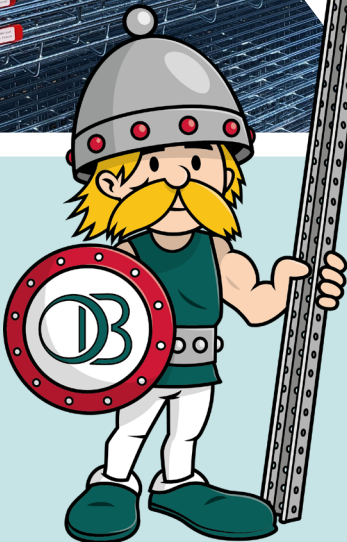
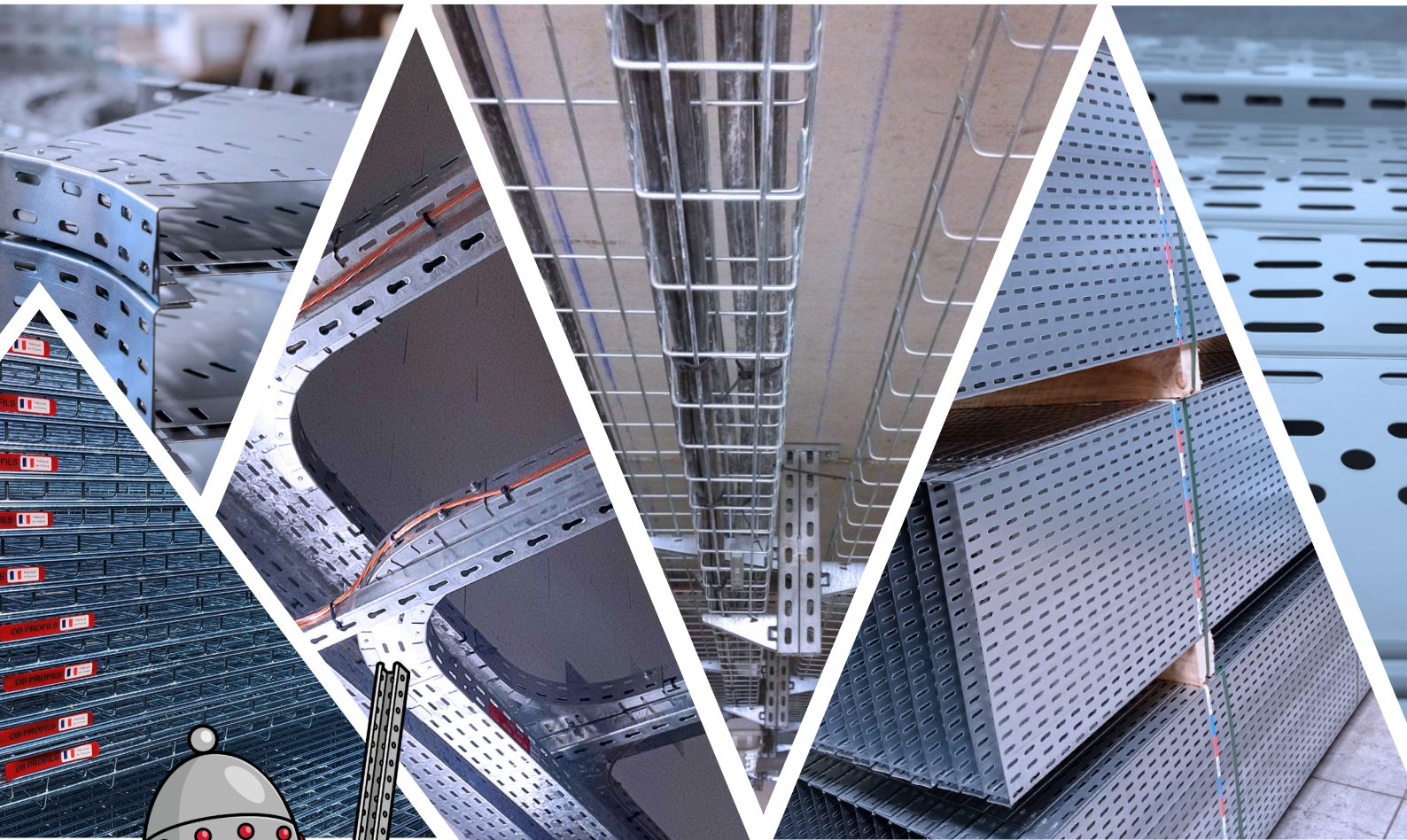




# FRENCH MANUFACTURER OF CABLE TRAYS



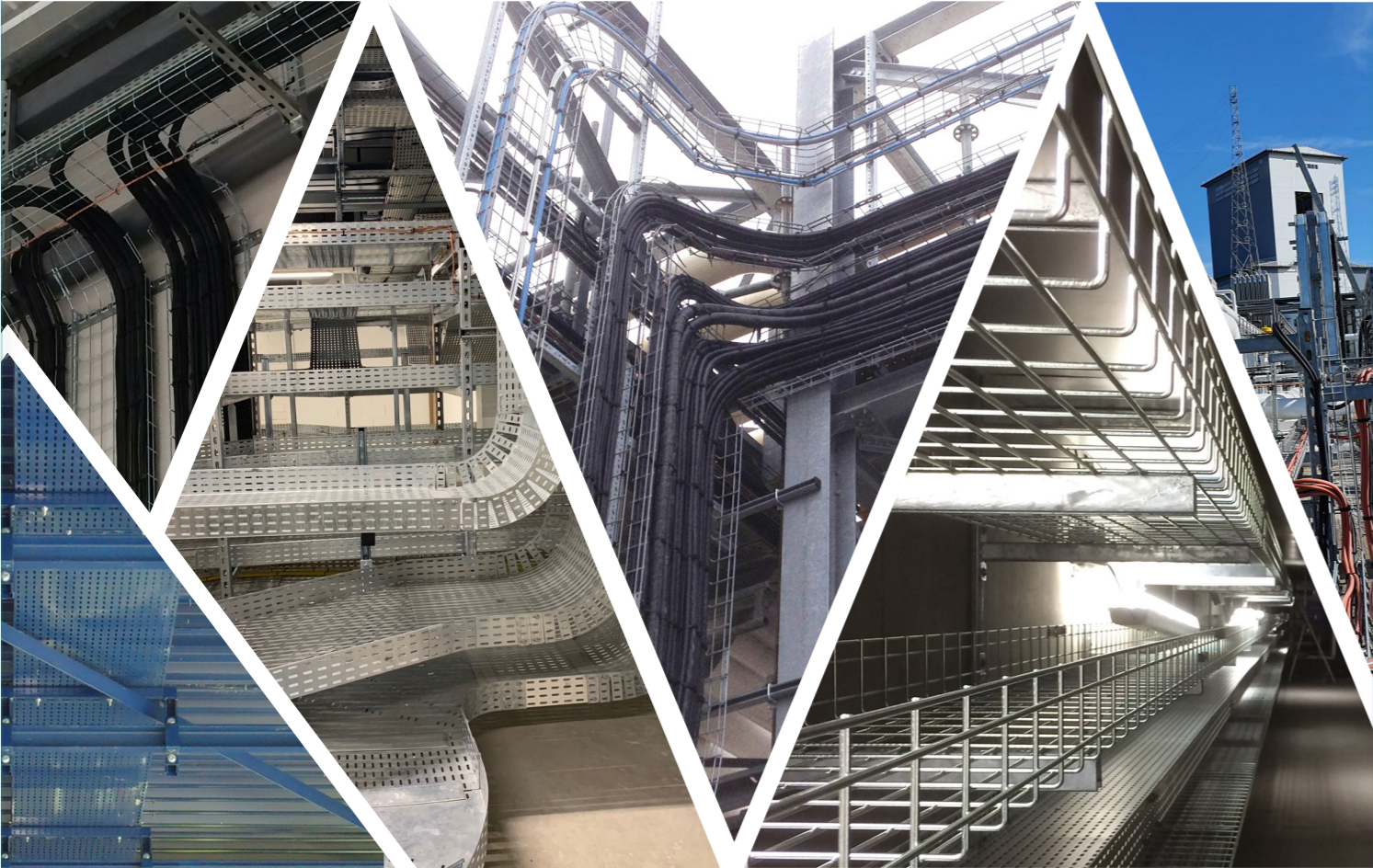
CATALOGUE 2022 - 2023

Some of our references

Construction factory (85)

Water treatment plant (27)

Space Center (Guyane)  
<https://centrespatialguyanais.cnes.fr/en>

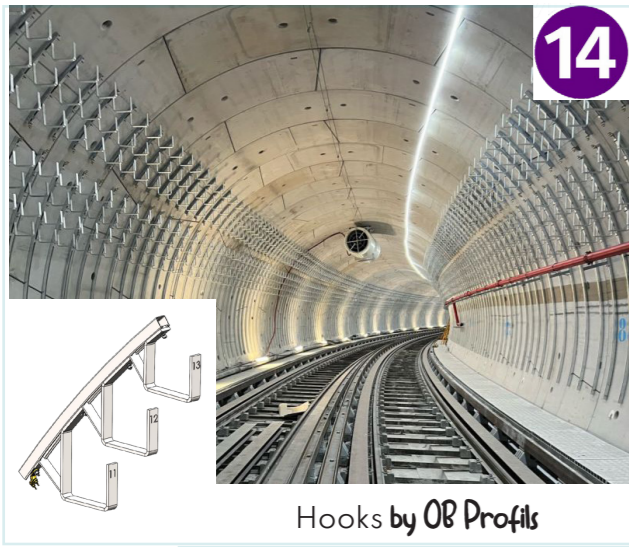


Office building (Paris 15<sup>e</sup>)

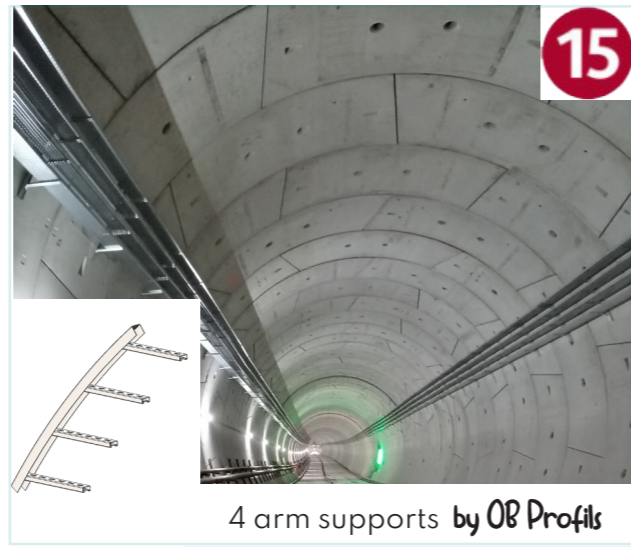
Data Centre (28)

Underground station (35)

OB Profils is awarded for several contracts for the Grand Paris Express 4 6 11



Hooks by OB Profils



4 arm supports by OB Profils

We thank our customer for their trust.

