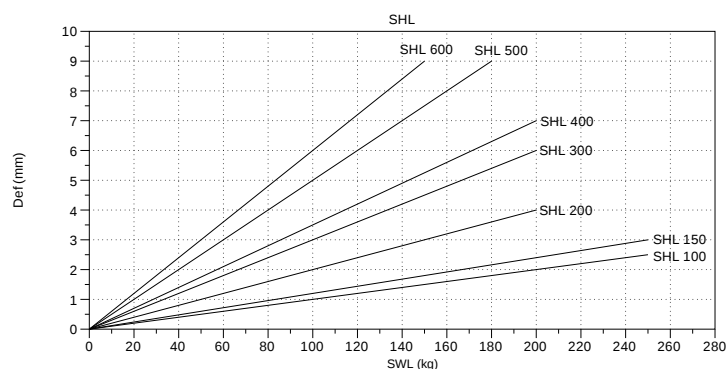
HDG coating: Class 6

INSTRUCTIONS FOR USE

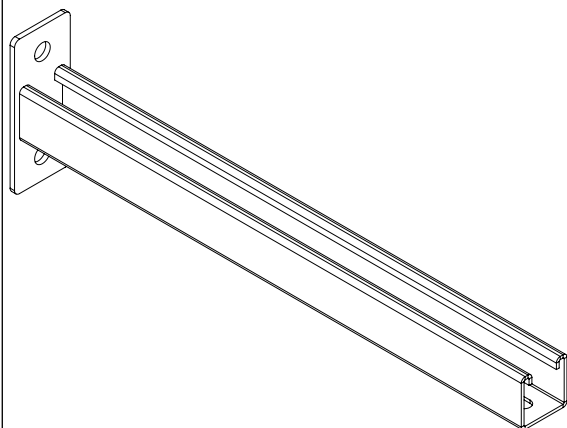


- For the assembly of the support, two wall anchorages are needed.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

SAVE WORKING LOAD



SP HORIZONTAL SUPPORT



Models (B):

150; 200; 300; 400; 500; 600.

Finishes: GS; HDG

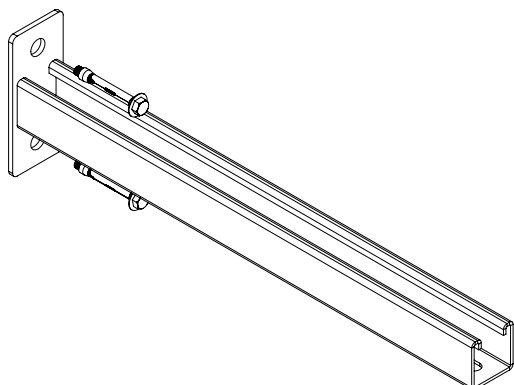
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

GS coating: Class 3

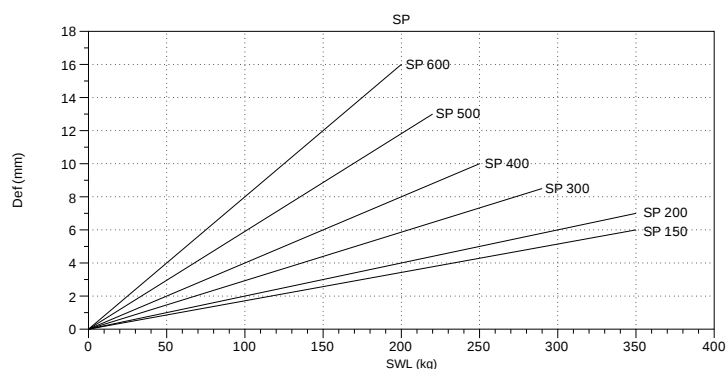
HDG coating: Class 6

INSTRUCTIONS FOR USE

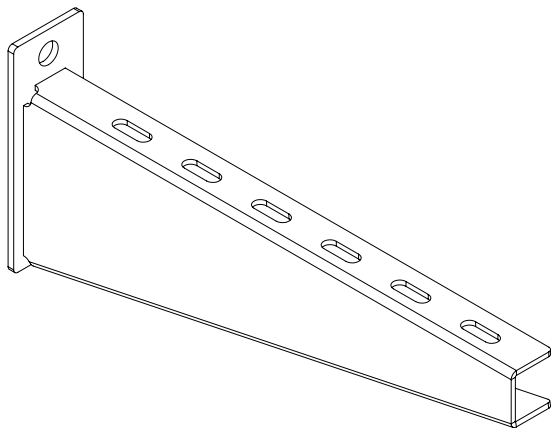


- For the assembly of the support, two wall anchorages are needed.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.
- The trays can be fixed to the open side using a spring nut or to the perforated side with the use of bolts.

SAVE WORKING LOAD



SHR HORIZONTAL SUPPORT

**Models (B):**

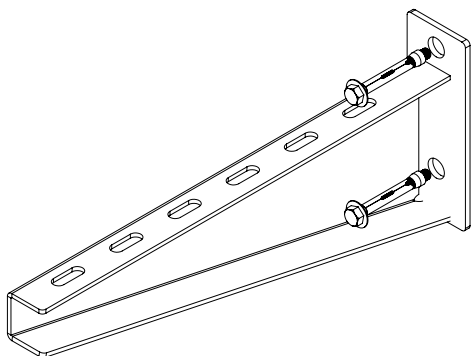
300; 400; 500; 600; 700; 800.

Acabado: HDG**Characteristics:**

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

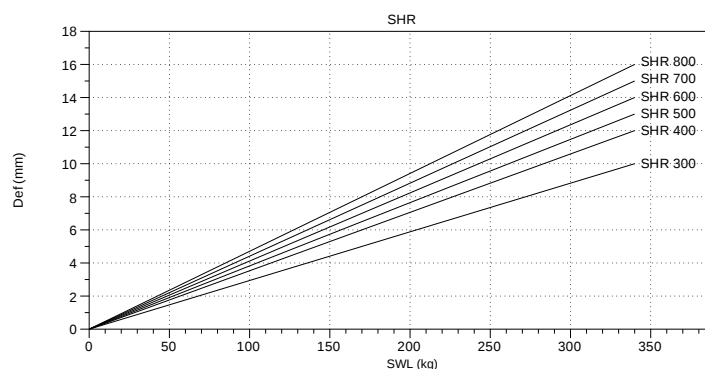
HDG coating: Class 6

INSTRUCTIONS FOR USE

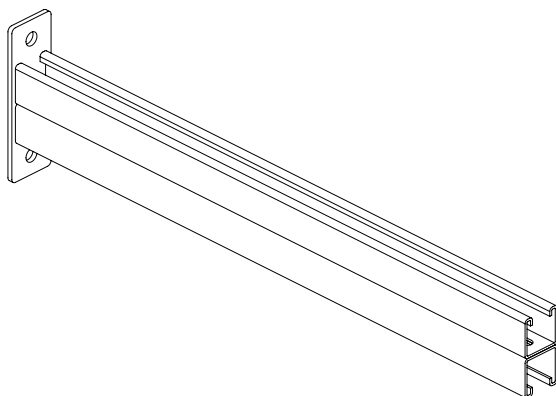


- For the assembly of the support, two wall anchorages are needed.
- The tray installation for an electrical system should NOT run under other types of canalizations such as water, vapour or gas canalizations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

SAVE WORKING LOAD



SPD HORIZONTAL SUPPORT



Models (B):

500; 600; 700; 800; 1000.

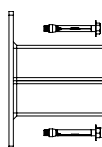
Acabado: HDG

Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

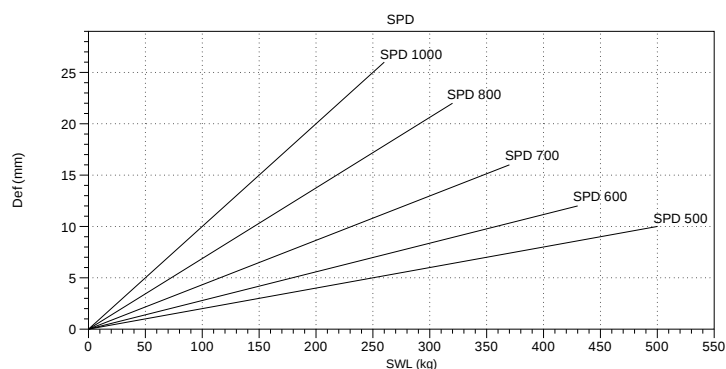
HDG coating: Class 6

INSTRUCTIONS FOR USE

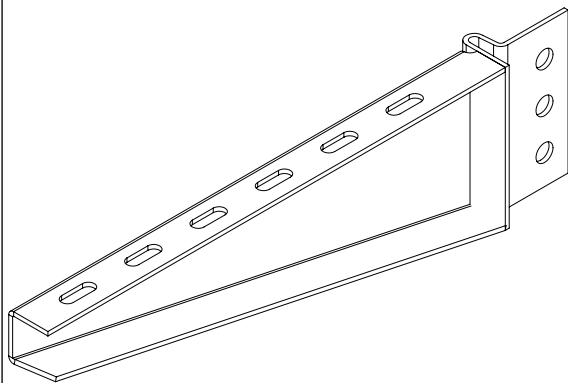


- For the assembly of the support, two wall anchorages are needed.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.
- The trays are fixed with spring nuts.

SAVE WORKING LOAD



SHV HORIZONTAL SUPPORT

**Models (B):**

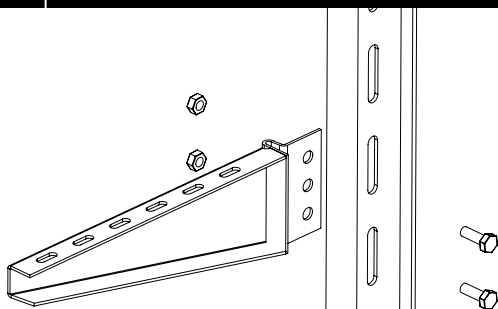
200; 300; 400; 500; 600; 700; 800.

Acabado: HDG**Characteristics:**

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

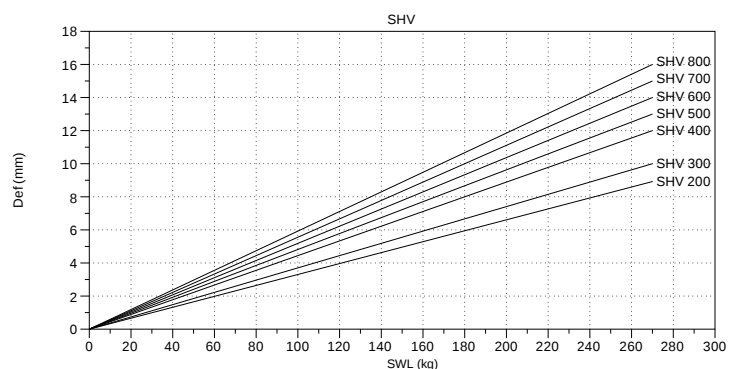
HDG coating: Class 6

INSTRUCTIONS FOR USE

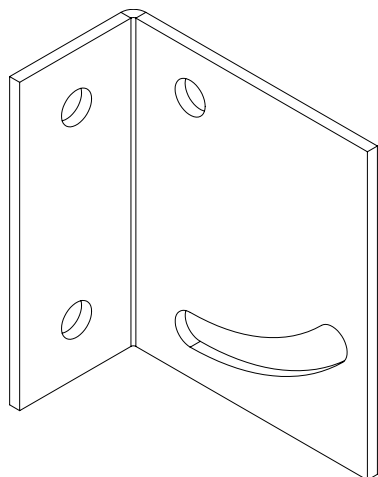


- For mounting the support on to the IPN80 profile, two M10x30 sets are needed.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

SAVE WORKING LOAD



SIMPLE HEAD BRACKET



Finishes: GS; HDG

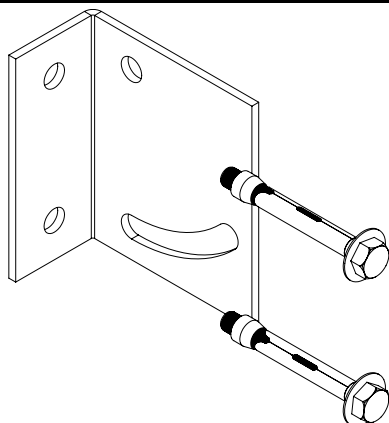
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

GS coating: Class 3

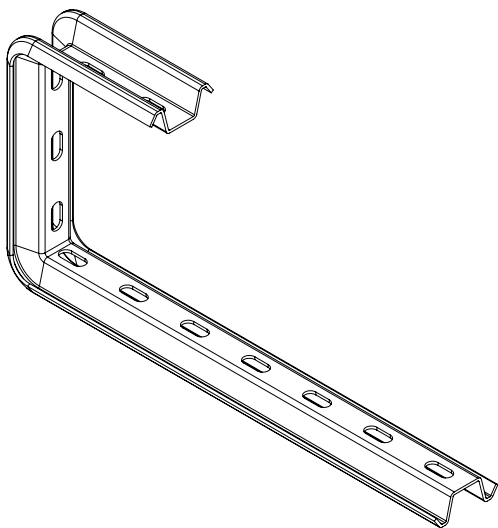
HDG coating: Class 6

INSTRUCTIONS FOR USE



- For the assembly of the support, two wall anchorages are needed.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.
- Used with SRB and SCR on 500, 600 and 700 models.

SHOT CEILING SUPPORT



Models (B):

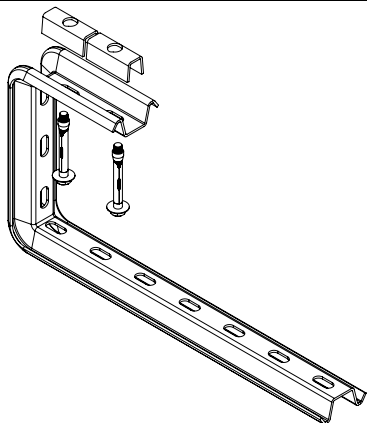
100; 150; 200; 300

Finishes: GS; HDG

Characteristics:

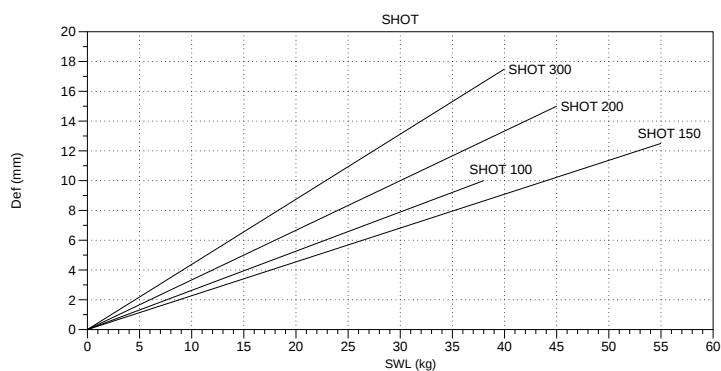
- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- With a metallic finishes; resistance to corrosion
 - GS coating: Class 3
 - HDG coating: Class 6
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

INSTRUCTIONS FOR USE

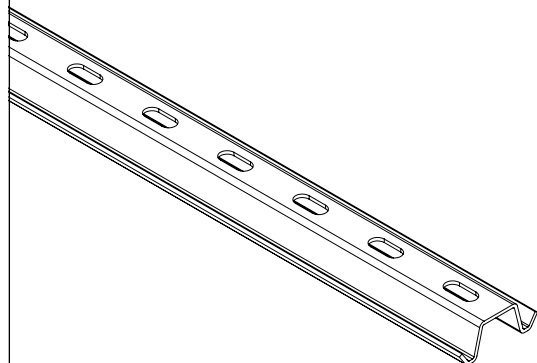


- For mounting the support on to the ceiling, two anchorages are needed. For an optimal fixation, use one SHO supporting piece per anchorage.
- This support had been designed so that one sole component allows the assembly of the tray or closed cable tray on to the ceiling.
- The SHOT support has been designed to have the minimum free height which allows for the installation of the cables.

SAVE WORKING LOAD



SVO CEILING SUPPORT



Models (B):

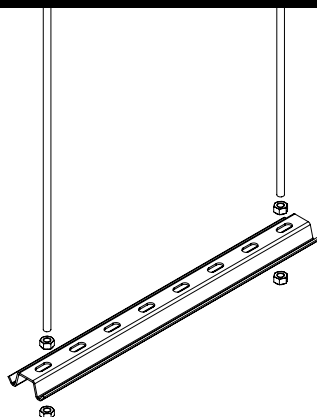
150; 200; 250; 300; 350; 400; 500; 600.

Finishes: GS; HDG

Characteristics:

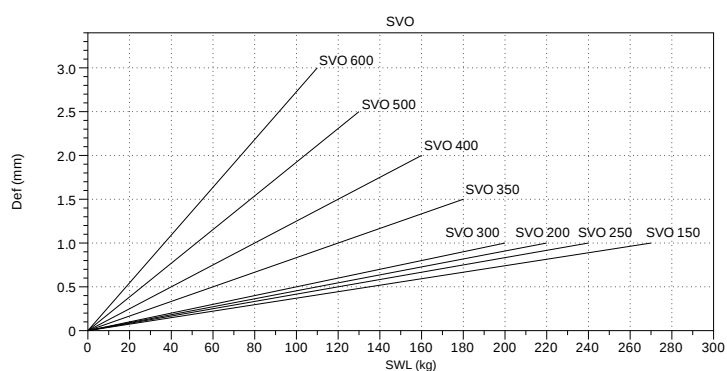
- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- With a metallic finishes; resistance to corrosion
 - GS coating: Class 3
 - HDG coating: Class 6
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

INSTRUCTIONS FOR USE

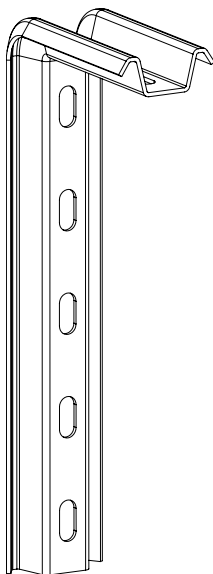


- For mounting the support on to the ceiling, two M8 THREADED RODS and four nuts are needed.
- The SVO support allows the alteration of the free height depending on the needs, by way of altering the length of the threaded rod.

SAVE WORKING LOAD



SHO 400 CEILING SUPPORT

**Models (L):**

400.