2002 - 2022

20 years supporting you with quality products, adapted to your needs and tailor-made solutions for your international and French projects.

Our new headquarters has allowed us to increase our production capacity with the installation of new and more efficient equipments and also to reintegrate logistic department. So we are able to provide you a better service reducing leadtime in the same time.

Logistics department, new building with 3 000 sqm  
 - Activity fully integrated to OB Profils -



An airlock to link production & logistic departments



2 000 locations



A motivated team

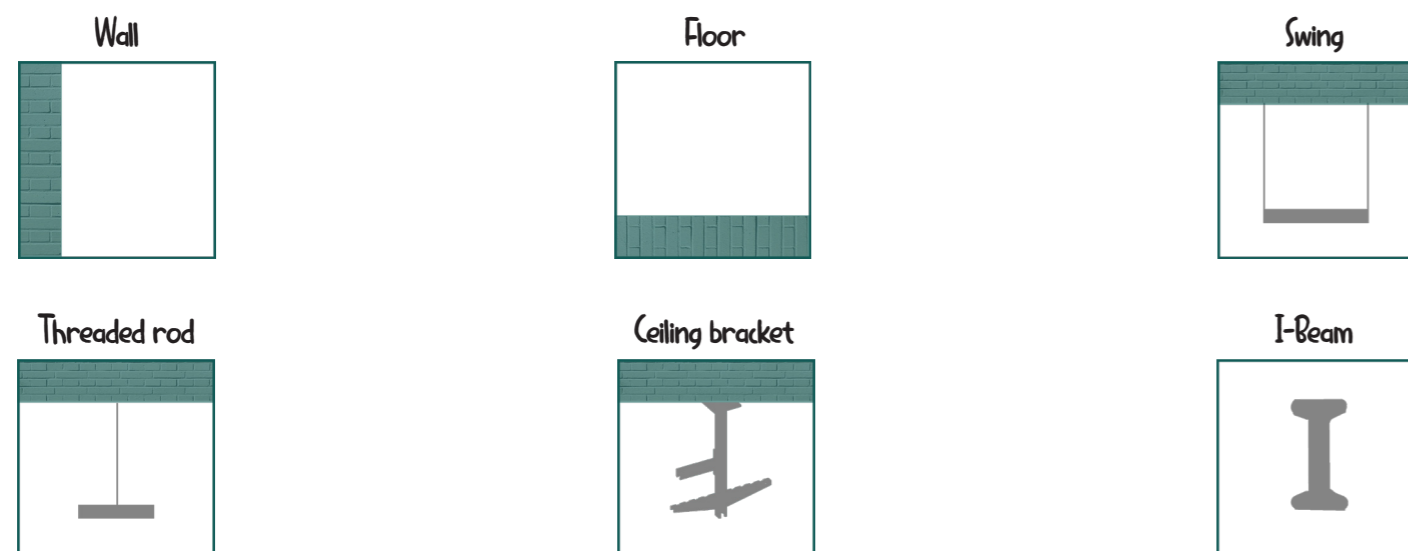


Our French company, due to its size and the involvement of each of its employees, will provide you the service you are entitled to expect.

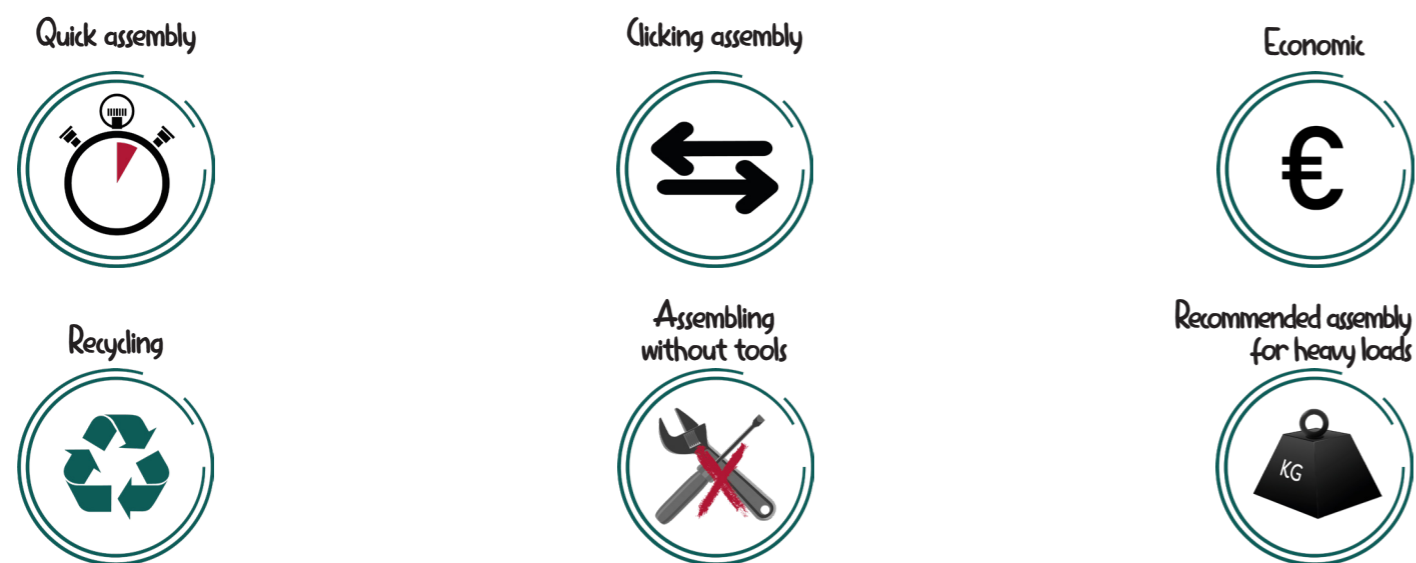
We thank you for your trust.

Christine BADAIRE  
 Owner

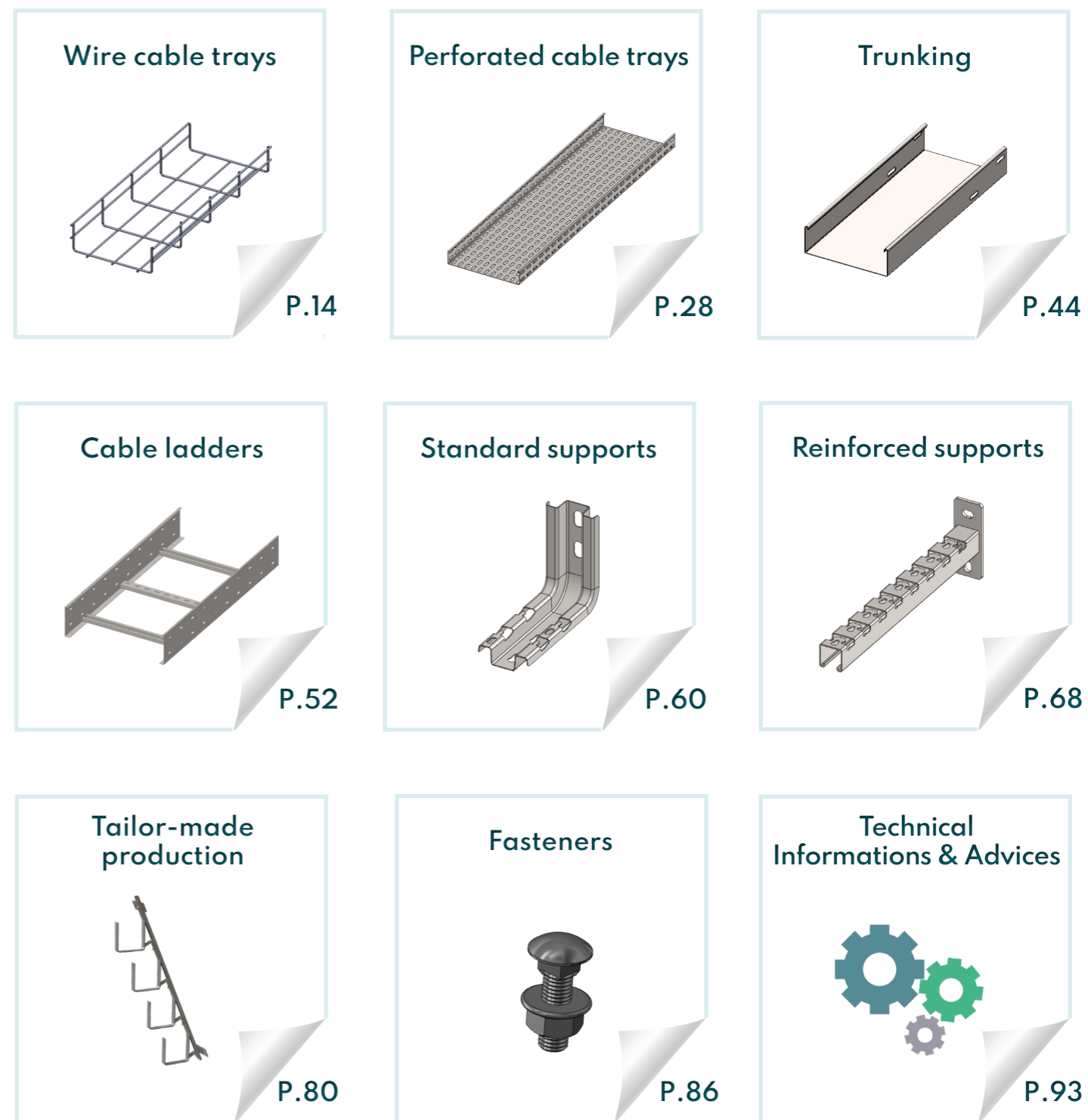
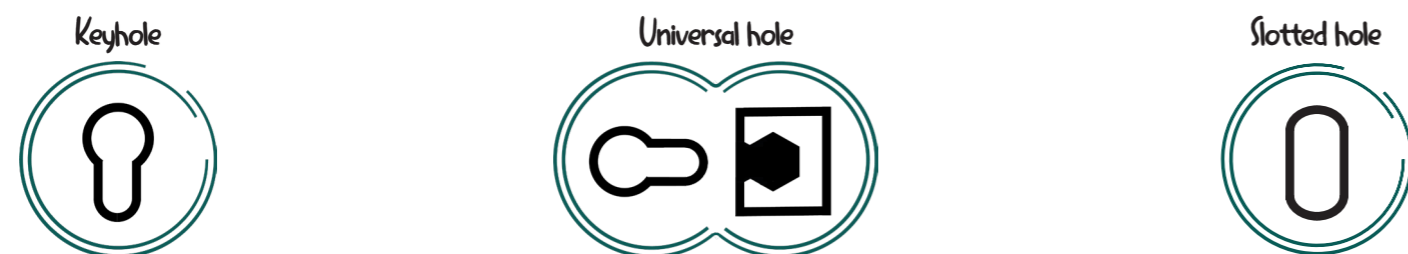
## Recommendation for assemblings