Finishes: GS; HDG**Characteristics:**

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

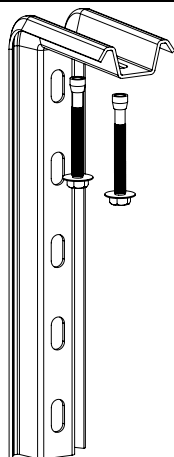
GS coating: Class 3

HDG coating: Class 6

Related products:

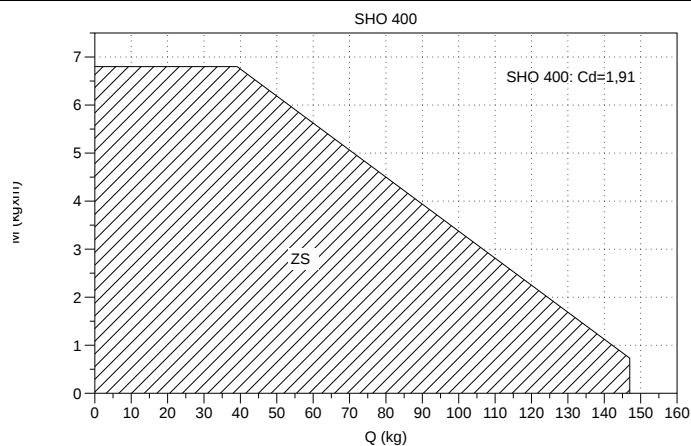
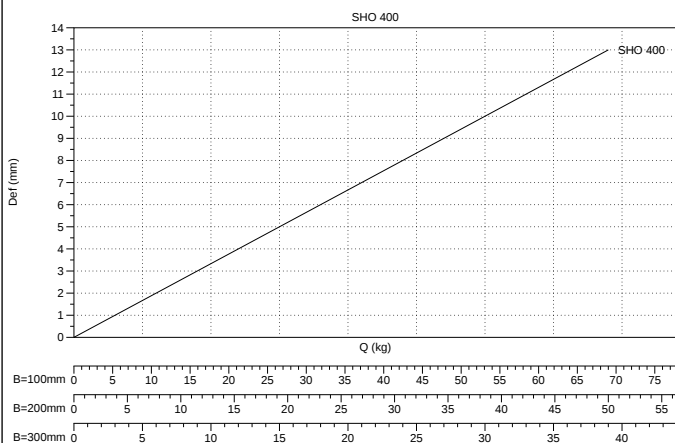
- SHO

INSTRUCTIONS FOR USE



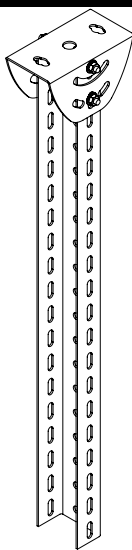
- For mounting the support on to the ceiling, two anchorages are needed. For an optimal fixation, use one SHO supporting piece per anchorage.
- It allows the fixation of an additional horizontal SHO with two B2 sets.

SAVE WORKING LOAD



In order to determine the suitability of the SHO 400 support, observe the relationship between the bending moment and the traction load which has the most unfavourable effect on the support and check whether it is working within the limits of the safety area. To obtain the pendant's deflection, multiply the bending moment (M) by the corresponding support's distortion coefficient (Cd). $f=M \cdot Cd$

PC+HEAD BRACKET CEILING SUPPORT



Models (L):

3000

Finishes: GS ; HDG ; I304.

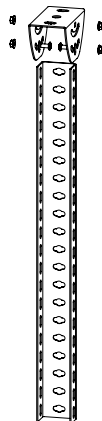
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- With a metallic finishes; resistance to corrosion
 - GS coating: Class 3
 - HDG coating: Class 6
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

Related products:

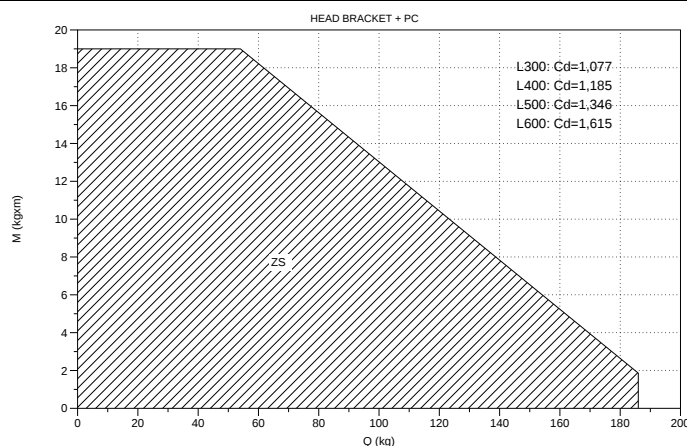
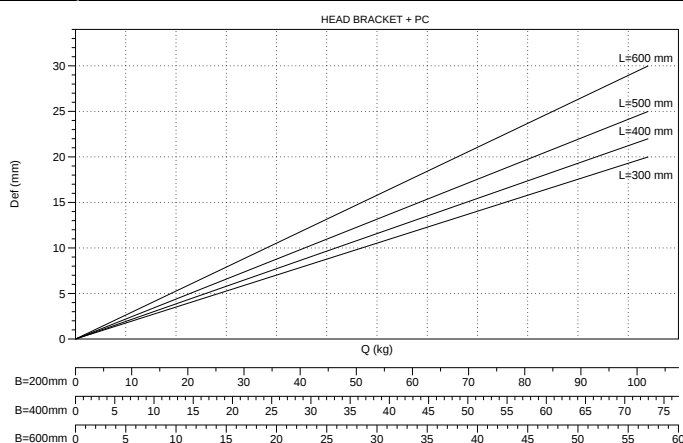
- On the profile's open area: SR.
- On the profile's lateral area: SRB; SCR.

INSTRUCTIONS FOR USE



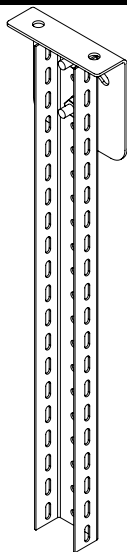
- For mounting on to the ceiling, two anchorages are needed.
- The hanging profile can be assembled either with SCD or with SRB, by way of using two B1 sets on the lateral area or two B2 sets on the central area.
- In order to be able to work on the profile's open axis, we shall have to use SR supports with four B1 bolt sets.

SAVE WORKING LOAD



In order to determine the suitability of the PC+HEAD BRACKET support, observe the relationship between the bending moment and the traction load which has the most unfavourable effect on the support and check whether it is working within the limits of the safety area. To obtain the pendant's deflection, multiply the bending moment (M) by the corresponding support's distortion coefficient (Cd). $f=M \cdot Cd$

PC+SIMPLE HEAD BRACKET CEILING SUPPORT



Models (L):

3000

Finishes: GS ; HDG

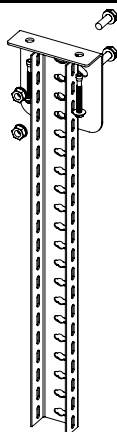
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity
- Electrically conductive component
- With a metallic finishes; resistance to corrosion
- GS coating: Class 3
- HDG coating: Class 6
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

Related products:

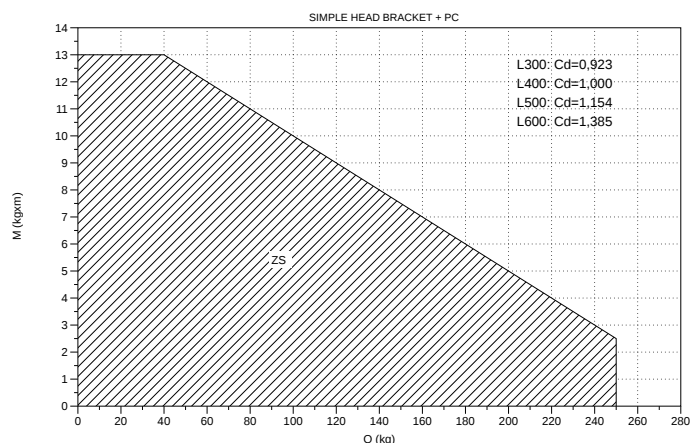
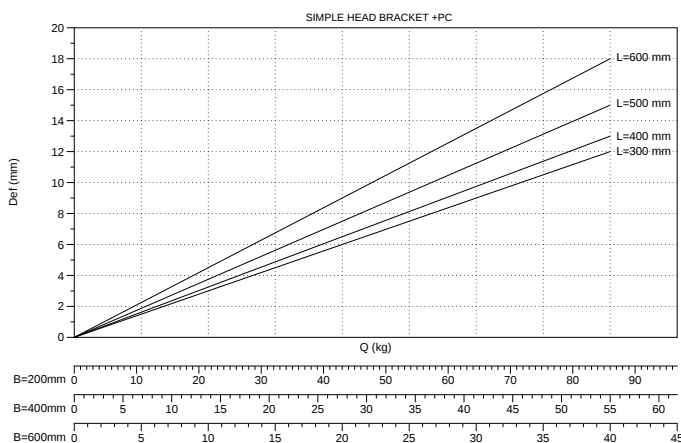
- SRB; SCR.

INSTRUCTIONS FOR USE



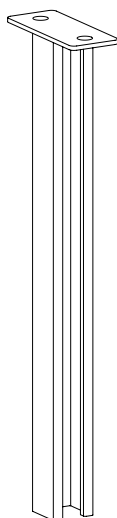
- For mounting on to the ceiling, two anchorages are needed.
- The simple head bracket can be fixed onto the profile using two M10x30 sets.
- SCD or SRB supports can be fixed onto the profile's side by way of using two B1 sets.
- Supports can only be assembled on the profile's side.

SAVE WORKING LOAD



In order to determine the suitability of the PC+SIDE HEAD BRACKET support, observe the relationship between the bending moment and the traction load which has the most unfavourable effect on the support and check whether it is working within the limits of the safety area. To obtain the pendant's deflection, multiply the bending moment (M) by the corresponding support's distortion coefficient (Cd). $f=M \cdot Cd$

SPL CEILING SUPPORT



Models (L):

300; 400; 500; 600; 700; 800

Finishes: Cincado; HDG

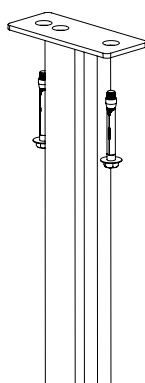
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity
- Electrically conductive component
- With a metallic finishes; resistance to corrosion
 - Galvanised coating: Class 2
 - HDG coating: Class 6
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

Related products:

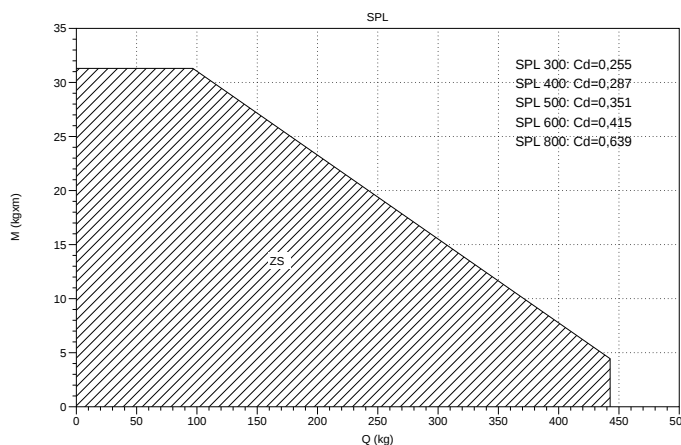
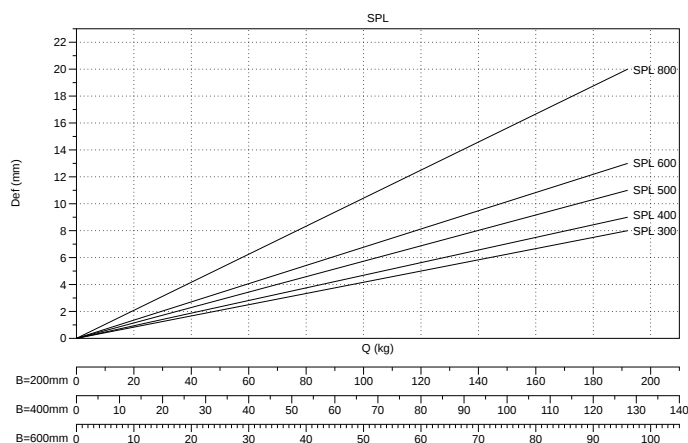
- On the profile's open area: SRB; SCR; SPL; SHL; SP.
- On the perforated area: SRB; SCR; SHL.

INSTRUCTIONS FOR USE



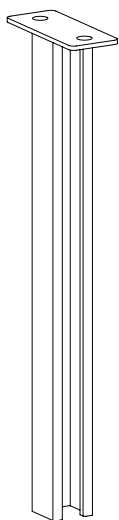
- For mounting on to the ceiling, two anchorages are needed.
- The SPL support only allows assembly on an axis.
- To fix the horizontal support onto the perforated side, two M10 bolt sets are needed.
- To assemble the horizontal support onto the profile's open area, complementary pieces are needed (two nut with spring sets)
- On the profile's open area, the support allows the alteration of the horizontal support's height, independently of the distance between holes.

SAVE WORKING LOAD

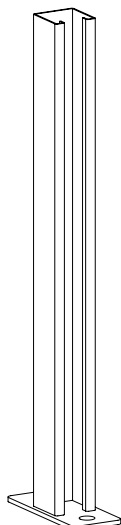


In order to determine the suitability of the SPL support, observe the relationship between the bending moment and the traction load which has the most unfavourable effect on the support and check whether it is working within the limits of the safety area. To obtain the pendant's deflection, multiply the bending moment (M) by the corresponding support's distortion coefficient (Cd). $f=M \cdot Cd$

SP CEILING SUPPORT / FLOOR



SP CEILING



SP FLOOR

Models (L):

300; 400; 500; 600; 800

Finishes: Cincado; HDG

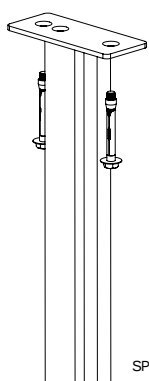
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity
- Electrically conductive component
- With a metallic finishes; resistance to corrosion
Galvanised coating: Class 2
HDG coating: Class 6
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

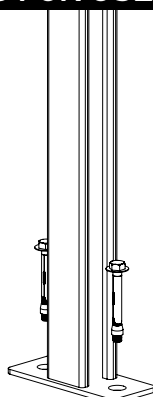
Related products:

- On the profile's open area: SRB; SCR; SPL; SHL; SP.
- On the perforated area: SRB; SCR; SHL.

INSTRUCTIONS FOR USE



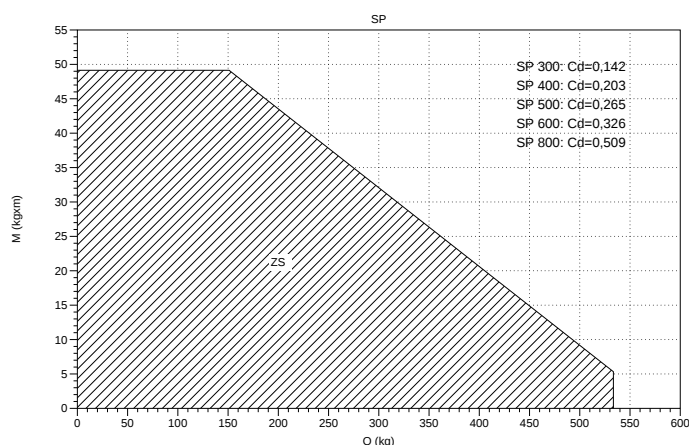
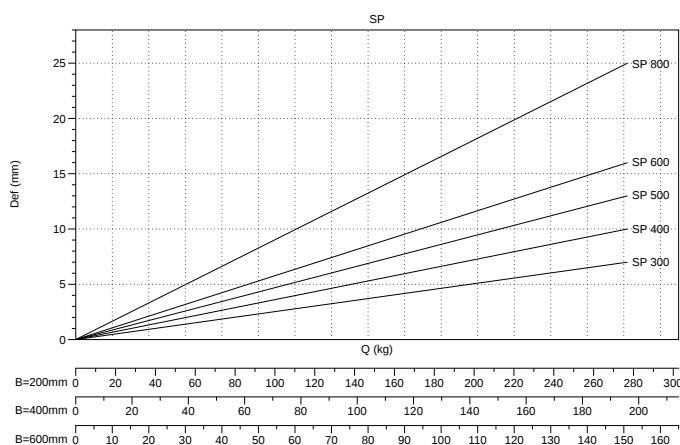
SP CEILING



SP FLOOR

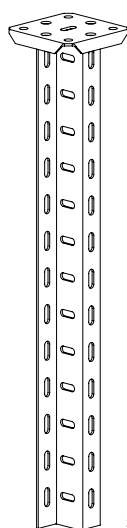
- For mounting the support, two anchorages are needed.
- The SPL support only allows assembly on an axis.
- To fix the horizontal support onto the perforated side, two M10 bolt sets are needed.
- To assemble the horizontal support onto the profile's open area, complementary pieces are needed (two nut with spring sets)
- On the profile's open area, the support allows the alteration of the horizontal support's height, independently of the distance between holes.

SAVE WORKING LOAD

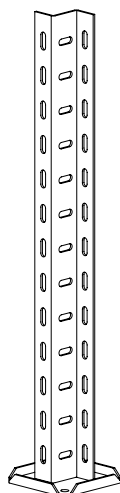


In order to determine the suitability of the SP support, observe the relationship between the bending moment and the traction load which has the most unfavourable effect on the support and check whether it is working within the limits of the safety area. To obtain the pendant's deflection, multiply the bending moment (M) by the corresponding support's distortion coefficient (Cd). $f=M \cdot Cd$

SZ CEILING SUPPORT / FLOOR



SZ CEILING



SZ FLOOR

Models (L):

300; 400; 500; 600

Finishes: Cincado; HDG

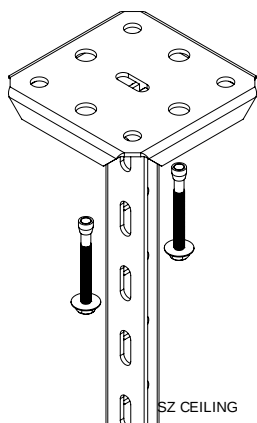
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- With a metallic finishes; resistance to corrosion
 - Galvanised coating: Class 2
 - HDG coating: Class 6
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

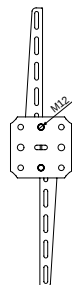
Related products:

- SRB, SCR, SPL, SHL

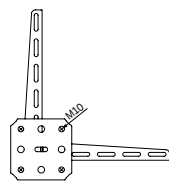
INSTRUCTIONS FOR USE



SZ CEILING



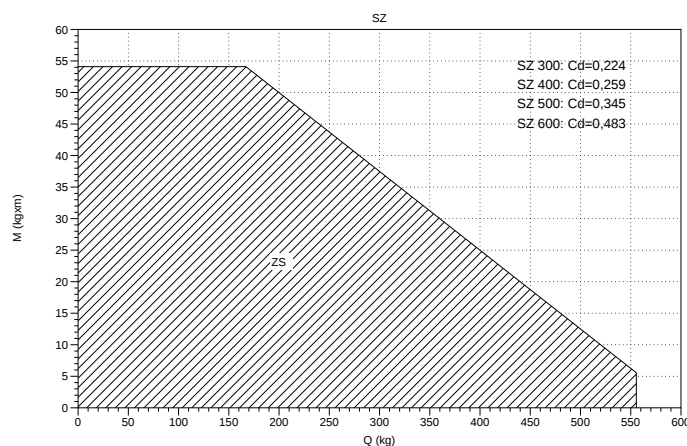
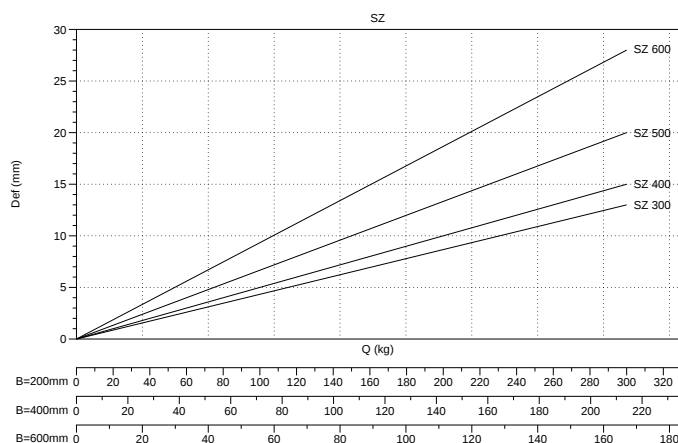
SZ+SHR 1 AXIS



SZ+SHR 2 AXES

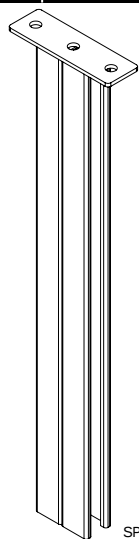
- No complementary pieces are needed for mounting the horizontal supports.
- The SZ support allows the mounting of horizontal supports on the profile's two work axes.
- When the profile works only on one axis, two M12 anchorages shall be used and when the two work axes are required, then four M10 anchorages shall be necessary.

SAVE WORKING LOAD

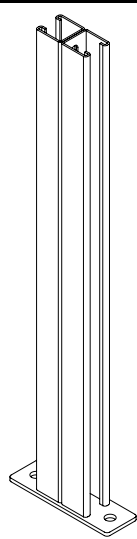


In order to determine the suitability of the SZ support, observe the relationship between the bending moment and the traction load which has the most unfavourable effect on the support and check whether it is working within the limits of the safety area. To obtain the pendant's deflection, multiply the bending moment (M) by the corresponding support's distortion coefficient (Cd). $f=M \cdot Cd$

SPD CEILING SUPPORT / FLOOR



SPD CEILING



SPD FLOOR

Models (L):

500;600;700;800;1000

Finishes: HDG

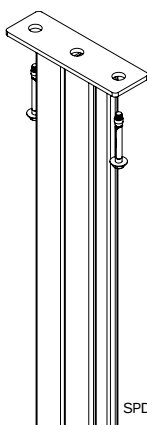
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- With a metallic finishes; resistance to corrosion
HDG coating: Class 6
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

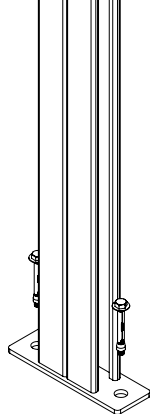
Related products:

- On the profile's open area: SRB, SCR, SPL, SHL, SP, SPD, SHR

INSTRUCTIONS FOR USE



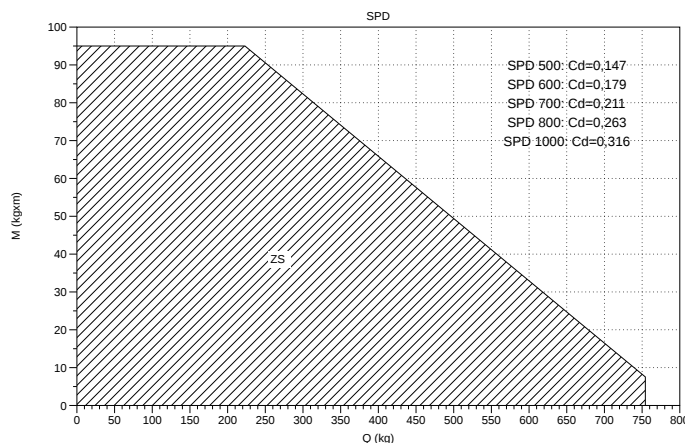
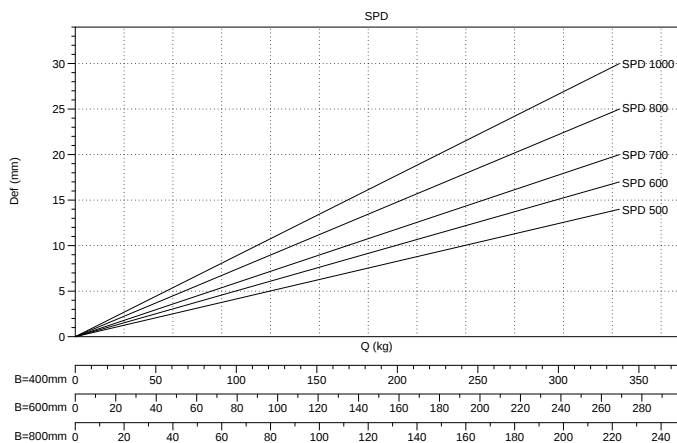
SPD CEILING



SPD FLOOR

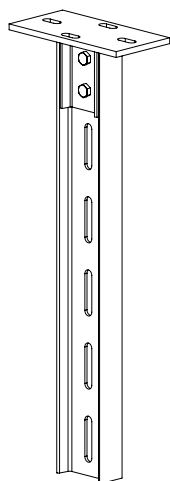
- The SPD support only allows assembly on one axis.
- To assemble the horizontal support, complementary pieces are needed (nut with spring sets).
- The profile's open area allows the alteration of the horizontal support's height.

SAVE WORKING LOAD

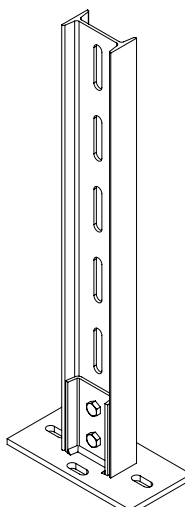


In order to determine the suitability of the SPD support, observe the relationship between the bending moment and the traction load which has the most unfavourable effect on the support and check whether it is working within the limits of the safety area. To obtain the pendant's deflection, multiply the bending moment (M) by the corresponding support's distortion coefficient (Cd). $f=M \cdot Cd$

HEAD SUPPORT + IPN80 CEILING SUPPORT / FLOOR



IPN80 CEILING



IPN80 FLOOR

Models (L):

600;1000;1300;1500;2000;3000

Finishes: HDG

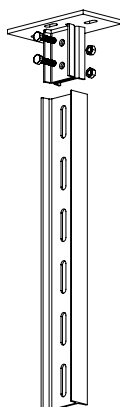
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- With a metallic finishes; resistance to corrosion
HDG coating: Class 6
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

Related products:

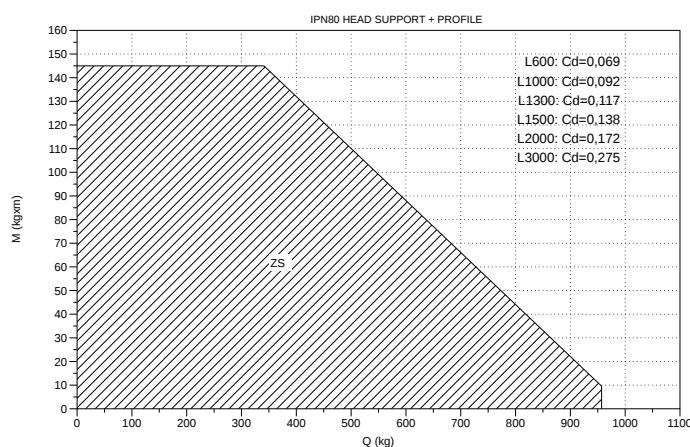
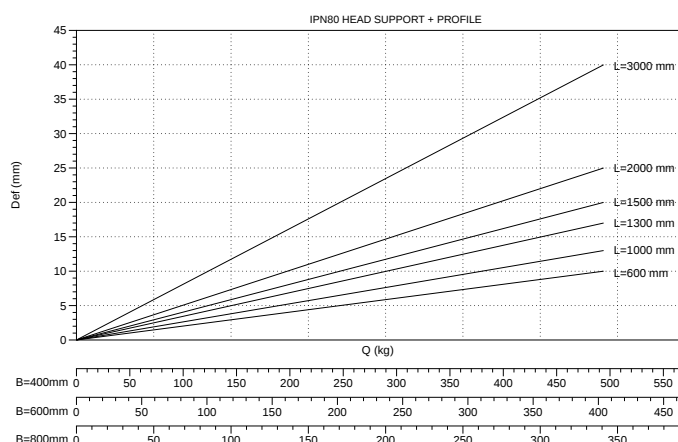
- SHV

INSTRUCTIONS FOR USE



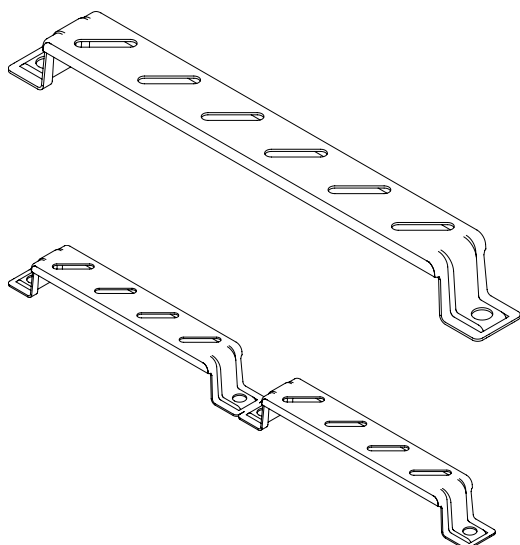
- The head support is mounted on the wall / ceiling / floor using two M12 anchorages.
- The IPN80 profile only allows assembly on one axis.
- The IPN80 profile allows us to mount the support onto the floor, ceiling and wall or in combined situations.
- The head support can be joined to the profile with two M10x30 sets.

SAVE WORKING LOAD



In order to determine the suitability of the IPN80 profile together with the IPN80 head support, observe the relationship between the bending moment and the traction load which has the most unfavourable effect on the support and check whether it is working within the limits of the safety area. To obtain the pendant's deflection, multiply the bending moment (M) by the corresponding support's distortion coefficient (Cd). $f=M \cdot Cd$

SV

**Models (B):**

100; 150; 200; 300; 400; 500; 600.

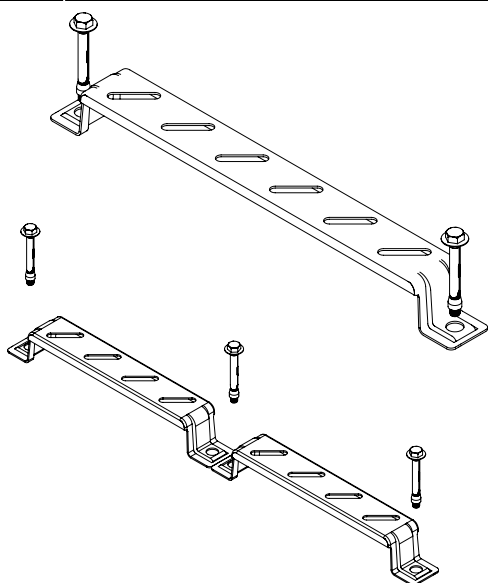
Finishes: GS; HDG**Characteristics:**

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- With a metallic finishes; resistance to corrosion

GS coating: Class 3

HDG coating: Class 6

INSTRUCTIONS FOR USE



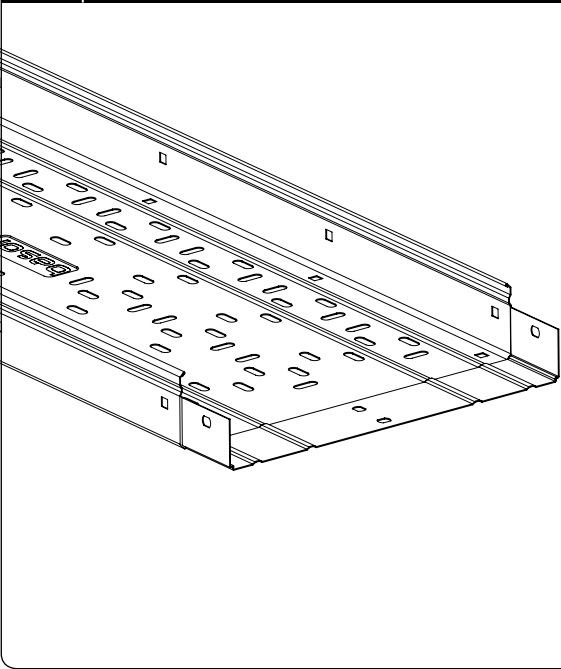
- For mounting the support, two floor anchorages are needed, and three in the case of doubles (models 400, 500 and 600)
- The trays are fixed onto the support using B1 sets.

SAVE WORKING LOAD

B	SWL (kg)
100	120
150	120
200	110
300	90
400	220
500	150
600	180



ERE I304



Models (BxH):

100x60;150x60;200x60;300x60.

Finishes: I304

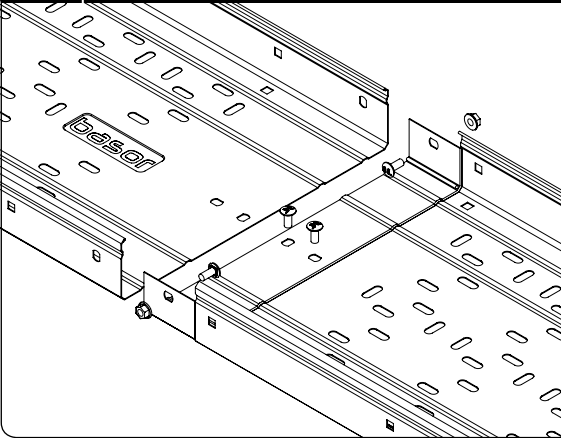
Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- With electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- Resistance to corrosion: Class 9A
- Impact resistance: 20J

- Classification according to the free base area:
Non-perforated tray: A
Perforated tray:

Base Models	Classification
100	C
150	B
200	C
300	C

INSTRUCTIONS FOR USE

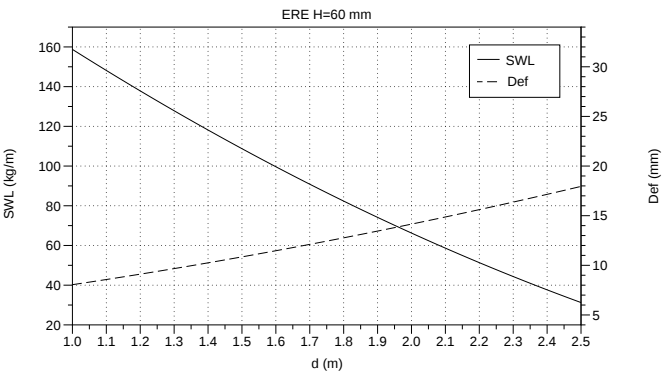


- For the set-up of the self-assembly system, four B1 I304 sets are needed.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

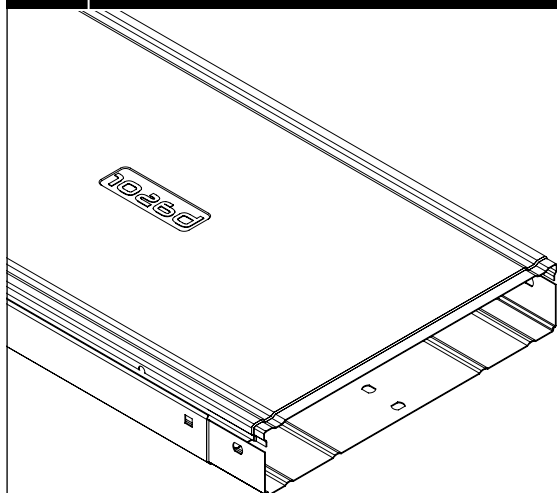
Accessories:

This family has large array of accessories: Cover, divider, horizontal bend, vertical inside, vertical outside, joint plate.

SAVE WORKING LOAD



ERE I304+COVER

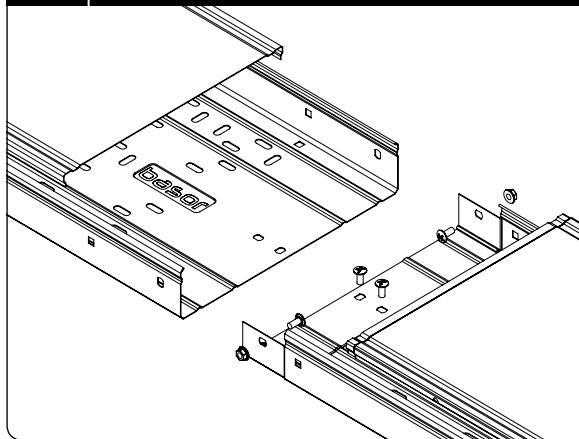
**Models (BxH):**

100x60; 150x60; 200x60; 300x60.

Finishes: I304**Characteristics of the trunking:**

- Metallic system
- Impact resistance: 20J
- Minimum storage temperature of -45 °C
- Minimum installation temperature of -25 °C
- Maximum temperature of 120 °C
- Non-flame propagating component
- System with electrical continuity characteristic
- Without electrical insulation characteristic
- Level of protection:
 - Non-perforated ERE + ERE cover: IP44
 - Perforated ERE + ERE cover: IP23
- With high protection outside and inside against corrosive substances
- With access cover which can be opened without the need of tools
- Possibility of additional internal protective partition.

INSTRUCTIONS FOR USE



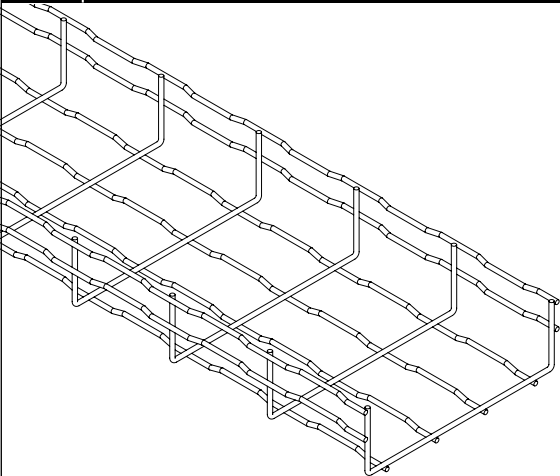
- For the set-up of the self-assembly system, four B1 I304 bolts are needed.
- The cover can be fixed by applying pressure.
- The tray installation for an electrical system should NOT run under other types of canalizations such as water, vapour or gas canalizations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

Accessories:

This family has large array of accessories: Divider, horizontal bend, vertical inside, vertical outside, joint plate.



BFR I304



Models (BxH):

100x35; 150x35; 200x35; 300x35; 60x65; 100x65; 150x65; 200x65; 300x65; 400x65; 500x65; 600x65; 200x105; 300x105; 400x105; 500x105; 600x105.