## Additional information



## The different types of perforation



This catalogue is also available in PDF on our website [www.ob-profiles.com](http://www.ob-profiles.com)

All weights indicated are calculated before surface treatment.

## An essential partner for your projects

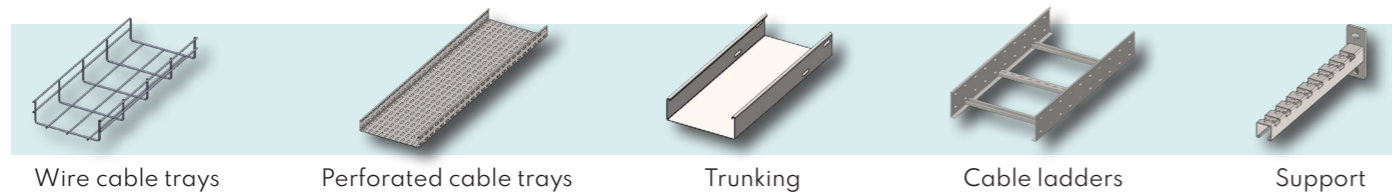
OB Profils is a French company, founded in 2002 and located 80 km from Paris, in a 6 hectares park where the administrative offices, production and logistic departments are located.



Aerial view - March 2022  
(28) Prunay-le-Gillon



We manufacture cable trays and all necessary support systems for its installation.



Our catalogue counts on more than 2 500 standard references as well as tailor-made part which demonstrates our know how and our ability to provide you equipment customized to your needs.

Our sales team and our design department are at your disposal to design your specifications, plans... in order to provide you specific products corresponding to your expectations.

France sales department  
commercial@ob-profil.fr  
+33 (0) 237 300 301

Export sales department  
export@ob-profil.fr  
+33 (0) 237 30 74 75

“ Consume French cable trays, it's possible ! ”

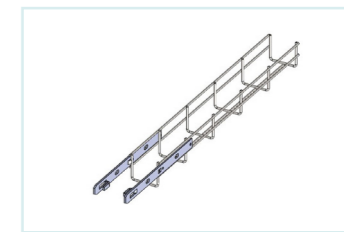
## Our customers are our greatest source of inspiration

For 20 years, we have been continuously innovating to satisfy you and facilitate the work on construction sites.

Today we provide more than 2 500 references, in various finishes and we will continue to provide you optimal solutions, it's in our mission.

In order to meet the demands of our customers, we have added a wire in the bottom of the cable tray, a 50mm wide self-connecting wire, to make it easier to hang cables.

- Self-connected -  
Wire cable tray  
OB2-50 AE p.15



In 2021, we have created 900 tailor-made products and 500 in the first semester of 2022.

Thanks to our capacity to innovate, we have for example supplied on the Grand Paris Express subway, tailor-made support ; bent rails with hooks to support the cable located in the tunnels ; specifics supports for cable trays in Magnelis®.

“ Innovation, proximity are essentials for us ”

For some years now, less polluting alternatives have been available to us and to you in the choice of finishes.

Choosing these materials already coated reduce products carbon footprint.



For the past 5 years, we have been offering Magnelis® cable trays which provide superior corrosion protection to the hot dip galvanized surface treatment.



For the wire cable trays, Zinc Aluminium alloy is an option that allows us to make contribution to the reduction of greenhouse gases in the construction of eco-responsible buildings. We can manufacture our entire range of wire cable trays in this material, in any width and height.

We keep offering tailor-made wire cable trays.



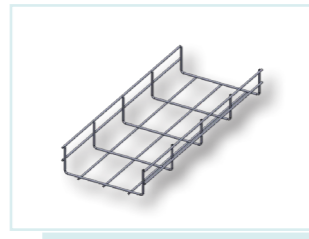
## Our commitment

Aware of the climate emergency, we have decided to join the CSR process in order to give a framework to our commitment and to identify our progress.



In order to promote our made in France products, we have produced the PEP sheets of our main references in wire cable trays and perforated cable trays, for all finishes with an equivalence according to the different dimensions.

Wire cable trays



Perforated cable trays



PEP sheets are available online : [www.pep-ecopassport.org](http://www.pep-ecopassport.org)

The challenge for all those involved in the construction industry is to protect our planet. We will continue to support you by highlighting our «Made In France» products, the PEP sheets and for 2023, our carbon footprint.

We are convinced that our organisation, our production located next to our customers and the proximity of our subcontractors will contribute to the attractiveness of our products.



To reach this goal, our head office is an additional asset. An ideal place for the development of our employees, a place of conviviality and exchange, which contributes to our performance.

The survey Quality of Life at Work, carried out in 2020 among our collaborators, revealed a result of 7.5/10, proving their satisfaction at OB Profils.

Finally, the respect for our subcontractors, the constant search for dialogue and the improvement of our manufacturing process are important values in our daily work.

It is this mix of **Customers / Employees / Subcontractors** that will enable us to be better and to make our contribution to the societal and environmental challenges of tomorrow.

A company committed to ISO 9001-2015



Looking for the performance and continuous improvement, we set up a management system that meets ISO 9001 standard requirements.

We have mapped our processes, defined our indicators and implemented audits to ensure to our customers they receive products complying with their expectations.

We support you with :

- ✓ A local and reliable organisation,
- ✓ The traceability of our manufacturing process, from the receipt of raw materials to the various stages of production, to the surface treatment and storage of our products,
- ✓ The control of the quality of our products by continuous controls all along the production chain,
- ✓ Systematic treatment of complaints
- ✓ Quality awareness,
- ✓ Our employees skills
- ✓ Increased consideration of internal and external issues as well as the evaluation for the risks and opportunities of our activities by the analysis and permanent monitoring of our data and regulatory and standards monitoring.

“

Our customers satisfaction is our main concern and we are looking for the best to keep their trust.

”

## BIM - Building Information Modeling

BIM is a new way to share information and knowledge between different actors on a same construction project thanks to a 3D digital model.

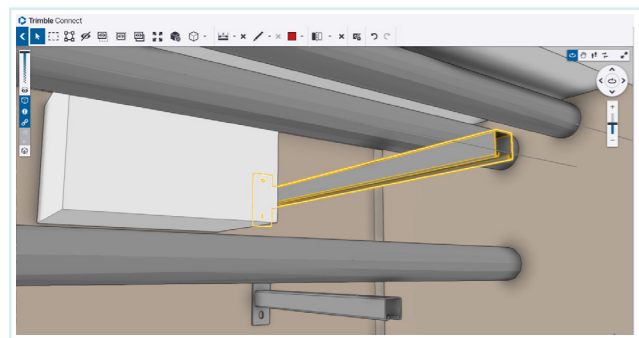
The principle of this working method is to share of information and knowledge between the different trades.

Working with BIM allows a better project viewing, to encourage collaborative work and cost optimization.



## OB Profils integrates BIM into its designs

OB PROFILS continues its digital transition using every day BIM.