Finishes: I304

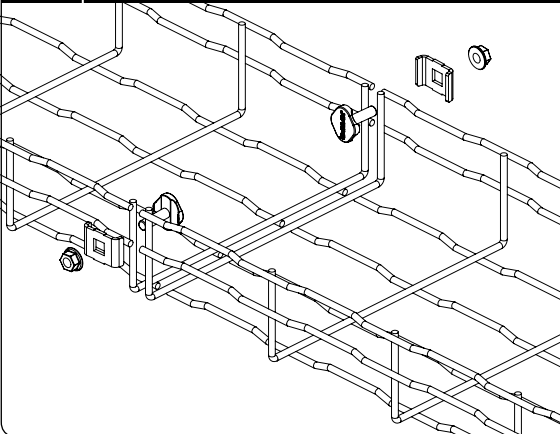
Characteristics of the cable tray:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- Resistance to corrosion: Class 9A

- Classification according to the free base area:

Base Models	Classification
60	Z
100	Y
150	Y
200	Y
300	Y
400	Y
500	Y
600	Y

INSTRUCTIONS FOR USE

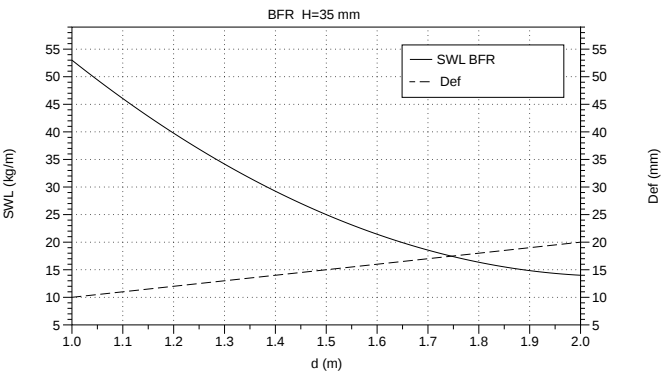
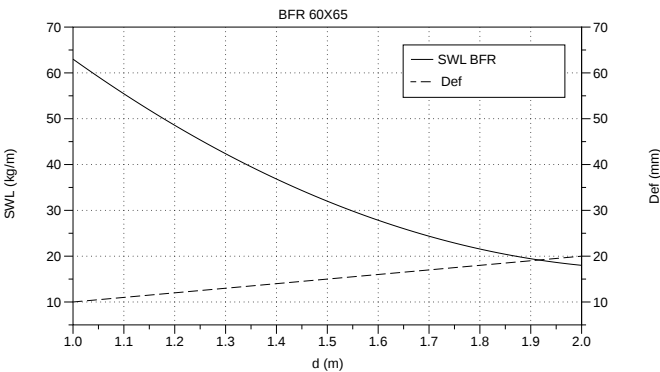


- In order to join the trays, ensemble bolts BF I304 are placed on the wings.
- From width 300 onwards, a fixation element is added and placed on the centre of the base.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

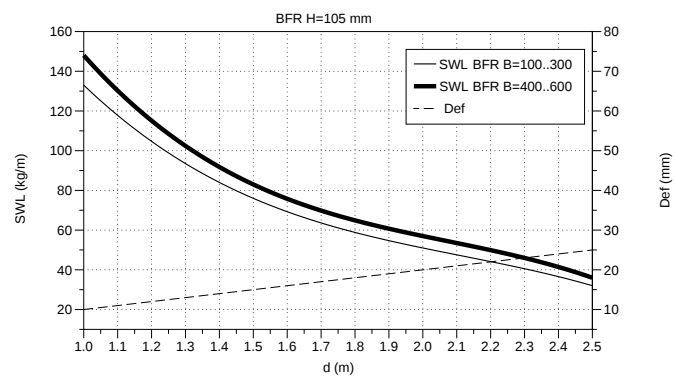
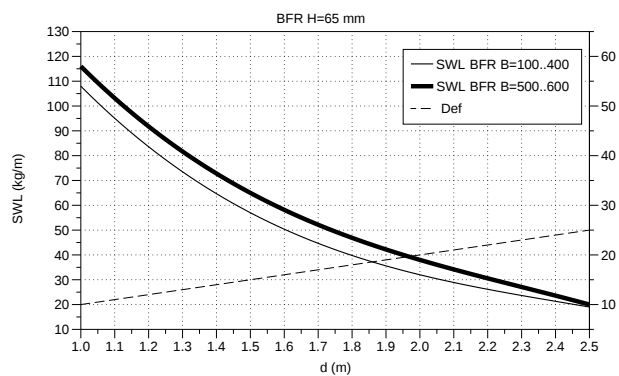
Accessories:

This family has the following accessories: Cover, divider.
Union elements: set bolt-staple, lateral joint, set bolt BF-nut and multi-union joint. Fixation elements: SSC, double SL, simple SL, universal support box, mini universal support box.

SAVE WORKING LOAD



SAVE WORKING LOAD



SCR I304

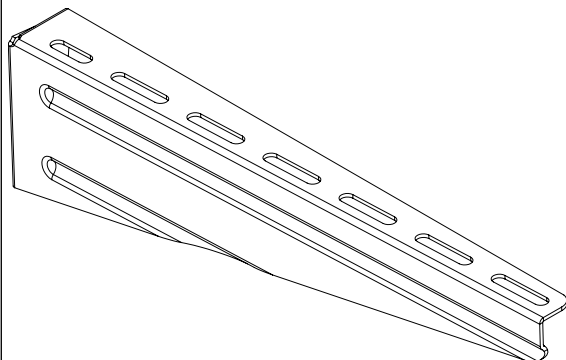
Models (B):

50; 100; 150; 200; 300; 400; 500; 600; 750.

Finishes: I304

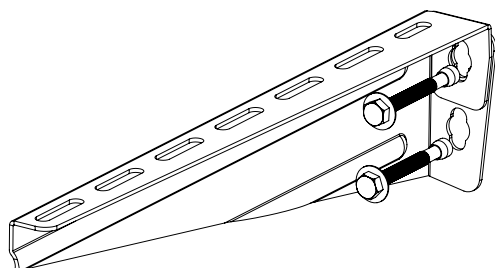
Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive system
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- Resistance to corrosion: Class 9A

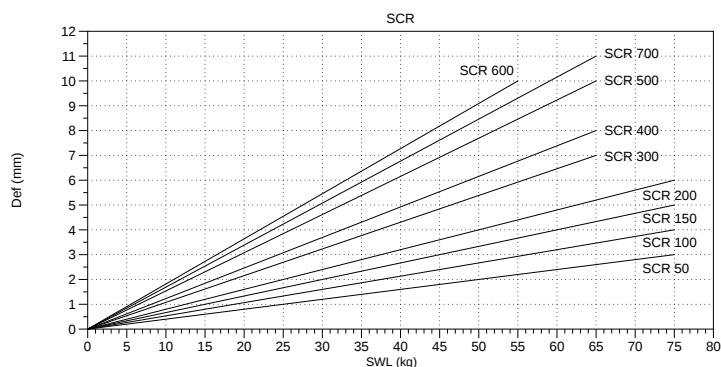


INSTRUCTIONS FOR USE

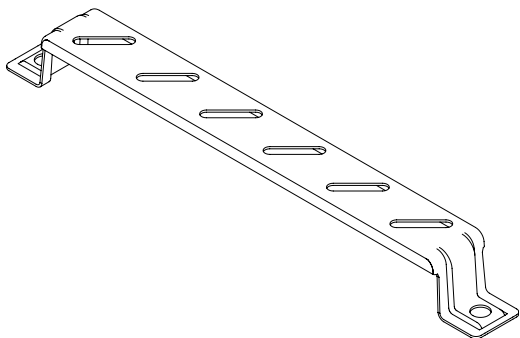
- For the assembly of the support, two wall anchorages are needed.
- To fix the trays, B1 I304 sets are needed.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.



SAVE WORKING LOAD



SV I304

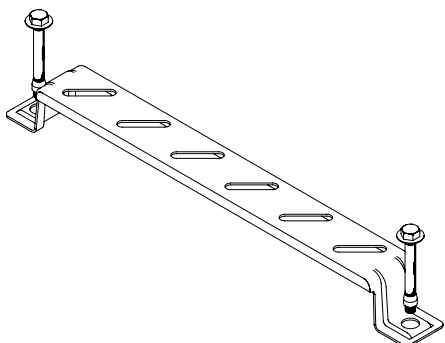
**Models (B):**

100; 150; 200; 300.

Finishes: I304**Characteristics:**

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- Resistance to corrosion: Class 9A

INSTRUCTIONS FOR USE



- For the assembly of the support, two floor anchorages are needed.
- The trays are mounted onto the supports using B1 I304 sets.

SAVE WORKING LOAD

B	SWL (kg)
100	120
150	120
200	110
300	90

SVO I304 CEILING SUPPORT

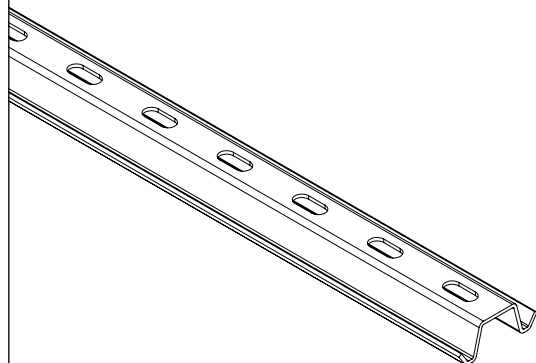
Models (B):

150; 200; 250; 300; 350; 400; 500; 600.

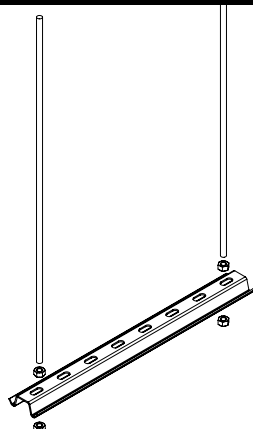
Finishes: I304

Characteristics:

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- Resistance to corrosion: Class 9A
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

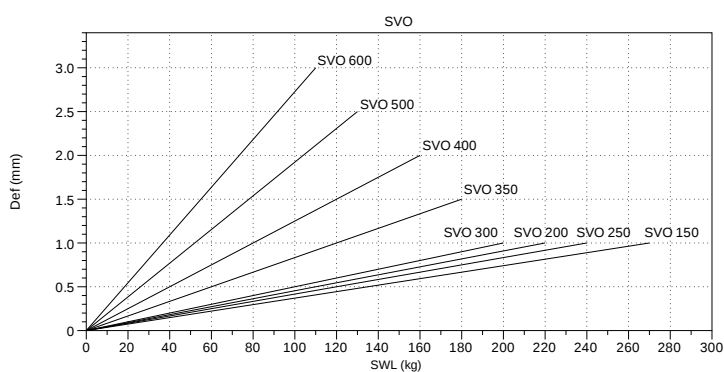


INSTRUCTIONS FOR USE

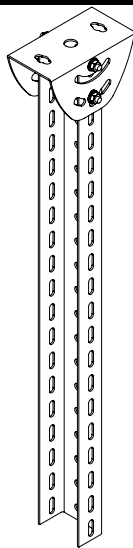


- For mounting the support on to the ceiling, two THREADED RODS are needed.
- The SVO support allows the alteration of the free height depending on the needs, by way of altering the length of the threaded rod.

SAVE WORKING LOAD



PC+HEAD BRACKET I304 CEILING SUPPORT

**Models (L):**

3000

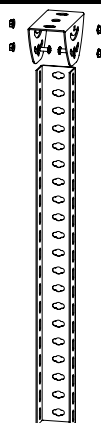
Finishes: I304.**Characteristics:**

- Metallic
- Non-flame propagating component
- With electrical continuity characteristic
- Electrically conductive component
- Resistance to corrosion: Class 9A
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C

Related products:

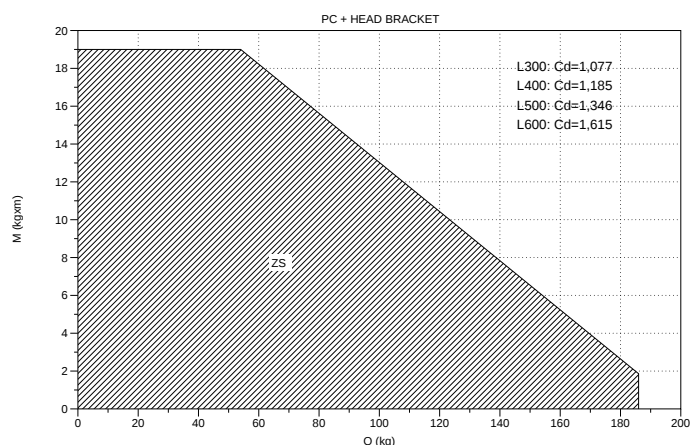
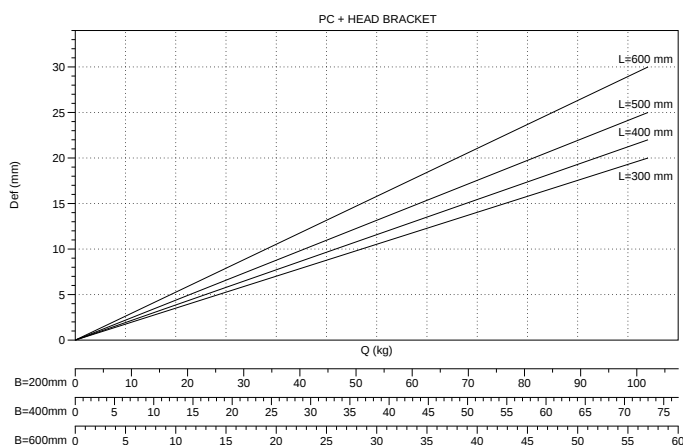
- SRB; SCR.

INSTRUCTIONS FOR USE



- For mounting onto the ceiling, two anchorages are needed.
- The hanging profile can be assembled either with SCD or with SRB, by way of using two B1 sets on the lateral area or two B2 sets on the central area.

SAVE WORKING LOAD



In order to determine the suitability of the PC+HEAD BRACKET support, observe the relationship between the bending moment and the traction load which has the most unfavourable effect on the support and check whether it is working within the limits of the safety area. To obtain the pendant's deflection, multiply the bending moment (M) by the corresponding support's distortion coefficient (Cd). $f=M \cdot Cd$

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORPLAST BPB

Declares that the product:

BASORPLAST BPB

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CE (Directiva de Baja Tensión)

2006/95/CE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its modification R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 50085-1

UNE EN 50085-2-1

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

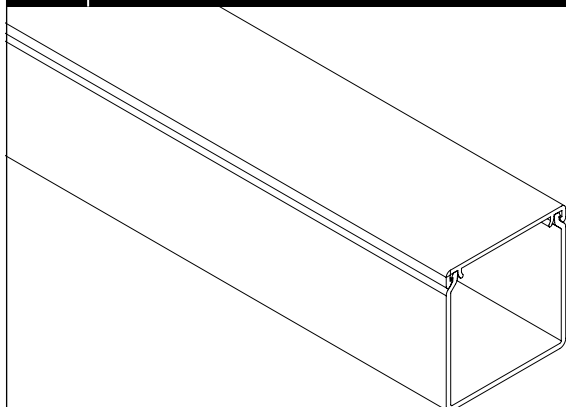
Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

BPB

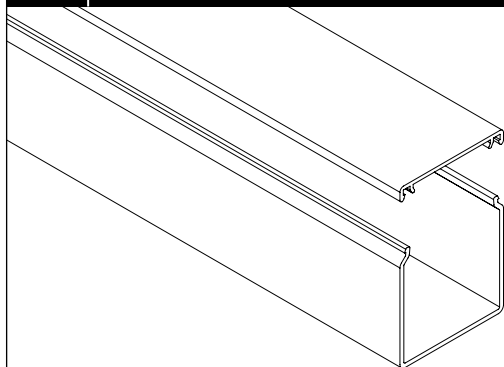
**Models (HxB):**

16x25; 16x40/2; 25x25; 40x40; 40x60; 60x60; 60x100.

Finishes: PVC M1**Characteristics of the trunking:**

- Non-metallic system
- Impact resistance: 2J
- Minimum temperature of -15 °C
- Maximum temperature of 60 °C
- Non-flame propagating component
- Without electrical continuity characteristic
- With electrical insulating characteristic
- Level of protection: IP4X
- Interior and exterior high level of protection against corrosive and polluting substances
- With access cover which can be opened without the need of tools
- M1 fire rating, UNE 23727
- Incandescent self-extinguishing wire at 960 °C, UNE 60695-2-1/1
- Inflammability UL 94-V0, AISI/UL 94-1995
- Oxygen level LOI>50%, UNE-EN ISO 4589

INSTRUCTIONS FOR USE



- The cover can be fixed by applying pressure.

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORPLAST BPI

Declares that the product:

BASORPLAST BPI

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

73/23 CEE y su modificación 93/68 CEE (Directiva de Baja Tensión)

73/23 CEE and its amendment 93/68 CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61537

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

Place and date:

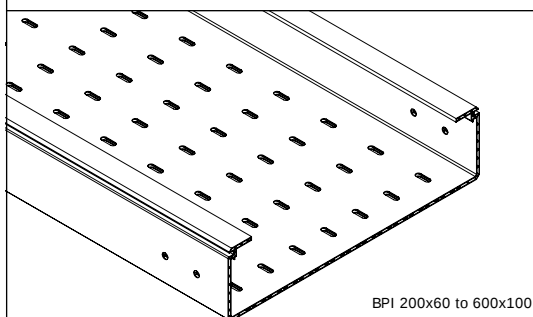
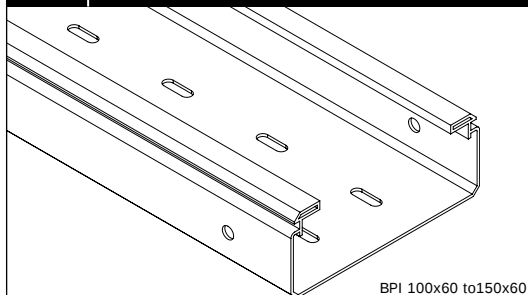
Gandía Marzo 2009

Gandía March 2009

Departamento Técnico



BASORPLAST BPI

**Models (HxB):**

60x100; 60x150; 60x200; 60x300; 100x200; 100x300; 100x400; 100x600.

Finishes: PVC M1**Characteristics of cable tray:**

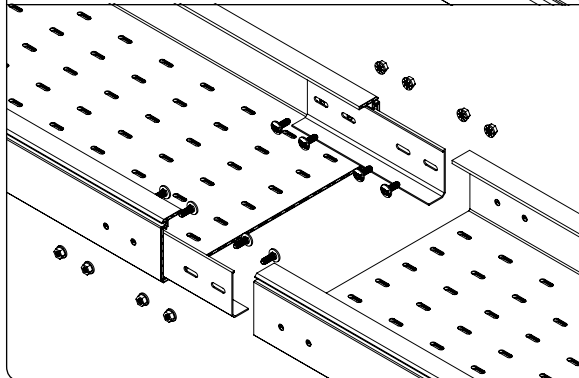
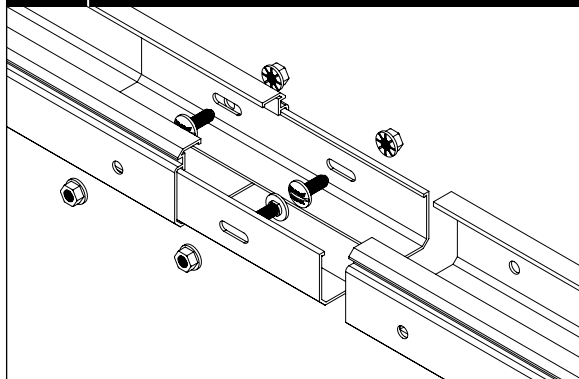
- Non-metallic system
- Impact resistance: 2J, except for 60x100 which has 10J
- Minimum temperature of -20°C
- Maximum temperature of 60°C
- Non-flame propagating component
- Without electrical continuity characteristic
- Electrically non-conductive system component
- Interior and exterior high level of protection against corrosive and polluting substances
- M1 fire rating, UNE 23727
- Incandescent self-extinguishing wire at 960°C, UNE 60695-2-1/1
- Inflammability UL 94-VO, AISI/UL 94-1995
- Oxygen level LOI>50%, UNE-EN ISO 4589

Classification according to the free base area:

Non-perforated tray: Classification A
Perforated tray:

Base Models	Classification
100	B
150	B
200	B
300	C
400	B
600	B

INSTRUCTIONS FOR USE



- For the assembly, two union joints and four M8 PVC bolt sets are needed for each stretch (8 for H100 models).
- The tray installation for an electrical system should NOT run under other types of canalizations such as water, vapour or gas canalizations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

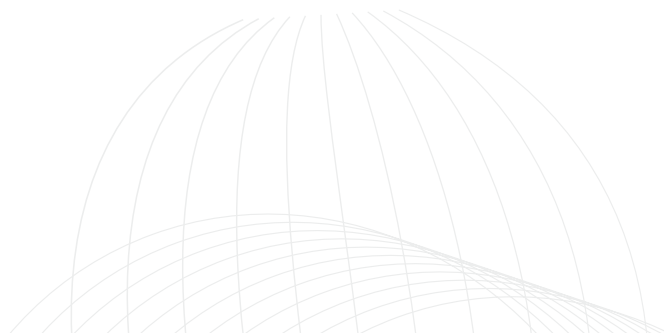
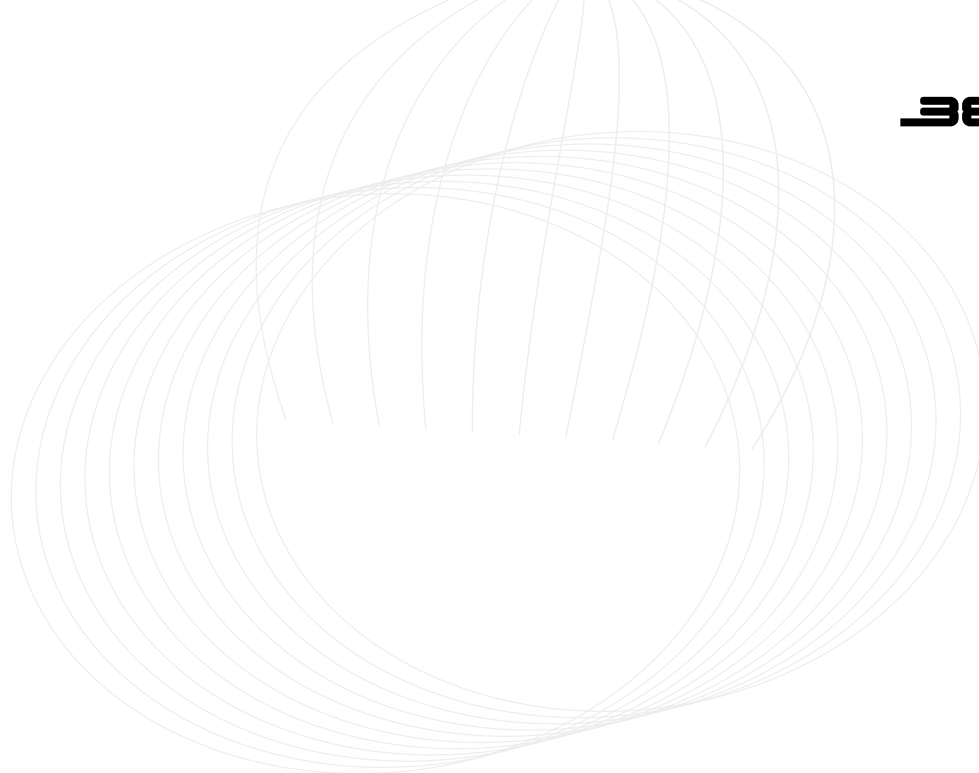
Accessories:

This family has large array of accessories: Cover, divider, horizontal bend, vertical inside, vertical outside, union joint, articulated union joint, angle joint.

SAVE WORKING LOAD

	SWL (Kg/m)
BASORPLAST	Distance 1.5 m
BPI-60x100	23
BPI-60x150	28
BPI-60x200	39
BPI-60x300	45
BPI-100x200	79
BPI-100x300	92
BPI-100x400	101
BPI-100x600	118

Note: These SWL are below a temperature of 40°C with a distance of 1.5 m between supports and below 60°C with a distance of 1 m between supports.



DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:
BASORPLAST BPI CON TAPA

Declares that the product:
BASORPLAST BPI WITH COVER

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:
Complies with the Council Directives' essential requirements:

73/23 CEE y su modificación 93/68 CEE (Directiva de Baja Tensión)
73/23 CEE and its amendment 93/68 CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.
Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:
Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 50085-1
UNE EN 50085-2-1

Información adicional:
Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE: **2009**
Year of affixing of the CE marking:

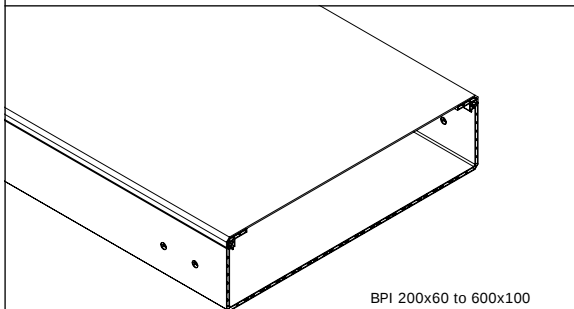
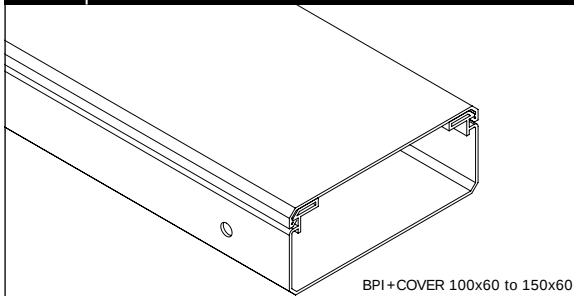
Lugar y Fecha:

Place and date:

Gandía Marzo 2009

Gandía March 2009

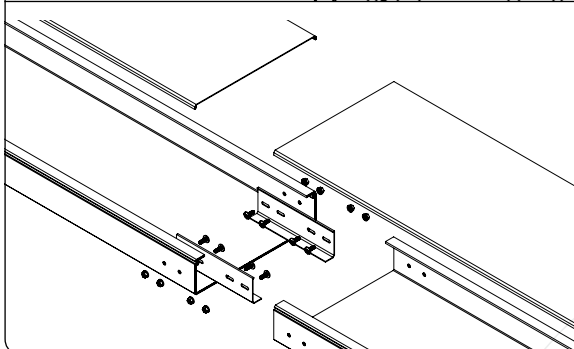
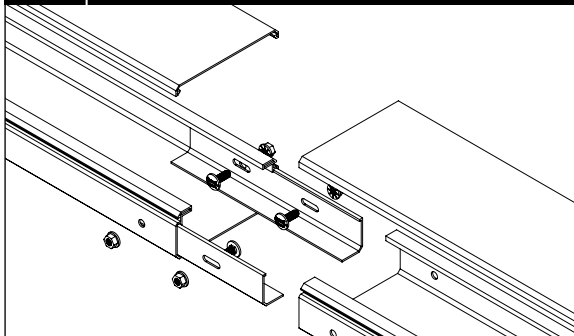
Departamento Técnico

BPI+COVER**Models (HxB):**

60x100; 60x150; 60x200; 60x300; 100x200; 100x300; 100x400; 100x600.

Finishes: PVC M1**Characteristics of the trunking:**

- Non-metallic system
- Impact resistance: 20J, except for 60x100 which 10J
- Minimum temperature of -15°C
- Maximum temperature of 60°C
- Non-flame propagating component
- Without electrical continuity characteristic
- With electrical insulating characteristic
- Level of protection against the penetration of solid substances: UNE 20.234:
 - Non-perforated BPI + Cover: IP4X
 - Perforated BPI + Cover: IP2X
- Level of protection against mechanical damages, UNE-EN 50.102:
 - IK07 (IK10 with supplementary piece)
- Interior and exterior high level of protection against corrosive and polluting substances
- With access cover which can be opened without the need of tools. In case supplementary piece needed to use a screwdriver
- M1 fire rating, UNE 23727
- Incandescent self-extinguishing wire at 960°C, UNE 60695-2-1/1
- Inflammability UL 94-V0, AISI/UL 94-1995
- Oxygen level LOI>50%, UNE-EN ISO 4589

INSTRUCTIONS FOR USE

- They are mounted using two union joints per piece with two M8 PVC bolts at height 60 and four at height 100.
- The tray installation for an electrical system should NOT run under other types of canalizations such as water, vapour or gas canalizations.

Accessories:

This family has large array of accessories: Divider, horizontal bend, vertical inside, vertical outside, end cover, lateral junction piece, joint plate, articulated joint, angle joint.

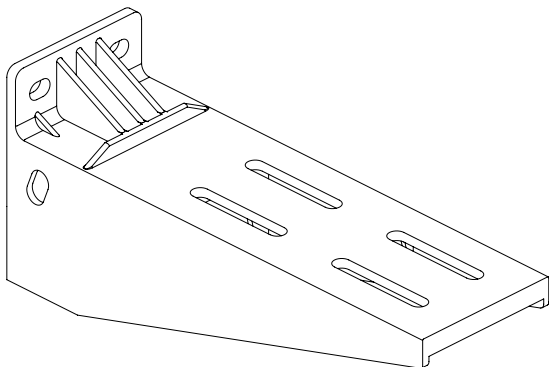
SHG

Models (B):

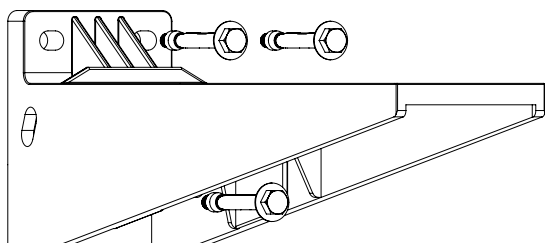
150; 200; 300.

Finishes: PVC M1**Características:**

- Non-metallic
- Non-flame propagating component
- Without electrical continuity characteristic
- Electrically non-conductive system component
- Minimum temperature of -20°C
- Maximum temperature of 60°C
- M1 fire rating, UNE 23727
- Incandescent self-extinguishing wire at 960°C, UNE 60695-2-1/1
- Inflammability UL 94-VO, AISI/UL 94-1995
- Oxygen level LOI>50%, UNE-EN ISO 4589

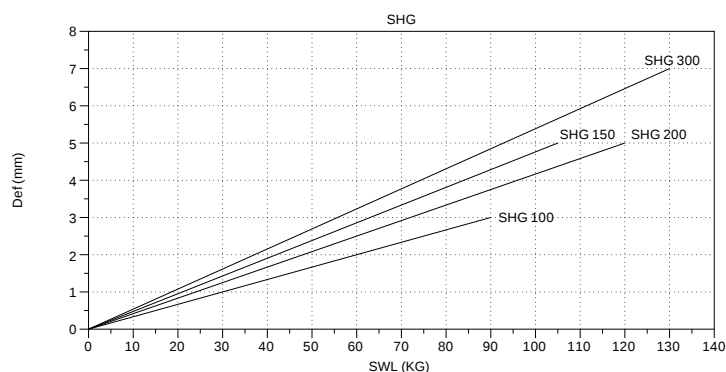


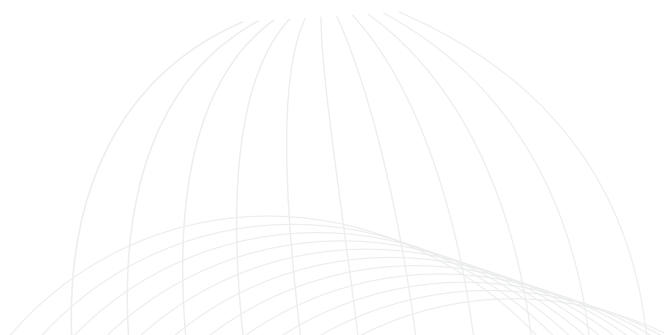
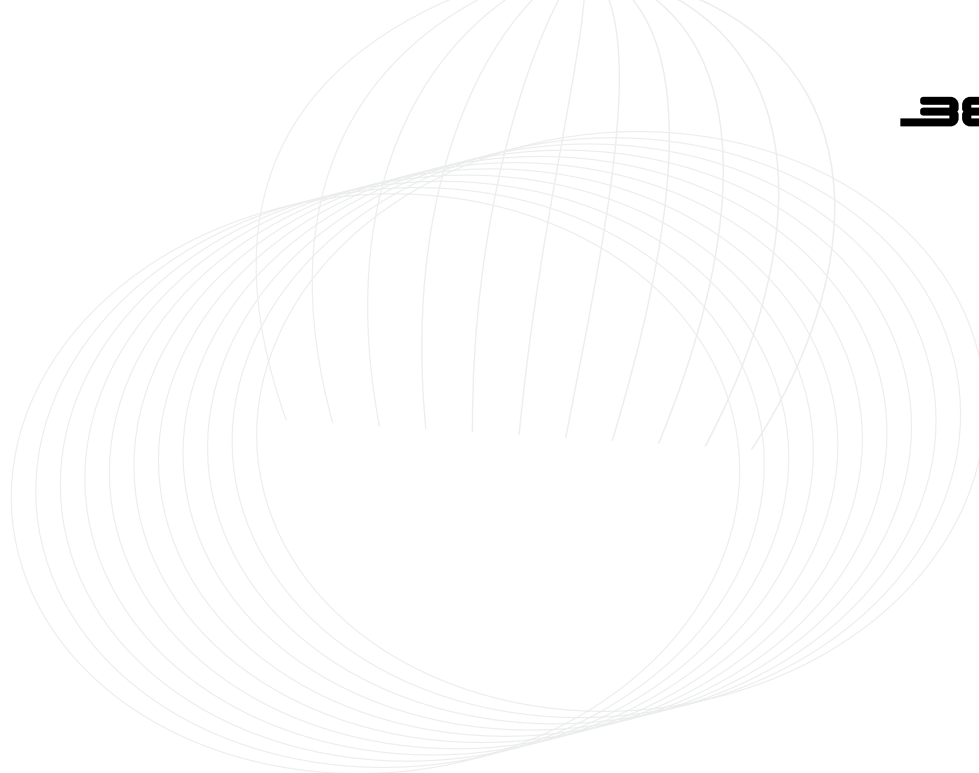
INSTRUCTIONS FOR USE



- For the mounting of the support, three wall anchorages are needed.
- To fix the support on to the tray, M8 PVC sets are used.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow for a correct ventilation of the cables.

SAVE WORKING LOAD





DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY

basor
ELECTRIC
www.basor.com



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORCANAL CT

Declares that the product:

BASORCANAL CT

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

73/23 CEE y su modificación 93/68 CEE (Directiva de Baja Tensión)

73/23 CEE and its amendment 93/68 CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 50085-1

UNE EN 50085-2-1

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

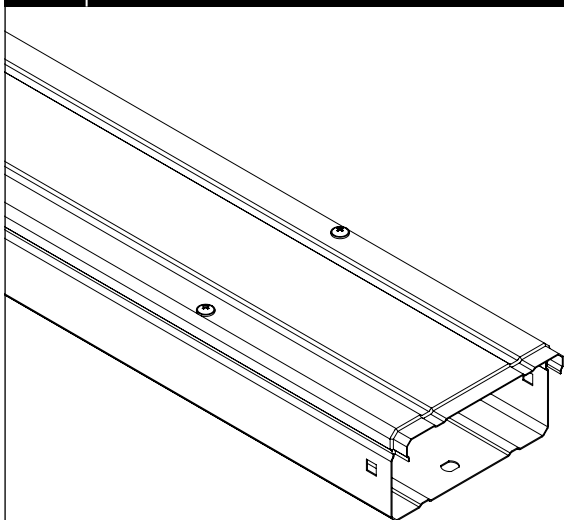
Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

CT

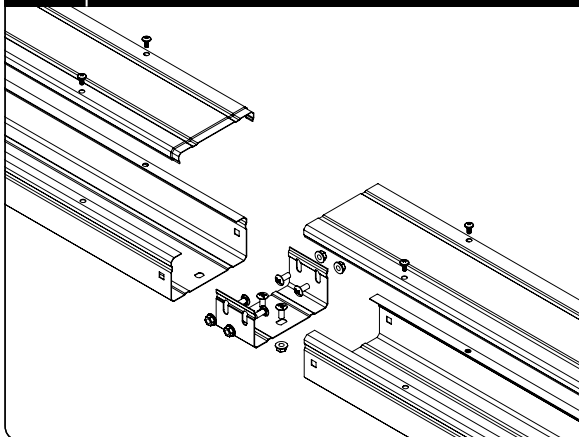
**Models (HxB):**

40x80; 40x120; 60x120; 80x140; 80x200; 100x200; 100x300; 100x400; 100x600.

Finishes: GSE**Characteristics of trunking:**

- Metallic system
- Impact resistance: 20J
- Minimum temperature of -45°C
- Maximum temperature of 120°C
- Non-flame propagating component
- System with electrical continuity characteristic
- Without electrical insulating characteristic
- Level of protection:
 - IP65 with a buprene union joint
 - IP53 without a buprene union joint
- Interior and exterior high level of protection against corrosive and polluting substances
- With access cover which can be opened with the help of tools.

INSTRUCTIONS FOR USE



- They are joined with a "U" shape union joint with six B1 sets.
- To fix the cover, six M4 bolts per closed cable tray are needed.
- The tray installation for an electrical system should NOT run under other types of canalisation such as water, vapour or gas canalisation.