We work with softwares :

- REVIT (.rvt)
- Trimble (.ifc)
- Autocad (.dwg)

By working with us, you benefit from :

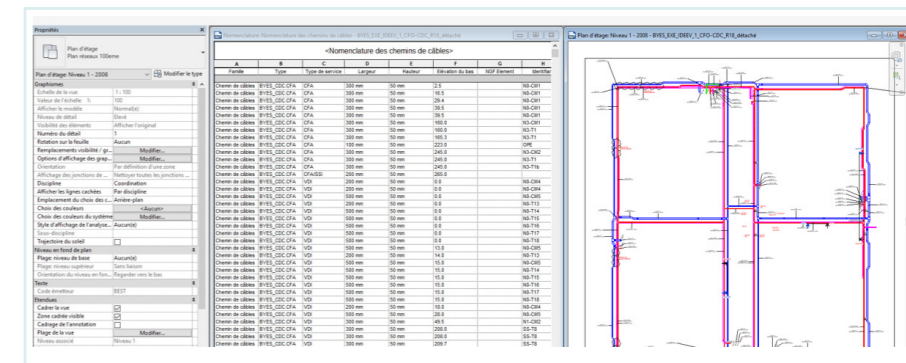
- ✓ Access to our REVIT library and support module by OB Profils
- ✓ Support for your designs
- ✓ Working on BIM models
- ✓ Collection of your needs
- ✓ Design of the support system

Contact us to get access to our library and support module by OB Profils.

## Focus on our softwares

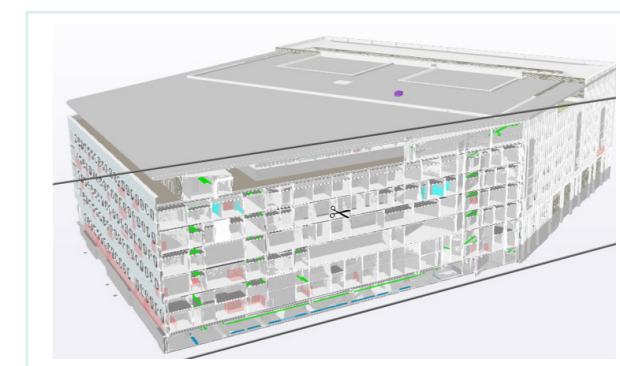
REVIT

- ✓ Analyze
- ✓ Quantify
- ✓ Extract
- ✓ Process



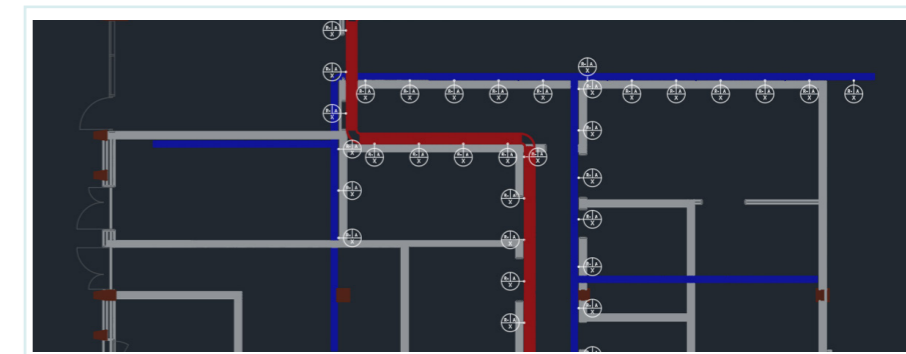
TRIMBLE

- ✓ Analyze
- ✓ Extract essential informations



AUTOCAD

- ✓ Process
- ✓ Design
- ✓ Finalize



In a few words :

A new way of working

Better offers to inquiries

More precise

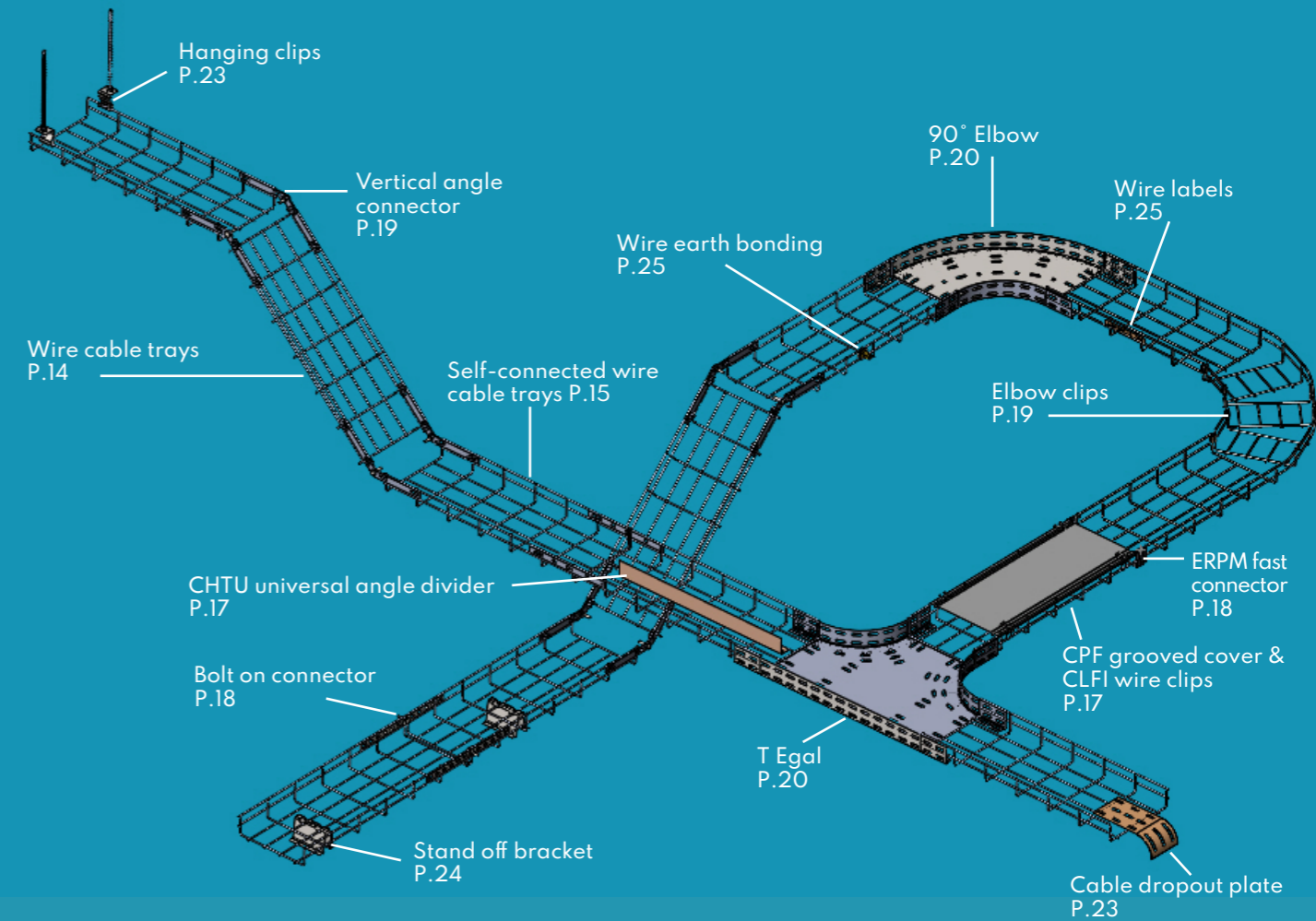
Best support

# Wire cable trays

Manufacturing from A to Z



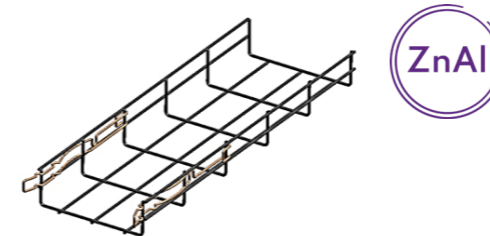
# Wire cable trays



## NEW : Zinc Alu wire

Wire cable trays more resistant against corrosion

Do it with Zinc Aluminum !



- ✓ Resistant to salty area : 850 hours,
- ✓ Reduction of carbon footprint,
- ✓ Healing effects on cuts,
- ✓ 40 % more resistant than hot dip galvanized.

The essentials in **RED** and **BLACK** : Products available on stock  
References in **GREEN** : Products on request.

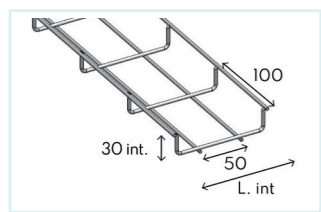
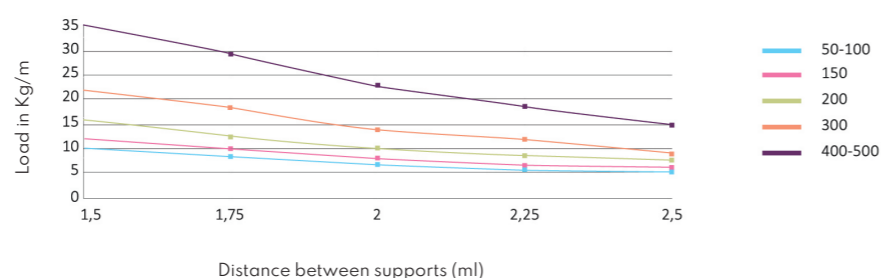
## Wire cable trays

### Wire cable trays - Height 30

**OB1** 3 meters. Safe flanges : chamfered weft wires.  
AISI 316L or epoxy on request.  
Connecting with ECR connector.

	Pack. MI	Width MM	Max capacity (Kg/ML)	Kg/ ML	EZ	HDG	SS304L
OBI 50	6	50	3.50	0.38	803005	203005	403005
OBI 100		100	7.00	0.52	803010	203010	403010
OBI 150		150	10.50	0.67	803015	203015	-
OBI 200		200	14.00	0.82	803020	203020	-
OBI 300		300	21.00	1.30	803030	203030	-
OBI 400		400	28.00	1.75	803040	-	-
OBI 500		500	35.00	2.51	803050	-	-

Load curve of OBI (except stainless steel)

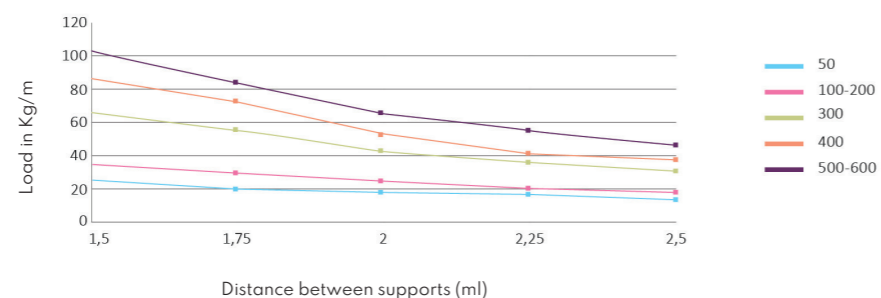


### Wire cable trays - Height 54

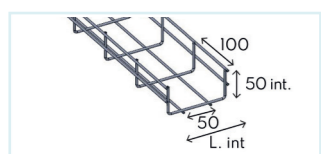
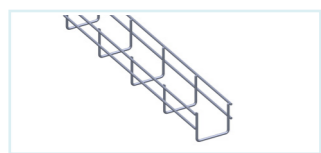
**OB2** 3 meters. Safe flanges : chamfered weft wires.  
Epoxy on request.  
Connecting with ECR or ERPM fast connector only from OB2-50 to OB2-200.