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTUB R1250 PVC

Declares that the product:

BASORTUB R1250 PVC

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CE (Directiva de Baja Tensión)

2006/95/CE (Low Voltage Directive)

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61386-1

UNE EN 61386-21

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

Place and date:

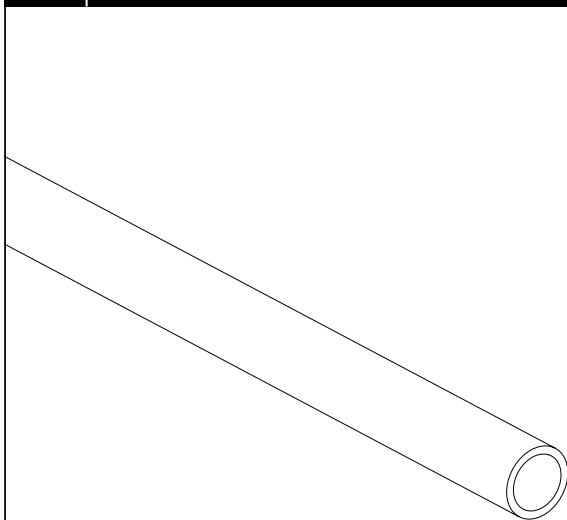
Gandía Marzo 2009

Gandía March 2009

Departamento Técnico



R1250 PVC

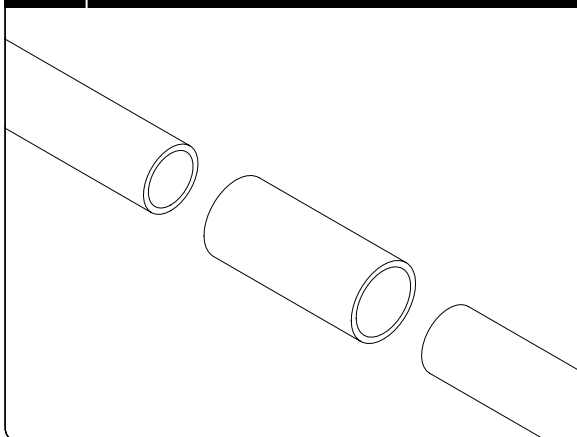
**Models:**

16, 20, 25, 32, 40, 50, 63

Material: PVC7035**Characteristics of the conduit:**

- Code: 4321 1254 4010
- Rigid plastic conduit
- Compression strenght: 1250N
- Impact strenght: 2J
- With electrical insulating characteristic
- Minimum temperature of -5°C
- Maximum temperature of 60°C
- Dielectric rigidity >2000V
- Insulation resistance >100MΩ
- Non-flame propagating component

INSTRUCTIONS FOR USE



- JUR union joints shall be used to join the different pipe stretches.
- The installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.

Accessories:

CP90 elbow, JUR coupler, flexible bend, MCR racor, SPR clip, ABR tie.

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTUB R1250 RLH

Declares that the product:

BASORTUB R1250 RLH

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CE (Directiva de Baja Tensión)

2006/95/CE (Low Voltage Directive)

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61386-1

UNE EN 61386-21

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

2009

Year of affixing of the CE marking:

Lugar y Fecha:

Place and date:

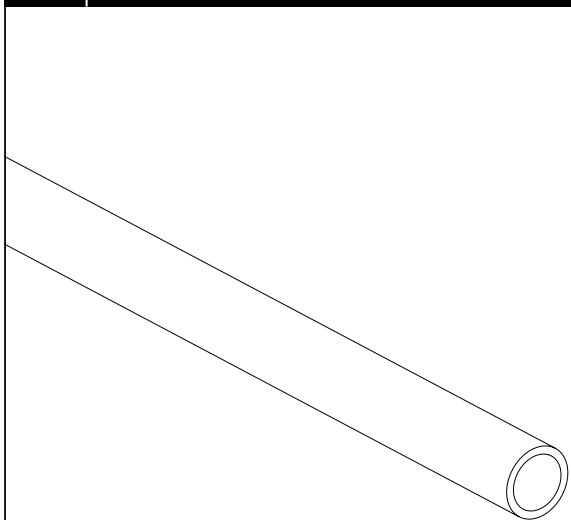
Gandía Marzo 2009

Gandía March 2009

Departamento Técnico



R1250 RLH

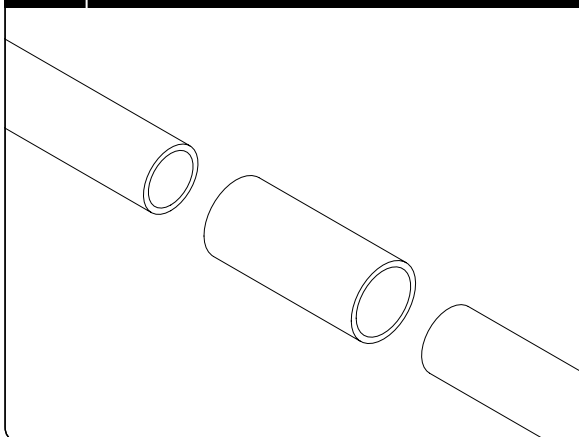
**Models:**

16, 20, 25, 32, 40, 50, 63

Material: PP7035**Characteristics of the conduit:**

- Code: 4422 1254 4010
- Halogen free rigid plastic conduit
- Compression strenght: 1250N
- Impact strenght: 6J
- With electrical insulating characteristic
- Minimum temperature of -5°C
- Maximum temperature of 90°C
- Dielectric rigidity >2000V
- Insulation resistance >100MΩ
- Non-flame propagating component

INSTRUCTIONS FOR USE



- JUR union joints shall be used to join the different conduit stretches.
- The installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.

Accessories:

CP90 elbow, JUR coupler, flexible bend, MCR racor, SPR clip, ABR tie.

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTUB RE1250 RLH

Declares that the product:

BASORTUB RE1250 RLH

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CE (Directiva de Baja Tensión)

2006/95/CE (Low Voltage Directive)

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61386-1

UNE EN 61386-21

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

Lugar y Fecha:

Place and date:

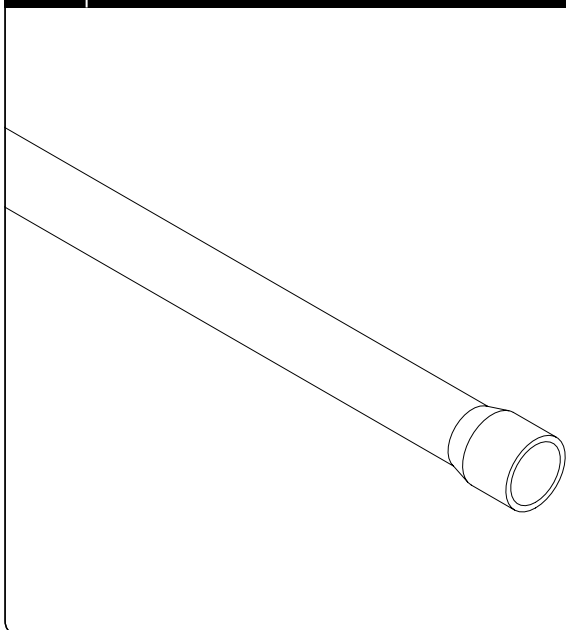
Gandía Marzo 2009

Gandía March 2009

Departamento Técnico



RE1250 RLH

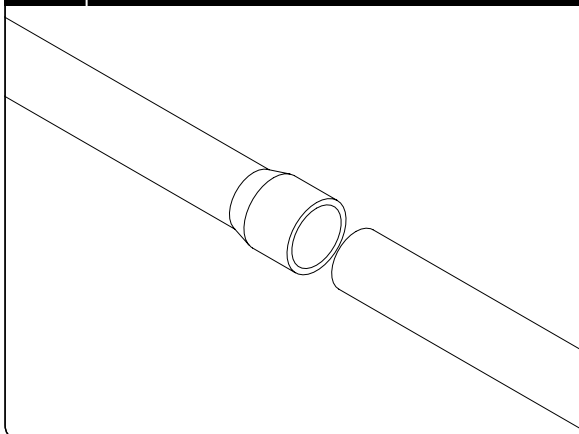
**Models:**

16, 20, 25, 32, 40, 50, 63

Material: PP7035**Characteristics of the conduit:**

- Code: 4422 1254 4010
- Halogen free rigid plastic conduit
- Compression strenght: 1250N
- Impact strenght: 6J
- With electrical insulating characteristic
- Minimum temperature of -5°C
- Maximum temperature of 90°C
- Dielectric rigidity >2000V
- Insulation resistance >100MΩ
- Non-flame propagating component
- Degree of protection against external influences: IP54

INSTRUCTIONS FOR USE



- Apart from the JUR union joint, each conduit stretch is wider on one of the ends so that it is easier to connect it to the next stretch.
- The tray installation for an electrical system should NOT run under other types of canalisations such as water, vapour or gas canalisations.

Accessories:

CP90 elbow, JUR coupler, flexible bend, MCR racor, SPR clip, ABR tie.

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORFLEX FLEXL PA6

Declares that the product:

BASORFLEX FLEXL PA6

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

2006/95/CE (Directiva de Baja Tensión)

2006/95/CE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 61386-1

UNE EN 61386-23

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

2009

Year of affixing of the CE marking:

Lugar y Fecha:

Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

DECLARACION DE CONFORMIDAD
DECLARATION OF CONFORMITY



La Empresa: **BASOR ELECTRIC, S.A.**
The Company: **BASOR ELECTRIC, S.A.**

Declara que el producto:

BASORTRUNKING

Declares that the product:

BASORTRUNKING

Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Installed in accordance with the installation standards, manufacturer's instructions and professional rules, and duly maintained and used for the applications for which it is intended.

Cumple con los requisitos esenciales de las Directivas del Consejo:

Complies with the Council Directives' essential requirements:

73/23 CEE y su modificación 93/68 CEE (Directiva de Baja Tensión)

73/23 CEE and its modification 93/68 CEE (Low Voltage Directive)

Incorporado en la Legislación Española en: R.D. 7/1988 y su modificación R.D. 154/1995.

Incorporated in the Spanish Legislation in: R.D. 7/1988 and its amendment R.D. 154/1995.

Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:

Is suitable and safe for the intended use and is in conformity with the following standard:

UNE EN 60439-1

UNE EN 60439-2

Información adicional:

Additional information:

Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

This product is intended to be installed and maintained by skilled professionals, and may only be manipulated by non-skilled people in order to substitute it for an identical device.

Año de fijación del marcado CE:

Year of affixing of the CE marking:

2009

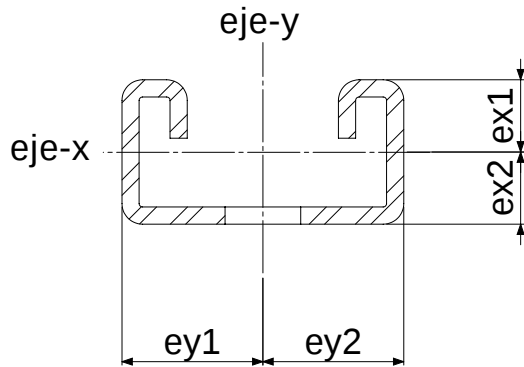
Lugar y Fecha:

Place and date:

Gandía Marzo 2009

Gandía March 2009

Departamento Técnico

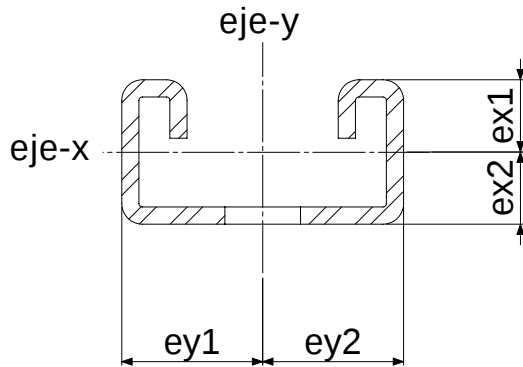


PROFILE 41x21x1.5

Admissible strength	1.50E+08 N/m ²
Moment of inertia, I _x	8.66E-09 m ⁴
Moment of inertia, I _y	3.82E-08 m ⁴
Gross area	1.60E-04 m ²
Net area	1.44E-04 m ²
Radius of gyration for x axis	7.76E-03 m
Radius of gyration for y axis	1.63E-02 m
ex1	1.09E-02 m
ex2	1.01E-02 m
ey1	2.05E-02 m
ey2	2.05E-02 m
Section modulus x axis	7.92E-07 m ³
Section modulus y axis	1.86E-06 m ³
Maximum bending moment	1.19E+02 Nm

Support span	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load (kg) applied on the outer face
0.1	951	0.07	951	951	475	0.05	475	475	238	0.16	238	238	718
0.2	475	0.27	475	475	237	0.22	237	237	119	0.65	119	101	695
0.3	317	0.61	317	317	158	0.49	158	158	79	1.47	79	45	637
0.4	238	1.09	238	238	118	0.87	118	118	59	2.61	45	25	545
0.5	190	1.70	190	155	95	1.36	95	95	48	4.08	29	16	453
0.6	158	2.45	158	108	79	1.96	79	67	40	5.88	20	11	369
0.7	136	3.34	136	79	67	2.63	67	49	34	8.01	15	8	302
0.8	119	4.36	109	61	59	3.46	59	38	30	10.46	11	6	-
0.9	106	5.51	86	48	52	4.34	52	30	26	13.23	9	-	-
1	95	6.81	70	39	47	5.39	44	24	24	16.34	7	-	-
1.1	86	8.24	58	32	43	6.56	36	20	22	19.77	6	-	-
1.2	79	9.80	48	27	39	7.72	30	17	20	23.53	5	-	-
1.3	73	11.50	41	23	36	9.06	26	14	18	27.61	-	-	-
1.4	68	13.34	36	20	33	10.38	22	12	17	32.02	-	-	-
1.5	63	15.32	31	17	31	11.99	19	11	16	36.76	-	-	-
1.6	59	17.43	27	15	29	13.61	17	9	15	41.82	-	-	-
1.7	56	19.67	24	13	27	15.20	15	8	14	47.22	-	-	-
1.8	53	22.06	22	12	26	17.38	13	7	13	52.93	-	-	-
1.9	50	24.57	19	11	25	19.65	12	7	13	58.98	-	-	-
2	48	27.23	17	10	23	21.08	11	6	12	65.35	-	-	-
2.1	45	30.02	16	9	22	23.35	10	5	11	72.05	-	-	-
2.2	43	32.95	14	8	21	25.62	9	5	11	79.07	-	-	-
2.3	41	36.01	13	7	20	27.88	8	-	10	86.43	-	-	-
2.4	40	39.21	12	7	19	30.10	8	-	10	94.11	-	-	-
2.5	38	42.55	11	6	19	34.02	7	-	10	102.11	-	-	-
2.6	37	46.02	10	6	18	36.25	6	-	9	110.44	-	-	-
2.7	35	49.63	10	5	17	38.34	6	-	9	119.10	-	-	-
2.8	34	53.37	9	-	16	40.25	6	-	8	128.09	-	-	-
2.9	33	57.25	8	-	16	44.72	5	-	8	137.40	-	-	-
3	32	61.27	8	-	15	46.41	-	-	8	147.04	-	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

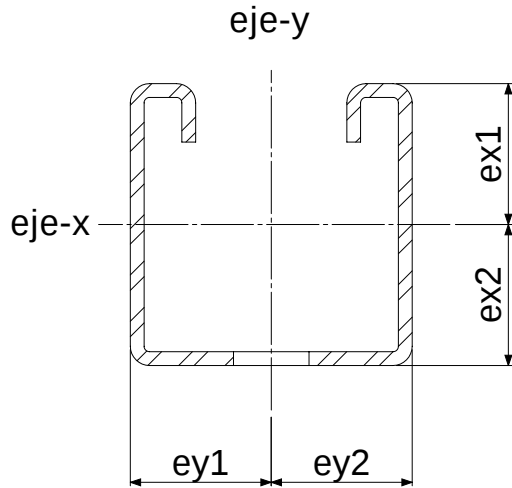


PROFILE 41x21x2.5

Admissible strength	1.50E+8 N/m ²
Moment of inertia, I _x	1.17E-8 m ⁴
Moment of inertia, I _y	5.60E-8 m ⁴
Gross area	2.46E-4 m ²
Net area	2.14E-4 m ²
Radius of gyration for x axis	7.40E-3 m
Radius of gyration for y axis	1.62E-2 m
ex1	1.09E-2 m
ex2	1.01E-2 m
ey1	2.05E-2 m
ey2	2.05E-2 m
Section modulus x axis	1.08E-6 m ³
Section modulus y axis	2.73E-6 m ³
Maximum bending moment	1.61E+2 Nm

Support span													Max. concentrated load (kg) applied on the outer face
	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	
0.1	1290	0.07	1290	1290	645	0.05	645	645	323	0.16	323	323	1007
0.2	645	0.27	645	645	322	0.22	322	322	161	0.66	161	137	970
0.3	430	0.61	430	430	215	0.49	215	215	108	1.48	108	62	882
0.4	323	1.09	323	323	161	0.87	161	161	81	2.62	61	34	748
0.5	258	1.71	258	210	129	1.37	129	129	65	4.10	39	22	615
0.6	215	2.46	215	146	107	1.96	107	91	54	5.90	27	15	501
0.7	184	3.35	184	107	92	2.67	92	67	46	8.03	20	11	411
0.8	161	4.37	148	82	80	3.47	80	51	40	10.49	15	9	-
0.9	143	5.53	117	65	71	4.39	71	40	36	13.28	12	7	-
1	129	6.83	94	52	64	5.42	59	33	32	16.40	10	5	-
1.1	117	8.27	78	43	58	6.54	49	27	29	19.84	8	-	-
1.2	108	9.84	66	36	53	7.76	41	23	27	23.61	7	-	-
1.3	99	11.55	56	31	49	9.12	35	19	25	27.71	6	-	-
1.4	92	13.39	48	27	46	10.70	30	17	23	32.14	5	-	-
1.5	86	15.37	42	23	43	12.30	26	15	22	36.89	-	-	-
1.6	81	17.49	37	20	40	13.88	23	13	20	41.98	-	-	-
1.7	76	19.75	33	18	37	15.40	20	11	19	47.39	-	-	-
1.8	72	22.14	29	16	35	17.30	18	10	18	53.13	-	-	-
1.9	68	24.66	26	15	33	19.18	16	9	17	59.20	-	-	-
2	65	27.33	24	13	32	21.69	15	8	16	65.59	-	-	-
2.1	61	30.13	21	12	30	23.54	13	7	15	72.31	-	-	-
2.2	59	33.07	20	11	29	26.17	12	7	15	79.37	-	-	-
2.3	56	36.14	18	10	28	28.87	11	6	14	86.74	-	-	-
2.4	54	39.35	16	9	26	30.46	10	6	13	94.45	-	-	-
2.5	52	42.70	15	8	25	33.10	9	5	13	102.49	-	-	-
2.6	50	46.19	14	8	24	35.74	9	-	12	110.85	-	-	-
2.7	48	49.81	13	7	23	38.36	8	-	12	119.54	-	-	-
2.8	46	53.57	12	7	23	42.78	8	-	12	128.56	-	-	-
2.9	44	57.46	11	6	22	45.46	7	-	11	137.91	-	-	-
3	43	61.49	10	6	21	48.04	7	-	11	147.58	-	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

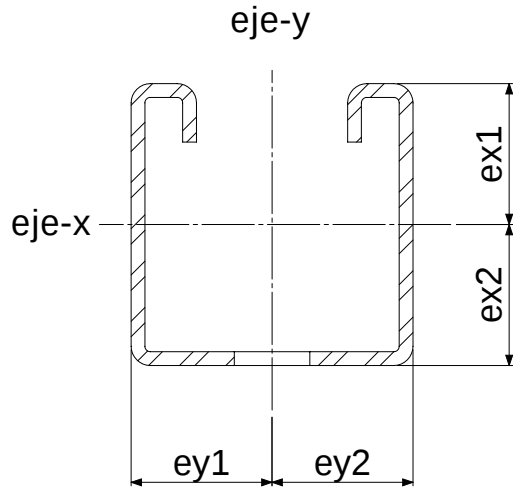


PROFILE 41x41x1.5

Admissible strength	1.50E+08 N/m ²
Moment of inertia, I _x	4.29E-08 m ⁴
Moment of inertia, I _y	5.99E-08 m ⁴
Gross area	2.15E-04 m ²
Net area	1.95E-04 m ²
Radius of gyration for x axis	1.48E-02 m
Radius of gyration for y axis	1.75E-02 m
ex1	2.05E-02 m
ex2	2.05E-02 m
ey1	2.05E-02 m
ey2	2.05E-02 m
Section modulus x axis	2.09E-06 m ³
Section modulus y axis	2.92E-06 m ³
Maximum bending moment	3.14E+02 Nm

Support span	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load (kg) applied on the outer face
0.1	2508	0.04	2508	2508	1254	0.03	1254	1254	627	0.09	627	627	1004
0.2	1254	0.14	1254	1254	627	0.12	627	627	314	0.35	314	314	997
0.3	836	0.33	836	836	418	0.26	418	418	209	0.78	209	209	980
0.4	627	0.58	627	627	313	0.46	313	313	157	1.39	157	125	958
0.5	502	0.91	502	502	250	0.72	250	250	125	2.17	125	80	921
0.6	418	1.30	418	418	209	1.04	209	209	105	3.13	100	56	870
0.7	358	1.78	358	358	179	1.42	179	179	90	4.26	74	41	801
0.8	314	2.32	314	300	156	1.85	156	156	78	5.56	56	31	731
0.9	279	2.93	279	237	139	2.34	139	139	70	7.04	45	25	658
1	251	3.62	251	192	125	2.89	125	120	63	8.69	36	20	594
1.1	228	4.38	228	159	114	3.51	114	99	57	10.52	30	17	532
1.2	209	5.22	209	134	104	4.15	104	83	52	12.52	25	14	480
1.3	193	6.12	193	114	96	4.87	96	71	48	14.69	21	12	431
1.4	179	7.10	177	98	89	5.64	89	61	45	17.04	18	10	390
1.5	167	8.15	154	85	83	6.47	83	53	42	19.56	16	9	-
1.6	157	9.27	135	75	78	7.38	78	47	39	22.26	14	8	-
1.7	148	10.47	120	67	73	8.29	73	42	37	25.13	12	7	-
1.8	139	11.74	107	59	69	9.30	67	37	35	28.17	11	6	-
1.9	132	13.08	96	53	66	10.46	60	33	33	31.39	10	6	-
2	125	14.49	87	48	62	11.46	54	30	31	34.78	9	5	-
2.1	119	15.98	78	44	59	12.63	49	27	30	38.34	8	-	-
2.2	114	17.53	72	40	57	14.03	45	25	29	42.08	7	-	-
2.3	109	19.16	65	36	54	15.18	41	23	27	45.99	7	-	-
2.4	105	20.87	60	33	52	16.61	38	21	26	50.08	6	-	-
2.5	100	22.64	55	31	50	18.06	35	19	25	54.34	6	-	-
2.6	96	24.49	51	28	48	19.50	32	18	24	58.78	5	-	-
2.7	93	26.41	47	26	46	20.93	30	16	23	63.38	-	-	-
2.8	90	28.40	44	25	44	22.32	28	15	22	68.17	-	-	-
2.9	86	30.47	41	23	43	24.24	26	14	22	73.12	-	-	-
3	84	32.61	38	21	41	25.58	24	13	21	78.25	-	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

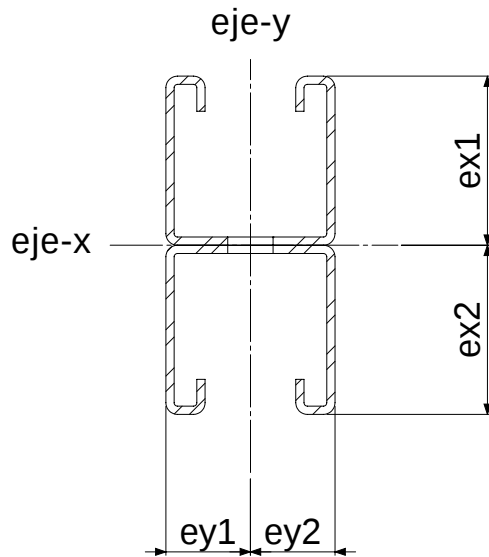


PROFILE 41x41x2.5

Admissible strength	1.50E+08 N/m ²
Moment of inertia, I _x	6.56E-08 m ⁴
Moment of inertia, I _y	9.32E-08 m ⁴
Gross area	3.46E-04 m ²
Net area	3.13E-04 m ²
Radius of gyration for x axis	1.45E-02 m
Radius of gyration for y axis	1.73E-02 m
ex1	2.07E-02 m
ex2	2.03E-02 m
ey1	2.05E-02 m
ey2	2.05E-02 m
Section modulus x axis	3.16E-06 m ³
Section modulus y axis	4.54E-06 m ³
Maximum bending moment	4.74E+02 Nm

Support span	Uniformly distributed load				Point load				Uniformly distributed load (cantilever)				Max. concentrated load (kg) applied on the outer face
	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	
0.1	3795	0.04	3795	3795	1897	0.03	1897	1897	949	0.09	949	949	1538
0.2	1897	0.14	1897	1897	948	0.11	948	948	474	0.34	474	474	1528
0.3	1265	0.32	1265	1265	632	0.26	632	632	316	0.78	316	316	1504
0.4	949	0.57	949	949	474	0.46	474	474	237	1.38	237	191	1466
0.5	759	0.90	759	759	379	0.72	379	379	190	2.15	190	122	1405
0.6	632	1.29	632	632	316	1.03	316	316	158	3.10	153	85	1326
0.7	542	1.76	542	542	271	1.41	271	271	136	4.22	112	62	1222
0.8	474	2.30	474	459	237	1.84	237	237	119	5.51	86	48	1109
0.9	422	2.91	422	363	210	2.32	210	210	105	6.98	68	38	1001
1	379	3.59	379	294	189	2.86	189	184	95	8.61	55	31	899
1.1	345	4.34	345	243	172	3.46	172	152	86	10.42	46	25	806
1.2	316	5.17	316	204	158	4.13	158	128	79	12.40	38	21	730
1.3	292	6.07	292	174	145	4.82	145	109	73	14.56	33	18	657
1.4	271	7.03	270	150	135	5.61	135	94	68	16.88	28	16	593
1.5	253	8.08	235	131	126	6.44	126	82	63	19.38	25	14	-
1.6	237	9.19	206	115	118	7.31	118	72	59	22.05	22	12	-
1.7	223	10.37	183	102	111	8.25	111	64	56	24.89	19	11	-
1.8	211	11.63	163	91	105	9.27	102	57	53	27.91	17	9	-
1.9	200	12.96	146	81	99	10.28	92	51	50	31.01	15	8	-
2	190	14.36	132	73	94	11.38	83	46	47	34.46	14	8	-
2.1	181	15.83	120	67	90	12.61	75	42	45	37.99	12	7	-
2.2	172	17.37	109	61	86	13.86	68	38	43	41.69	11	6	-
2.3	165	18.99	100	56	82	15.01	62	35	41	45.57	10	6	-
2.4	158	20.67	92	51	79	16.53	57	32	40	49.62	10	5	-
2.5	152	22.43	85	47	75	17.73	53	29	38	53.84	9	-	-
2.6	146	24.26	78	43	72	19.15	49	27	37	58.23	8	-	-
2.7	141	26.17	73	40	70	20.85	45	25	35	62.80	8	-	-
2.8	136	28.14	67	37	67	22.26	42	23	34	67.53	7	-	-
2.9	131	30.19	63	35	65	23.99	39	22	33	72.45	7	-	-
3	126	32.30	59	33	63	25.74	37	20	32	77.53	6	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed



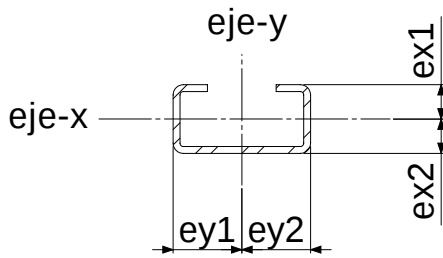
PROFILE 41x82x2.5

Admissible strength	1.50E+8 N/m²
Moment of inertia, I _x	3.89E-7 m ⁴
Moment of inertia, I _y	1.87E-7 m ⁴
Gross area	6.92E-4 m ²
Net area	6.37E-4 m ²
Radius of gyration for x axis	2.47E-2 m
Radius of gyration for y axis	1.71E-2 m
ex1	4.10E-2 m
ex2	4.10E-2 m
ey1	2.05E-2 m
ey2	2.05E-2 m
Section modulus x axis	9.49E-6 m ³
Section modulus y axis	9.11E-6 m ³
Maximum bending moment*	1.42E+3 Nm

Support span	Uniformly distributed load				Point load				Uniformly distributed load (cantilever)				Max. concentrated load (kg) applied on the outer face
	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	
0.1	11384	0.02	11384	11384	5691	0.01	5691	5691	2846	0.04	2846	2846	2546
0.2	5692	0.07	5692	5692	2845	0.06	2845	2845	1423	0.17	1423	1423	2533
0.3	3795	0.16	3795	3795	1897	0.13	1897	1897	949	0.39	949	949	2513
0.4	2846	0.29	2846	2846	1422	0.23	1422	1422	711	0.70	711	711	2487
0.5	2277	0.45	2277	2277	1138	0.36	1138	1138	569	1.09	569	569	2436
0.6	1897	0.65	1897	1897	948	0.52	948	948	474	1.57	474	474	2358
0.7	1626	0.89	1626	1626	813	0.71	813	813	407	2.13	407	370	2263
0.8	1423	1.16	1423	1423	711	0.93	711	711	356	2.79	356	284	2137
0.9	1265	1.47	1265	1265	632	1.18	632	632	316	3.53	316	224	1998
1	1138	1.81	1138	1138	569	1.45	569	569	285	4.36	285	182	1866
1.1	1035	2.20	1035	1035	517	1.76	517	517	259	5.27	259	150	1728
1.2	949	2.61	949	949	474	2.09	474	474	237	6.27	227	126	1592
1.3	876	3.07	876	876	437	2.45	437	437	219	7.36	193	107	1477
1.4	813	3.56	813	813	406	2.84	406	406	203	8.54	167	93	1359
1.5	759	4.08	759	759	379	3.26	379	379	190	9.80	145	81	1252
1.6	711	4.65	711	681	355	3.71	355	355	178	11.15	128	71	1154
1.7	670	5.24	670	603	334	4.19	334	334	167	12.59	113	63	1073
1.8	632	5.88	632	538	316	4.70	316	316	158	14.11	101	56	-
1.9	599	6.55	599	483	299	5.23	299	299	150	15.72	91	50	-
2	569	7.26	569	436	284	5.80	284	272	142	17.42	82	45	-
2.1	542	8.00	542	395	271	6.40	271	247	136	19.21	74	41	-
2.2	517	8.78	517	360	258	7.01	258	225	129	21.08	68	38	-
2.3	495	9.60	495	329	247	7.67	247	206	124	23.04	62	34	-
2.4	474	10.45	474	303	237	8.36	237	189	119	25.09	57	32	-
2.5	455	11.34	455	279	227	9.05	227	174	114	27.22	52	29	-
2.6	438	12.27	438	258	218	9.77	218	161	109	29.44	48	27	-
2.7	422	13.23	422	239	210	10.54	210	149	105	31.75	45	25	-
2.8	407	14.23	400	222	203	11.37	203	139	102	34.15	42	23	-
2.9	393	15.26	373	207	196	12.19	196	129	98	36.63	39	22	-
3	379	16.33	348	194	189	13.02	189	121	95	39.20	36	20	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

* Load information for the profile's regular work axis (x axis).

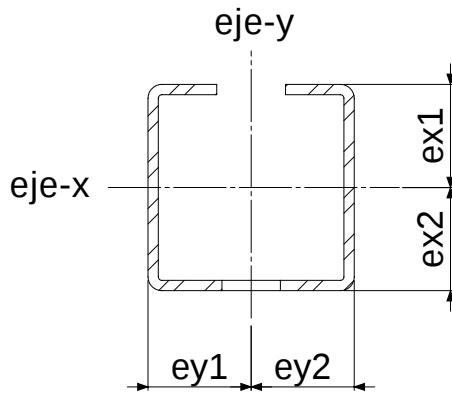


CT 20x10x1

Admissible strength	1.50E+08 N/m ²
Moment of inertia, I _x	4.82E-10 m ⁴
Moment of inertia, I _y	2.48E-09 m ⁴
Gross area	4.43E-05 m ²
Net area	3.58E-05 m ²
Radius of gyration for x axis	3.67E-03 m
Radius of gyration for y axis	8.33E-03 m
ex1	5.19E-03 m
ex2	4.81E-03 m
ey1	1.00E-02 m
ey2	1.00E-02 m
Section modulus x axis	9.29E-08 m ³
Section modulus y axis	2.48E-07 m ³
Maximum bending moment	1.39E+01 Nm

Support span													
	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load (kg) applied on the outer face
0.1	112	0.14	112	112	55	0.11	55	55	28	0.34	28	23	171
0.2	56	0.57	56	54	27	0.44	27	27	14	1.38	10	6	130
0.3	37	1.29	37	24	18	1.00	18	15	9	3.01	-	-	85
0.4	28	2.29	24	14	13	1.71	13	8	7	5.51	-	-	-
0.5	22	3.58	16	9	11	2.83	10	5	6	8.60	-	-	-
0.6	19	5.16	11	6	9	4.00	7	-	5	12.39	-	-	-
0.7	16	7.02	8	-	7	4.94	-	-	4	16.86	-	-	-
0.8	14	9.18	6	-	6	6.32	-	-	3	22.02	-	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

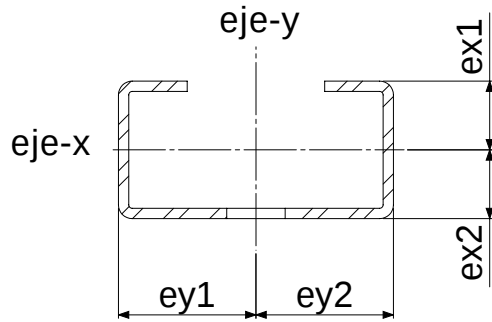


CT 30x30x1.5

Admissible strength	1.50E+8 N/m²
Moment of inertia, Ix	1.41E-8 m4
Moment of inertia, Iy	2.17E-8 m4
Gross area	1.53E-4 m2
Net area	1.28E-4 m2
Radius of gyration for x axis	1.05E-2 m
Radius of gyration for y axis	1.30E-2 m
ex1	1.34E-2 m
ex2	1.66E-2 m
ey1	1.50E-2 m
ey2	1.50E-2 m
Section modulus x axis	8.51E-7 m3
Section modulus y axis	1.45E-6 m3
Maximum bending moment	1.28E+2 Nm

Support span													
	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load (kg) applied on the outer face
0.1	1022	1	1022	1022	510	1	510	510	255	1	255	255	550
0.2	511	1	511	511	255	1	255	255	128	1	128	128	540
0.3	341	1	341	341	170	1	170	170	85	1	85	73	524
0.4	255	1	255	255	127	1	127	127	64	2	64	41	494
0.5	204	2	204	204	102	1	102	102	51	3	48	26	450
0.6	170	2	170	170	85	2	85	85	43	4	33	18	401
0.7	146	3	146	129	72	2	72	72	37	6	24	14	351
0.8	128	3	128	99	63	3	63	62	32	7	19	10	307
0.9	114	4	114	78	56	3	56	49	28	9	15	8	268
1	102	5	102	63	51	4	51	40	26	11	12	7	234
1.1	93	6	93	52	46	5	46	33	23	14	10	5	-
1.2	85	7	79	44	42	6	42	28	21	16	8	-	-
1.3	79	8	67	37	39	7	39	23	20	19	7	-	-
1.4	73	9	58	32	36	7	36	20	18	22	6	-	-
1.5	68	11	51	28	34	9	32	18	17	25	5	-	-
1.6	64	12	45	25	31	9	28	15	16	28	-	-	-
1.7	60	13	39	22	30	11	25	14	15	32	-	-	-
1.8	57	15	35	20	28	12	22	12	14	35	-	-	-
1.9	54	17	32	18	26	13	20	11	13	39	-	-	-
2	51	18	29	16	25	15	18	10	13	44	-	-	-
2.1	49	20	26	14	24	16	16	9	12	48	-	-	-
2.2	46	22	24	13	23	18	15	8	12	53	-	-	-
2.3	44	24	22	12	22	19	14	8	11	57	-	-	-
2.4	43	26	20	11	21	21	12	7	11	62	-	-	-
2.5	41	29	18	10	20	22	11	6	10	68	-	-	-
2.6	39	31	17	9	19	24	11	6	10	73	-	-	-
2.7	38	33	16	9	18	25	10	5	10	79	-	-	-
2.8	37	36	15	8	18	28	9	5	9	85	-	-	-
2.9	35	38	14	8	17	30	9	-	9	91	-	-	-
3	34	41	13	7	17	33	8	-	9	97	-	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

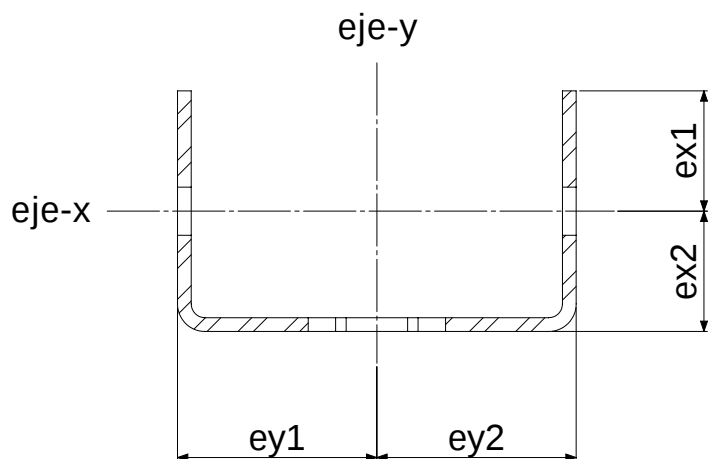


CT 40x20x1.5

Admissible strength	1.50E+08 N/m ²
Moment of inertia, I _x	7.23E-09 m ⁴
Moment of inertia, I _y	3.21E-08 m ⁴
Gross area	1.36E-04 m ²
Net area	1.24E-04 m ²
Radius of gyration for x axis	7.64E-03 m
Radius of gyration for y axis	1.61E-02 m
ex1	1.13E-02 m
ex2	8.71E-03 m
ey1	2.00E-02 m
ey2	2.00E-02 m
Section modulus x axis	6.40E-07 m ³
Section modulus y axis	1.60E-06 m ³
Maximum bending moment	9.60E+01 Nm