	Pack. MI	Width MM	Max capacity (Kg/ML)	Kg/ML	EZ	HDG	SS304L	SS316L
OB2 50*	6	50	6.30	0.57	805005	205005	405005	605005
OB2 100		100	12.60	0.73	805010	205010	405010	605010
OB2 150		150	18.90	0.85	805015	205015	405015	605015
OB2 200		200	25.20	0.97	805020	205020	405020	605020
OB2 300		300	37.80	1.73	805030	205030	405030	605030
OB2 400		400	50.40	2.49	805040	205040	405040	605040
OB2 500		500	63.00	2.92	805050	205050	405050	605050
OB2 600		600	75.60	3.35	805060	205060	405060	-

Load curve of OB2 (except stainless steel)



OB2-50\* wireless at the bottom



## Wire cable trays

### Self-connected wire cable trays - Height 54

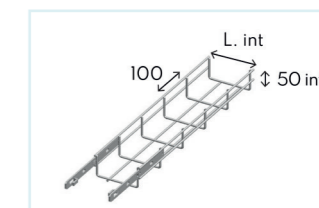
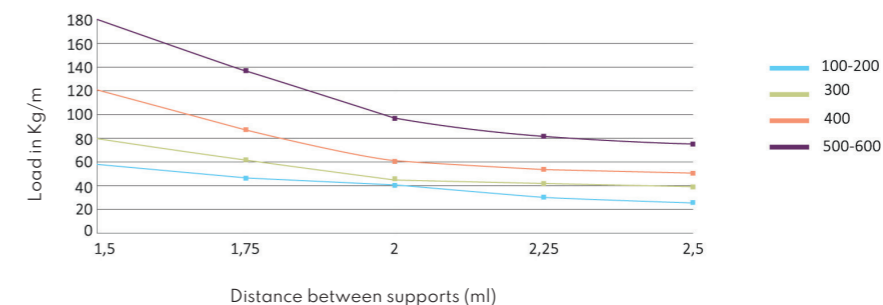
3 meters. Safe flanges : chamfered weft wires.  
Epoxy on request.  
Connectors are welded before surface treatment for a maximum quality.  
This assembly system allows a quick and rigid locking (click).

**OB2 AE**

	Pack. MI	Width MM	Max capacity (Kg/ML)	Kg/ML	EZ	HDG
OB2 50 AE*	6	50	6.30	0.63	815005	215005
OB2 100 AE		100	12.60	0.80	815010	215010
OB2 150 AE		150	18.90	0.92	815015	215015
OB2 200 AE		200	25.20	1.04	815020	215020
OB2 300 AE		300	37.80	1.56	815030	215030
OB2 400 AE		400	50.40	2.08	815040	215040
OB2 500 AE		500	63.00	2.46	815050	215050
OB2 600 AE		600	75.60	2.76	815060	215060

OB2 50 AE\* with wire in the bottom

Load curve of OB2 AE



Cable trays locking with ergots



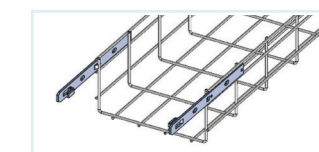
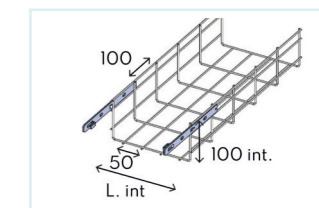
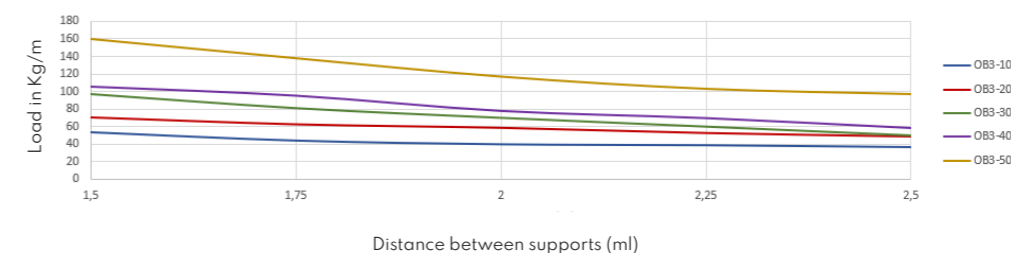
### Self-connected wire cable trays - Height 110

3 meters. Safe flanges : chamfered weft wires.  
Epoxy on request.  
Connectors are welded before surface treatment for a maximum quality.  
This assembly system allows a quick and rigid locking (click).

**OB3 AE**

	Pack. MI	Width MM	Max capacity (Kg/ML)	Kg/ML	EZ	HDG
OB3 100 AE	6	100	26.60	1.10	811010	211010
OB3 200 AE		200	53.20	2.00	811020	211020
OB3 300 AE		300	79.80	2.70	811030	211030
OB3 400 AE		400	106.40	3.10	811040	211040
OB3 500 AE		500	133.00	3.80	811050	211050
OB3 600 AE		600	159.60	3.92	811060	211060

Load curve of OB3 AE





## Wire cable trays

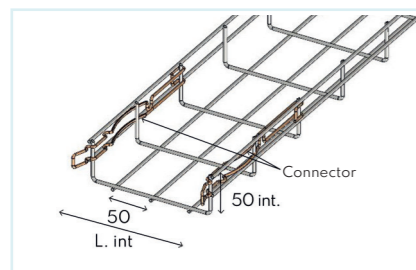
### Self-connected wire cable trays - Height 54



#### OB2C

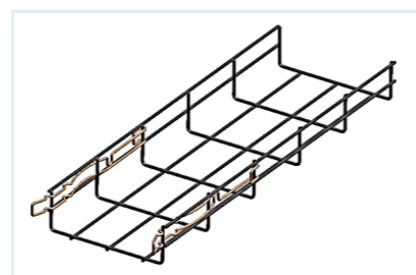
**3 meters.** Safe flanges : chamfered weft wires.  
Epoxy on request.  
Connectors are welded before surface treatment for a maximum quality.  
The number of connectors changes according to the width of wire cable trays.  
This assembly system allows a quick and rigid locking.

#### NEW : Wire ZnAl

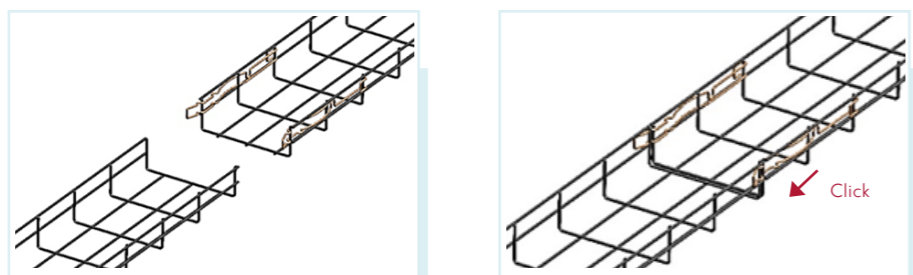


	Pack. ML	Max capacity (Kg/ML)	Nb of connectors	Width MM	Kg/ML	Zn Al
OB2C 50	6	6.30	2	50	0.51	915205
OB2C 100		12.60		100	0.75	915210
OB2C 150		18.90		150	0.87	915215
OB2C 200		25.20	3	200	1.00	915220
OB2C 300		37.80		300	1.51	915230
OB2C 400		50.40	4	400	2.04	915240
OB2C 500	63.00	500		2.41	915250	

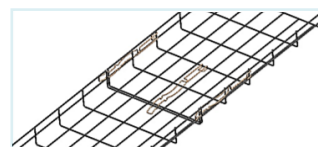
Pre-mounted connectors in factory



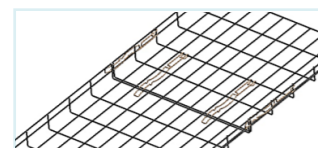
Quick : snap-on assembling with automatic locking



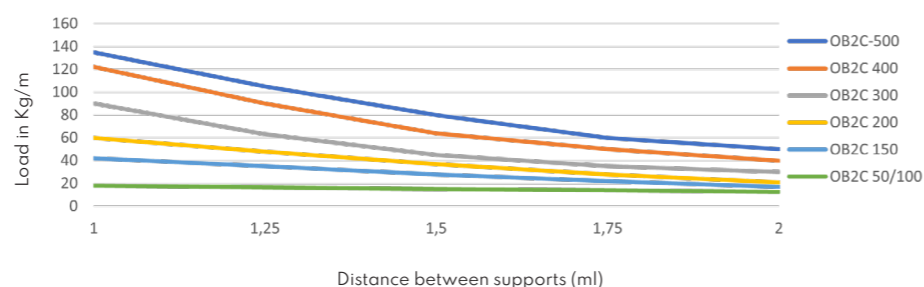
1 bottom wire connector for 300mm width



2 bottom wire connectors for 400 & 500mm widths



Load curve of OB2C



### Zinc-Aluminum, a more environmentally friendly coating

Adding a percentage of aluminum to the coating of Zinc ensures a better protection of steel against corrosion.