Support span													
	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load (kg) applied on the outer face
0.1	768	0.07	768	768	384	0.05	384	384	192	0.16	192	192	580
0.2	384	0.26	384	384	192	0.21	192	192	96	0.63	96	84	560
0.3	256	0.59	256	256	128	0.47	128	128	64	1.42	64	37	515
0.4	192	1.05	192	192	96	0.84	96	96	48	2.53	38	21	444
0.5	154	1.65	154	129	76	1.30	76	76	38	3.95	24	13	368
0.6	128	2.37	128	90	64	1.90	64	56	32	5.69	17	9	300
0.7	110	3.23	110	66	54	2.54	54	41	27	7.75	12	7	248
0.8	96	4.22	91	51	48	3.37	48	32	24	10.12	9	5	-
0.9	85	5.34	72	40	42	4.20	42	25	21	12.81	7	-	-
1	77	6.59	58	32	38	5.22	36	20	19	15.82	6	-	-
1.1	70	7.97	48	27	34	6.21	30	17	17	19.14	5	-	-
1.2	64	9.49	40	22	32	7.59	25	14	16	22.78	-	-	-
1.3	59	11.14	34	19	29	8.75	22	12	15	26.73	-	-	-
1.4	55	12.92	30	17	27	10.17	19	10	14	31.00	-	-	-
1.5	51	14.83	26	14	25	11.58	16	9	13	35.59	-	-	-
1.6	48	16.87	23	13	24	13.50	14	8	12	40.49	-	-	-
1.7	45	19.05	20	11	22	14.84	13	7	11	45.71	-	-	-
1.8	43	21.35	18	10	21	16.81	11	6	11	51.25	-	-	-
1.9	40	23.79	16	9	20	18.83	10	6	10	57.01	-	-	-
2	38	26.36	15	8	19	20.87	9	5	10	63.27	-	-	-
2.1	37	29.06	13	7	18	22.89	8	-	9	69.75	-	-	-
2.2	35	31.90	12	7	17	24.85	8	-	9	76.55	-	-	-
2.3	33	34.86	11	6	16	26.73	7	-	8	83.67	-	-	-
2.4	32	37.96	10	6	16	30.37	6	-	8	91.10	-	-	-
2.5	31	41.19	9	5	15	32.18	6	-	8	98.85	-	-	-
2.6	30	44.55	9	-	14	33.78	5	-	7	106.92	-	-	-
2.7	28	48.04	8	-	14	37.83	-	-	7	115.30	-	-	-
2.8	27	51.67	7	-	13	39.18	-	-	7	124.00	-	-	-
2.9	26	55.42	7	-	13	43.53	-	-	7	133.02	-	-	-
3	26	59.31	6	-	12	44.48	-	-	6	142.35	-	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

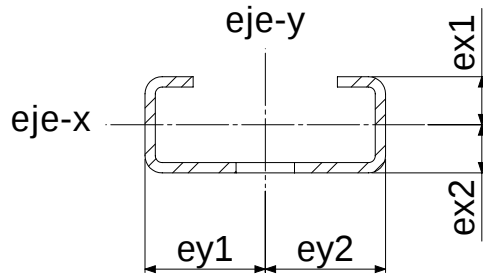


PC PROFILE

Admissible strength	1.50E+08 N/m ²
Moment of inertia, I _x	2.53E-08 m ⁴
Moment of inertia, I _y	1.10E-07 m ⁴
Gross area	2.45E-04 m ²
Net area	1.76E-04 m ²
Radius of gyration for x axis	1.20E-02 m
Radius of gyration for y axis	2.50E-02 m
ex1	2.35E-02 m
ex2	1.15E-02 m
ey1	2.90E-02 m
ey2	2.90E-02 m
Section modulus x axis	1.08E-06 m ³
Section modulus y axis	3.79E-06 m ³
Maximum bending moment	1.61E+02 Nm

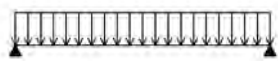
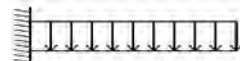
Support span	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load (kg) applied on the outer face
0.1	1291	0.03	1291	1291	645	0.03	645	645	323	0.08	323	323	544
0.2	646	0.13	646	646	322	0.10	322	322	161	0.30	161	161	540
0.3	430	0.28	430	430	215	0.23	215	215	108	0.68	108	108	532
0.4	323	0.51	323	323	161	0.40	161	161	81	1.21	81	74	518
0.5	258	0.79	258	258	129	0.63	129	129	65	1.90	65	47	492
0.6	215	1.14	215	215	107	0.91	107	107	54	2.73	54	33	461
0.7	184	1.55	184	184	92	1.24	92	92	46	3.72	43	24	424
0.8	161	2.02	161	161	80	1.61	80	80	40	4.86	33	18	387
0.9	143	2.56	143	140	71	2.03	71	71	36	6.15	26	15	353
1	129	3.16	129	113	64	2.51	64	64	32	7.59	21	12	319
1.1	117	3.83	117	94	58	3.03	58	58	29	9.19	18	10	288
1.2	108	4.55	108	79	53	3.59	53	49	27	10.93	15	8	262
1.3	99	5.35	99	67	49	4.22	49	42	25	12.83	13	7	-
1.4	92	6.20	92	58	46	4.95	46	36	23	14.88	11	6	-
1.5	86	7.12	86	50	43	5.69	43	31	22	17.08	9	5	-
1.6	81	8.01	80	44	40	6.42	40	28	20	19.43	8	-	-
1.7	76	9.14	71	39	37	7.12	37	25	19	21.94	7	-	-
1.8	72	10.25	63	35	35	8.00	35	22	18	24.60	7	-	-
1.9	68	11.42	57	31	33	8.87	33	20	17	27.40	6	-	-
2	65	12.65	51	28	32	10.03	32	18	16	30.36	5	-	-
2.1	61	13.95	46	26	30	10.89	29	16	15	33.48	-	-	-
2.2	59	15.31	42	23	29	12.10	26	15	15	36.74	-	-	-
2.3	56	16.73	39	21	28	13.35	24	13	14	40.16	-	-	-
2.4	54	18.22	35	20	26	14.09	22	12	13	43.73	-	-	-
2.5	52	19.77	33	18	25	15.31	20	11	13	47.45	-	-	-
2.6	50	21.38	30	17	24	16.53	19	10	12	51.32	-	-	-
2.7	48	23.06	28	16	23	17.74	17	10	12	55.34	-	-	-
2.8	46	24.80	26	14	23	19.79	16	9	12	59.52	-	-	-
2.9	45	26.60	24	13	22	21.03	15	8	11	63.84	-	-	-
3	43	28.47	23	13	21	22.22	14	8	11	68.32	-	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

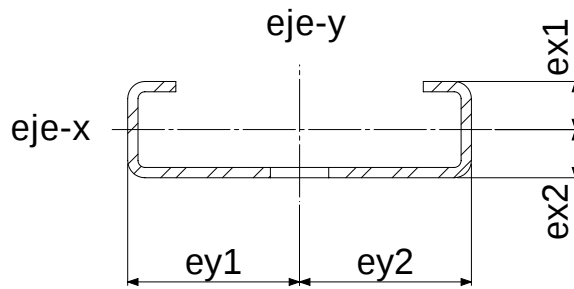


RA 35x14x1.5

Admissible strength	1.50E+8 N/m ²
Moment of inertia, I _x	2.83E-9 m ⁴
Moment of inertia, I _y	1.82E-8 m ⁴
Gross area	9.82E-5 m ²
Net area	1.11E-4 m ²
Radius of gyration for x axis	5.05E-3 m
Radius of gyration for y axis	1.28E-2 m
ex1	6.38E-3 m
ex2	7.62E-3 m
ey1	1.75E-2 m
ey2	1.75E-2 m
Section modulus x axis	3.72E-7 m ³
Section modulus y axis	1.04E-6 m ³
Maximum bending moment	5.58E+1 Nm

													
Support span	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load (kg) applied on the outer face
0.1	446	1	446	446	223	1	223	223	112	1	112	112	499
0.2	223	1	223	223	111	1	111	111	56	1	56	33	448
0.3	149	1	149	141	74	1	74	74	37	3	26	15	354
0.4	112	2	112	79	55	2	55	50	28	4	15	8	264
0.5	89	3	89	51	44	2	44	32	22	6	10	5	199
0.6	74	4	64	35	37	3	37	22	19	9	7	-	-
0.7	64	5	47	26	31	4	29	16	16	12	-	-	-
0.8	56	7	36	20	27	5	22	12	14	15	-	-	-
0.9	50	8	28	16	24	7	18	10	12	19	-	-	-
1	45	10	23	13	22	8	14	8	11	24	-	-	-
1.1	41	12	19	11	20	10	12	7	10	29	-	-	-
1.2	37	15	16	9	18	11	10	6	9	34	-	-	-
1.3	34	17	14	8	17	14	8	-	9	40	-	-	-
1.4	32	20	12	7	15	15	7	-	8	46	-	-	-
1.5	30	22	10	6	14	17	6	-	7	53	-	-	-
1.6	28	25	9	-	13	19	6	-	7	60	-	-	-
1.7	26	29	8	-	13	23	-	-	7	68	-	-	-
1.8	25	32	7	-	12	25	-	-	6	76	-	-	-
1.9	24	36	6	-	11	27	-	-	6	85	-	-	-
2	22	40	6	-	11	31	-	-	6	94	-	-	-
2.1	21	44	5	-	10	33	-	-	5	104	-	-	-
2.2	20	48	-	-	10	38	-	-	5	114	-	-	-
2.3	19	52	-	-	9	39	-	-	5	124	-	-	-
2.4	19	57	-	-	9	44	-	-	5	135	-	-	-
2.5	18	62	-	-	8	44	-	-	5	147	-	-	-
2.6	17	67	-	-	8	50	-	-	4	159	-	-	-
2.7	17	72	-	-	8	56	-	-	4	171	-	-	-
2.8	16	77	-	-	7	54	-	-	4	184	-	-	-
2.9	15	83	-	-	7	60	-	-	4	198	-	-	-
3	15	88	-	-	7	67	-	-	4	211	-	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

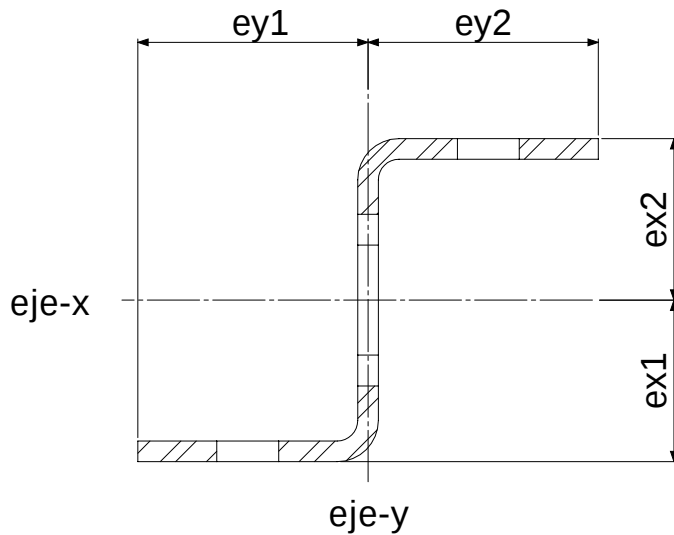


RA 50x14x1.5

Admissible strength	1.50E+08 N/m²
Moment of inertia, Ix	3.42E-09 m4
Moment of inertia, Iy	4.45E-08 m4
Gross area	1.33E-04 m2
Net area	1.21E-04 m2
Radius of gyration for x axis	5.32E-03 m
Radius of gyration for y axis	1.92E-02 m
ex1	9.11E-03 m
ex2	4.89E-03 m
ey1	2.50E-02 m
ey2	2.50E-02 m
Section modulus x axis	3.75E-07 m3
Section modulus y axis	1.78E-06 m3
Maximum bending moment	5.63E+01 Nm

Support span													
	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load (kg) applied on the outer face
0.1	450	0.08	450	450	225	0.07	225	225	113	0.20	113	113	454
0.2	225	0.33	225	225	112	0.26	112	112	56	0.78	56	40	421
0.3	150	0.74	150	150	75	0.59	75	75	38	1.76	32	18	350
0.4	113	1.31	113	96	56	1.04	56	56	28	3.14	18	10	274
0.5	90	2.04	90	61	45	1.63	45	38	23	4.90	11	6	214
0.6	75	2.94	75	43	37	2.32	37	27	19	7.06	8	-	-
0.7	64	4.00	56	31	32	3.19	32	20	16	9.60	6	-	-
0.8	56	5.23	43	24	28	4.16	27	15	14	12.55	-	-	-
0.9	50	6.62	34	19	25	5.29	21	12	13	15.88	-	-	-
1	45	8.17	28	15	22	6.39	17	10	11	19.60	-	-	-
1.1	41	9.88	23	13	20	7.73	14	8	10	23.72	-	-	-
1.2	38	11.76	19	11	18	9.03	12	7	9	28.23	-	-	-
1.3	35	13.80	16	9	17	10.84	10	6	9	33.13	-	-	-
1.4	32	16.01	14	8	16	12.75	9	-	8	38.42	-	-	-
1.5	30	18.38	12	7	15	14.70	8	-	8	44.10	-	-	-
1.6	28	20.91	11	6	14	16.65	7	-	7	50.18	-	-	-
1.7	26	23.60	10	5	13	18.54	6	-	7	56.65	-	-	-
1.8	25	26.46	9	-	12	20.32	5	-	6	63.51	-	-	-
1.9	24	29.48	8	-	11	21.90	-	-	6	70.76	-	-	-
2	23	32.67	7	-	11	25.55	-	-	6	78.41	-	-	-
2.1	21	36.02	6	-	10	26.89	-	-	5	86.44	-	-	-
2.2	20	39.53	6	-	10	30.91	-	-	5	94.87	-	-	-
2.3	20	43.21	5	-	9	31.79	-	-	5	103.69	-	-	-
2.4	19	47.04	-	-	9	36.12	-	-	5	112.91	-	-	-
2.5	18	51.05	-	-	9	40.83	-	-	5	122.51	-	-	-
2.6	17	55.21	-	-	8	40.82	-	-	4	132.51	-	-	-
2.7	17	59.54	-	-	8	45.71	-	-	4	142.90	-	-	-
2.8	16	64.03	-	-	8	50.98	-	-	4	153.68	-	-	-
2.9	16	68.69	-	-	7	49.56	-	-	4	164.85	-	-	-
3	15	73.51	-	-	7	54.87	-	-	4	176.42	-	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed



PROFILE Z

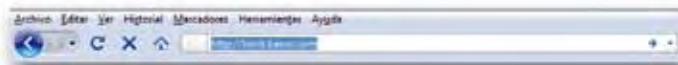
Admissible strength	1.50E+08 N/m ²
Moment of inertia, I_x	8.59E-08 m ⁴
Moment of inertia, I_y	5.83E-08 m ⁴
Gross area	3.30E-04 m ²
Net area	1.98E-04 m ²
Radius of gyration for x axis	2.08E-02 m
Radius of gyration for y axis	1.72E-02 m
$ex1$	2.35E-02 m
$ex2$	2.35E-02 m
$ey1$	3.35E-02 m
$ey2$	3.35E-02 m
Section modulus x axis	3.65E-06 m ³
Section modulus y axis	1.74E-06 m ³
Maximum bending moment*	5.48E+02 Nm

Support span	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load near center (kg)	Max. deflection (mm)	Max. concentrated load (kg) for a deflection of L/200	Max. concentrated load (kg) for a deflection of L/360	Max. distributed load (kg)	Max. deflection (mm)	Max. distributed load (kg) for a deflection of L/200	Max. distributed load (kg) for a deflection of L/360	Max. concentrated load (kg) applied on the outer face
0.1	4385	1	4385	4385	2192	1	2192	2192	1096	1	1096	1096	618
0.2	2193	1	2193	2193	1096	1	1096	1096	548	1	548	548	615
0.3	1462	1	1462	1462	730	1	730	730	365	1	365	365	611
0.4	1096	1	1096	1096	548	1	548	548	274	2	274	250	606
0.5	877	1	877	877	438	1	438	438	219	2	219	160	596
0.6	731	2	731	731	365	1	365	365	183	3	183	111	582
0.7	626	2	626	626	313	2	313	313	157	4	147	82	563
0.8	548	3	548	548	274	2	274	274	137	5	113	63	537
0.9	487	3	487	475	243	3	243	243	122	7	89	49	511
1	439	4	439	385	219	3	219	219	110	8	72	40	481
1.1	399	4	399	318	199	4	199	199	100	10	60	33	451
1.2	365	5	365	267	182	4	182	167	91	11	50	28	423
1.3	337	6	337	228	168	5	168	142	84	13	43	24	395
1.4	313	7	313	196	156	5	156	123	78	15	37	20	367
1.5	292	8	292	171	146	6	146	107	73	18	32	18	344
1.6	274	9	271	150	137	7	137	94	69	20	28	16	320
1.7	258	10	240	133	128	8	128	83	64	22	25	14	298
1.8	244	11	214	119	121	9	121	74	61	25	22	12	-
1.9	231	12	192	107	115	10	115	67	58	28	20	11	-
2	219	13	173	96	109	11	108	60	55	31	18	10	-
2.1	209	14	157	87	104	12	98	55	52	34	16	9	-
2.2	199	16	143	79	99	13	89	50	50	37	15	8	-
2.3	191	17	131	73	95	14	82	45	48	41	14	8	-
2.4	183	19	120	67	91	15	75	42	46	44	13	7	-
2.5	175	20	111	62	87	16	69	38	44	48	12	6	-
2.6	169	22	102	57	84	18	64	36	42	52	11	6	-
2.7	162	24	95	53	81	19	59	33	41	56	10	5	-
2.8	157	25	88	49	78	20	55	31	39	60	9	5	-
2.9	151	27	82	46	75	22	51	29	38	64	9	-	-
3	146	29	77	43	73	23	48	27	37	69	8	-	-

NOTE: In cantilever case, concentrated load on the edge is considered 38% of the distributed

* Load information for the profile's regular work axis (x axis).

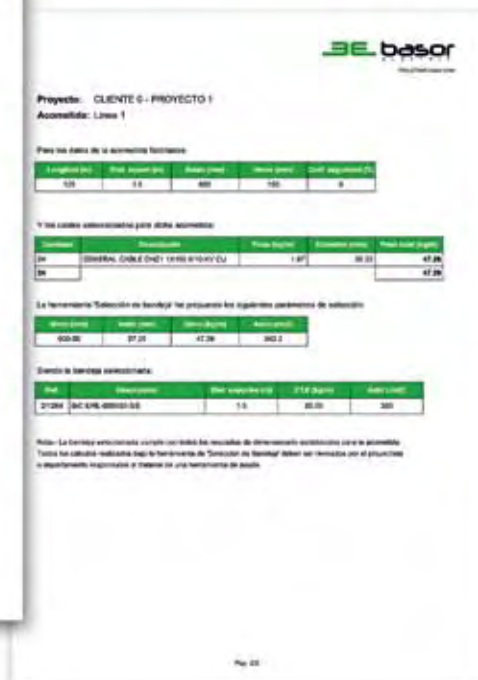
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