- ✓ Resistance in salty area : 850 hours,
- ✓ Reduce the carbon footprint,
- ✓ Healing effects on cuts,
- ✓ 40 % more resistant than hot dip galvanized.

## Wire cable trays accessories

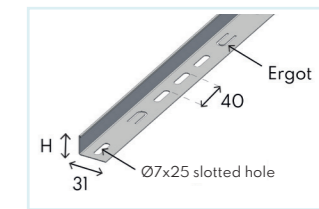
### Universal divider

**3 meters** - Crushed flanges: safe flanges  
Compatible with wire cable trays and perforated cable trays  
Possibility to weld the divider in factory

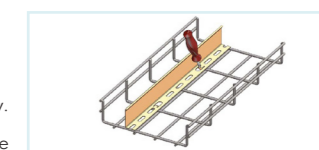
#### CHTU

	Pack. ML	Height MM	Kg/ML	SZ	HDG	SS316L
CHTU 1	6	24	0.30	100130	200130	
CHTU 2		48	0.43	100150	200150	600050*
CHTU 4		96	0.70	100196	200196	

600050\* : CHTF with lugs for OB2



Place the divider on the wire cable tray.  
Then fold the lugs against the bottom wire

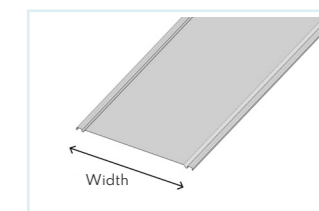


### Grooved covers

Thanks to grooves in the cover, assembly becomes faster and more rigid.  
Provide 4 CFLI clips per cover.

#### CPF

	Pack. ML	Width MM	Kg/ML	SZ	HDG	SS316L
CPF 50	6	70	0.36	147005	247005	647005
CPF 100		120	0.68	147010	247010	647010
CPF 150		170	0.91	147015	247015	647015
CPF 200		220	1.40	147020	247020	647020
CPF 300		320	2.00	147030	247030	647030
CPF 400		420	3.45	147040	247040	647040
CPF 500	520	4.25	147050	247050	647050	
CPF 600	620	5.00	147060	247060	-	

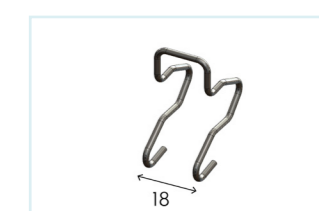
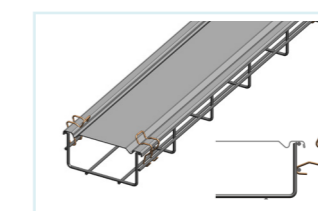


### Wire clips for cover

Safe clips : safe cables - Fixing accessory.  
The clip easily secures the grooved cover to the wire cable tray due to its shape.  
For an installation submitted to the wind, strapping is recommended.  
Provide 4 clips per grooved cover.

#### CLFI

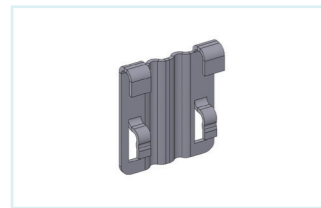
Attach the clip inside the wire cable tray, on the chain wire.  
Then fold the clip against the cover.



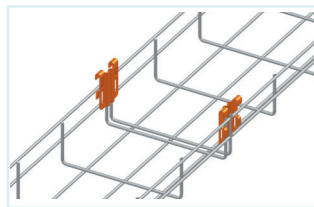
	Pack. P	Kg/%	PG	SS316L
CLFI	10	0.00	345000	645000

### ERPM fast connector

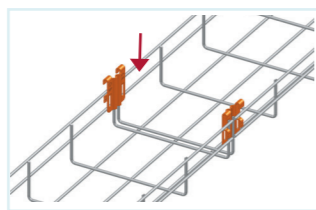
Compatible only from OB2-50 to OB2-200.



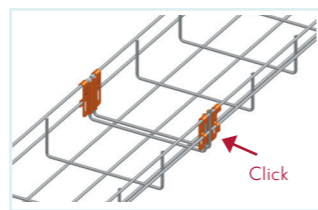
Place the connector between the two chain wires.



Press down to lower the connector.



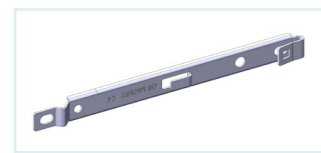
Fold down the two lugs to secure the assembling.



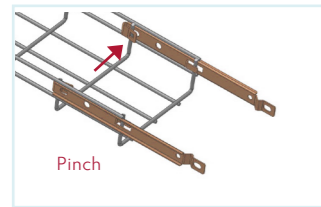
	Pack. P	Kg/P	SZ	HDG	SS316L
ERPM fast connector	20	0.02	850000	250000	650000

### ECR fast connector

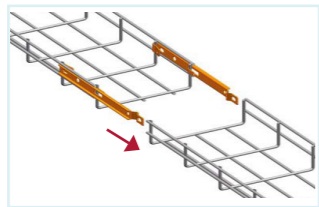
Compatible with OB1, OB2 and OB3.  
Its Ø9 hole is used to install a junction box.



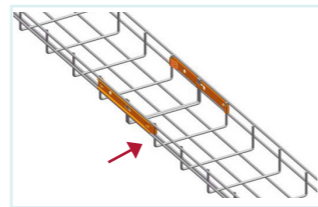
Place the connector outside of the wire cable tray and fold back the tabs in contact with the web wires.



Join the other wire cable tray and click it.



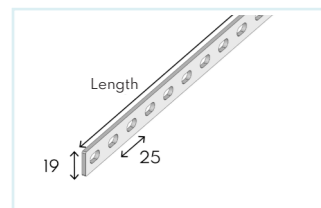
Then fold back the tabs in contact with the other wire cable tray with a screwdriver.



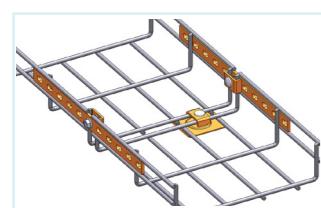
	Pack. P	Kg/P	EZ	HDG	SS316L
ECR connector	20	0.06	850001	250001	650001

### Bolt on connector

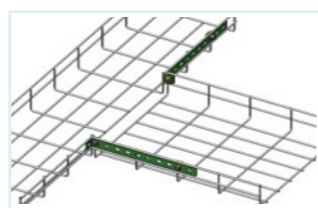
For connecting two wire cable trays to each other or for by-pass.



Example of assembly with OB20/ OB30 plates + 6x20 TRCC bolt.



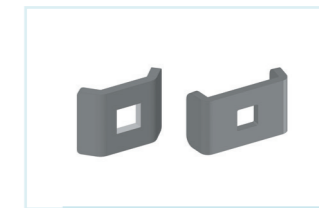
Example of by-pass installation with bolt on connectors.



	Pack. P	Length MM	Kg/P	EZ	HDG	SS316L
OB275 connector	20	275	0.10	-	-	650005
OB300 connector	20	300	0.11	850005	250005	-
OB1100 connector	10	1100	0.41	850006	250006	650006

### Clamp plates

OB20 / OB30 Clamp plate

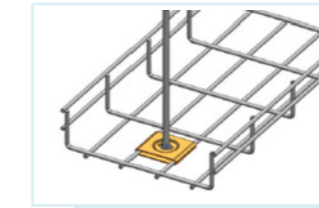


	Pack. P	Kg/%	EZ	HDG	SS316L
OB20 clamp plate	100	0.70	850002	250002	650002
OB30 clamp plate	100	1.34	850003	250003	650003
OB40 hold down clamp	50	0.04	850004	250004	650004
Clamp plate kit	50	0.04	850010	250010	650010

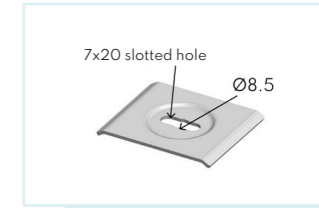
Clamp plate kit : 1 OB20 + 1 OB30 + 6x20 TRCC bolt.



Example of assembly with OB40 and threaded rod.



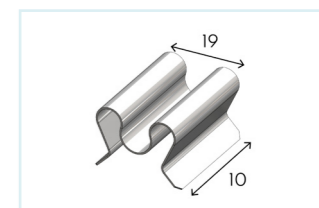
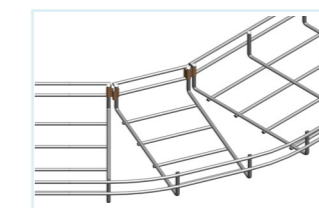
OB40 hold down clamp



### Elbow clips

To maintain various sections of wire cable trays together and to change of direction quickly.

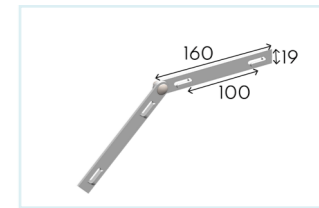
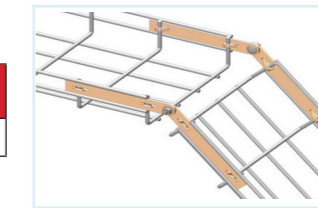
	Pack. P	Kg/%	SS301L
CLF elbow clips	in P	0.50	445007



### Vertical angle connector

Quick and more rigid for a change of plan.  
Pre-mounted delivery with 6x16 TRCC bolts.  
Without mesh wire cuttings.

Place the vertical angle connector outside, between the two wire cable trays, then fold down the tabs with a screwdriver.



	Pack. P	Kg/P	EZ	HDG
Wire vertical angle connector	10	0.15	850013	250013

### Bolts

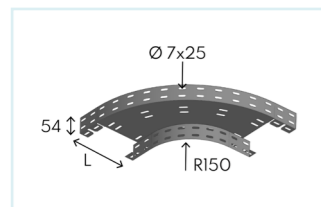
	Pack. P	Kg/%	EZ	HDG	SS316L
6x20 TRCC bolt	100	0.95	960620	260620	660620



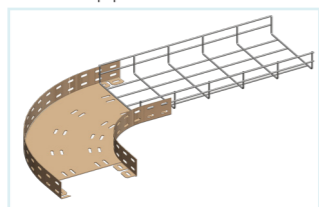
## Fitting elements

### 90° elbow - Height 54

Allows a change of direction.  
Stainless steel on request. Epoxy on option.  
Cover on request.



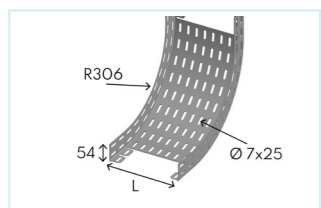
Provide four 6x20 TRCC bolt and OB20 clamp plate on each elbow end.



	Pack. P	Kg/P	SZ	HGD
90° elbow - 50	1	0.63	F-170105	F-270105
90° elbow - 100		0.85	F-170110	F-270110
90° elbow - 150		1.00	F-170115	F-270115
90° elbow - 200		1.25	F-170120	F-270120
90° elbow - 300		1.40	F-170130	F-270130
90° elbow - 400		2.51	F-170140	F-270140
90° elbow - 500		3.35	F-170150	F-270150

### 90° VI inside elbow - Height 54

Allows a change of plan.  
Stainless steel on request. Epoxy on option.  
Cover on request.



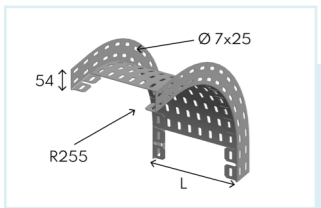
Provide four 6x20 TRCC bolt and OB20 plate on each elbow end.



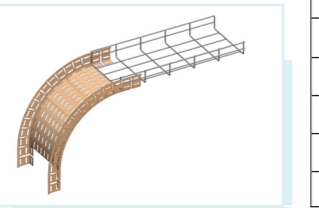
	Pack. P	Kg/P	SZ	HGD
90° VI inside elbow - 50	1	0.88	F-170105-I	F-270105-I
90° VI inside elbow - 100		0.91	F-170110-I	F-270110-I
90° VI inside elbow - 150		1.15	F-170115-I	F-270115-I
90° VI inside elbow - 200		1.32	F-170120-I	F-270120-I
90° VI inside elbow - 300		2.30	F-170130-I	F-270130-I
90° VI inside elbow - 400		2.15	F-170140-I	F-270140-I
90° VI inside elbow - 500		2.52	F-170150-I	F-270150-I

### 90° VE outside elbow - Height 54

Allows a change of plan.  
Stainless steel on request. Epoxy on option.  
Cover on request.



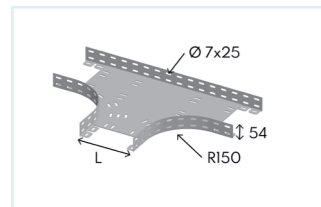
Provide four 6x20 TRCC bolt and OB20 plate on each elbow end.



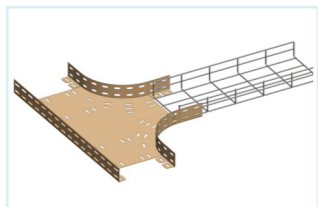
	Pack. P	Kg/P	SZ	HGD
90° VE outside elbow - 50	1	0.62	F-170105-E	F-270105-E
90° VE outside elbow - 100		0.91	F-170110-E	F-270110-E
90° VE outside elbow - 150		1.15	F-170115-E	F-270115-E
90° VE outside elbow - 200		1.32	F-170120-E	F-270120-E
90° VE outside elbow - 300		1.45	F-170130-E	F-270130-E
90° VE outside elbow - 400		2.15	F-170140-E	F-270140-E
90° VE outside elbow - 500		2.52	F-170150-E	F-270150-E

### Equal Tee - Height 54

Allows a change of direction.  
Stainless steel on request. Epoxy on option.  
Cover on request.



Provide four 6x20 TRCC bolt and OB20 plate on each elbow end.



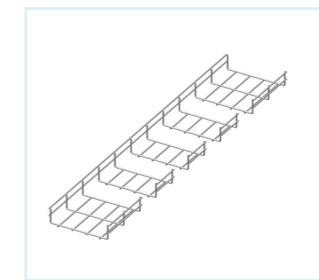
	Pack. P	Kg/P	SZ	HGD
T égal 50	1	1.02	F-172105	F-272105
T égal 100		1.25	F-172110	F-272110
T égal 150		1.60	F-172115	F-272115
T égal 200		1.82	F-172120	F-272120
T égal 300		2.40	F-172130	F-272130
T égal 400		3.65	F-172140	F-272140
T égal 500		4.72	F-172150	F-272150

## Fittings elements

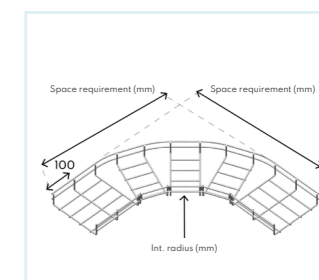
### Cutting plan for fitting elements

#### Elbow 90°

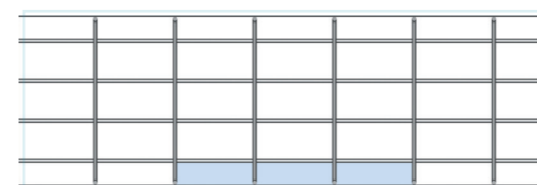
Cut-out meshes



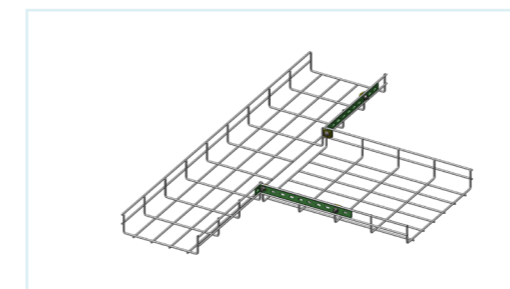
Cutting for 90° elbow		
Width of wire cable tray	Number of meshes to be cut (1 of 2)	Internal radius (mm)
100	3	220
150	4	280
200	4	280
300	6	431
400	8	460
500	9	700
600	11	770



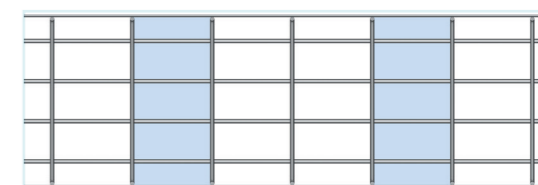
### Cutting Equal Tee



Cutting meshes



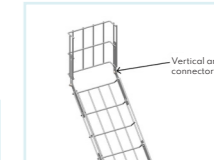
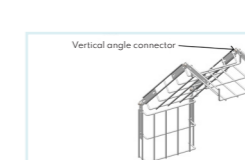
### Cutting VE or VI



Cutting meshes

VE elbow

VI elbow



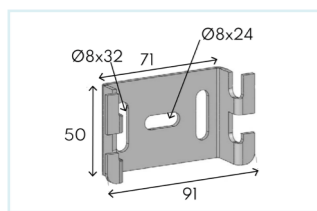
#### Cutting for Equal Tee

Width of wire cable tray	Number of meshes to be cut
50	1
100	1
150	2
200	2
300	3
400	4
500	5
600	6

## Support

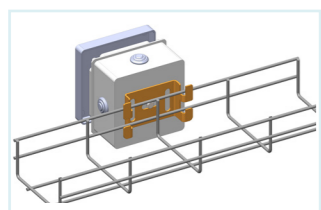
### Support suspension

Compatible with OB2 & OB3 wire cable trays

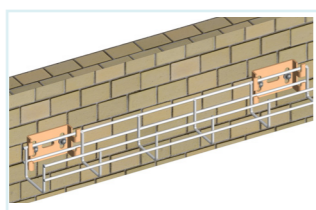


	Pack. P	Load da/N	Kg/P	SZ	HDG	SS316L
OB 50L	25	100	0.07	150011	250011	650011

Assembling on a junction box



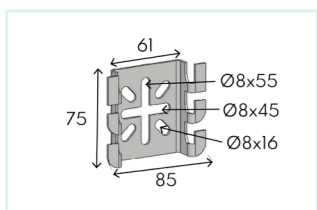
Assembling on a wall



Fixing OB 50L between two chain wires, then fold down the two tabs to secure the assembling.

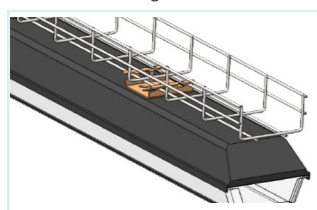
### Universal fastening

Compatible with wire cable tray higher to width 50mm

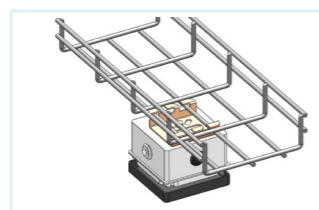


	Pack. P	Load da/N	Kg/P	SZ	HDG	SS316L
OB 50 XL	25	100	0.09	150012	250012	650012

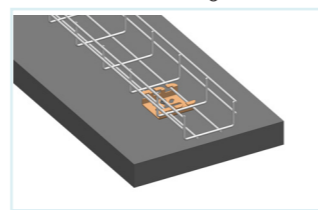
Example of assembling for fixing a light.



Example of assembling with junction box.



Example of assembling for floor or vertical fixing.



Fix OB 50XL to wire cable trays, then fold down the two tabs to secure the assembly.

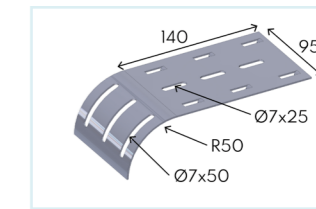
[Find all our supports solutions p.59](#)

## Support accessories

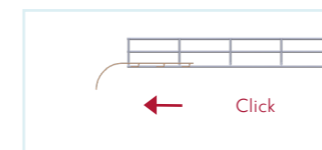
### Universal cable dropout plate

Compatible with wire and perforated cable trays

	Pack. P	Kg/P	Magnelis®
Cable dropout plate	10	0.30	M-150030



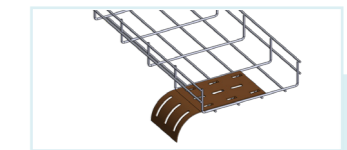
Place the dropout plate on the wire cable trays. Slide so that the tabs catch on the bottom wires. Fold down the tabs to secure.



Assembling with dropout plate allowing a change of plan.



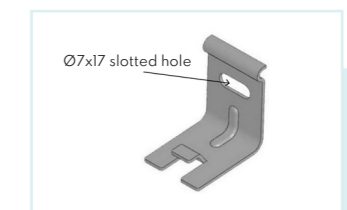
Assembling allowing a change of direction.



### Light bracket

Only for OBI-50

	Pack. P	Load da/N	Kg/P	SZ	HDG	SS316L
OBI-50 light bracket	50	20	0.02	150005	250015	650015



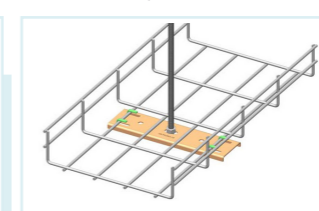
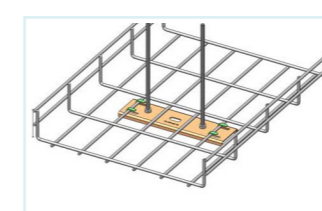
### Hanging fastener

Hanging fastener from T50 to 150

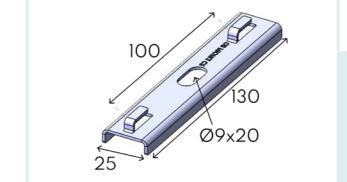
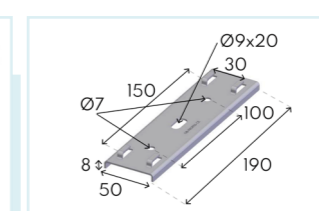
	Pack. P	Load da/N	Kg/P	SZ	HDG
T50 à 150*	25	25	0.09	150105	250105
T200 à 300		20	0.19	150110	250110

\* Not compatible with the OB2-50 AE wire cable trays.

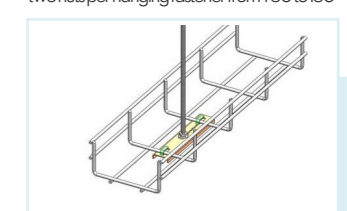
Assembling on hanging fastener from T200 to 300 with one M8 threaded rod or two M6 threaded rods and two nuts per rod.



Hanging fastener from T200 to 300

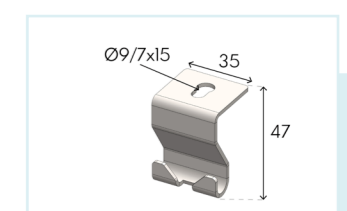
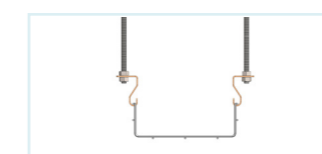
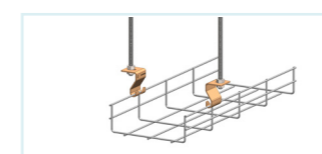


Assembling with M6 or M8 threaded rod and two nuts per hanging fastener from T50 to 150



### Hanging clip

	Pack. P	Load da/N	Kg/P	SZ	HDG	SS316L
OB60 hanging clip	50	100	0.04	150008	250008	650008

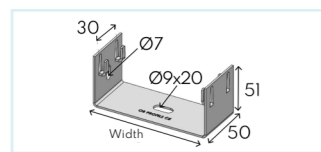


Place the OB60 hanging clip on the side chain wire of the cable tray. Insert the M6 or M8 threaded rod into the hanging clip hole and lock with M6 or M8 flange nuts per hanging clip.

## Supporting

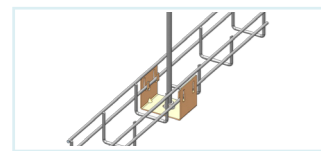
### Cradles

Only compatible with OB2 50 and OB2 100 wire cable trays.  
The side hole allows attachment of a junction box.

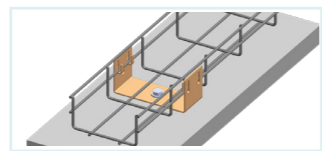


	Pack. P	Width MM	Load da/N	Kg/P	SZ	HDG	SS316L
Cradles L50	25	69	12	0.10	150051	250051	650051
Cradles L100		116	18	0.16	150052	250052	650052

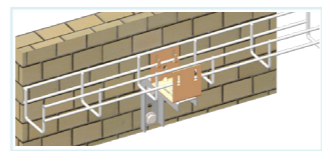
Ceiling assembling with Ø8 threaded rod and Ø8 flange nuts.



Floor assembling with 8x20 HM screw and Ø8 flange nuts.

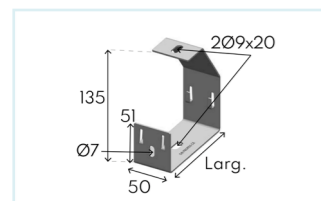


Wall assembling on CLI bracket with 6x12 TRCC bolt.



### Wire hanger

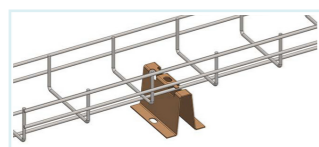
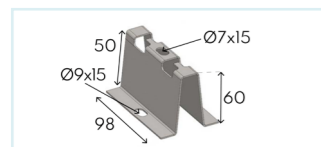
Only compatible with OB2 50 and OB2 100 wire cable trays.  
The side hole allows attachment of a junction box. The hole at the bottom can be used to hang a light fitting.



	Pack. P	Width MM	Load da/N	Kg/P	SZ	HDG	SS316L
L50 wire hanger*	25	69	20	0.15	150050	250050	650050
L100 wire hanger	10	116	25	0.40	150100	250100	-

### Wire stand off bracket

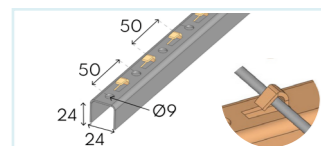
Allows the wire cable tray to be raised by 50mm.  
Its notches help for assembling without tool.



	Cond. en P	Haut. MM	Kg/P	SZ	SS304L
Stand off bracket	10	50	0.18	150800	450800

### U24 lug channel

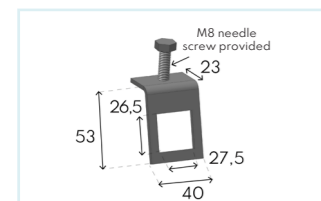
Provide two M6 or M8 threaded rods and two M6 or M8 flange nuts by threaded rod.  
Fold down the 2 tabs to secure the assembling.



	Pack. ML	Height MM	Width MM	Length ML	Kg/ML	SZ
U24 lug channel	6	24	24	3	0.86	101249

### Light clamp

Allows a channel to be clamped to a metal frame with a needle screw.



	Pack. in P	Kg/P	SZ
Light clamp	50	0.10	750800

## Accessories

### Wire cropper

Allows a flush cut of the wire

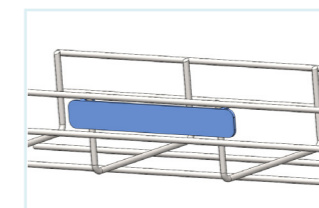


	Pack. P	Kg/P	Wire cropper
Wire cropper - 450	1	2.70	900100

### Plastic labels

Customization of labels with optional marking

	Pack. P	Kg/Sac	Plastic
ETFG - Grey	50	0.20	950001
ETFV - Green			950002
ETFO - Orange			950003
ETFJ - Yellow			950005
ETFB - Blue			950006



### Sprays

	Pack. P	Spray
Cold galvanized spray	1	940000
Color spray	6	94 xxxx *

To choose the color of the spray : \* code 94 + RAL (p.93)  
Put the letter : M (Mat) or B (Glossy) at the end

Ex: Ral 9010 Réf: 949010M

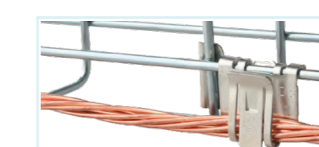


### Wire earth connection

Complying with NFC 15-100 standard.  
OB FIX is a clip for earth cable from 16 to 35 sqmm diameter.

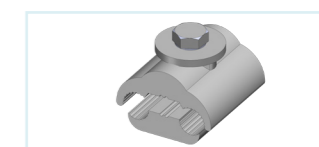
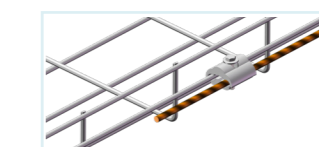
#### OB Fix

	Pack. P	Kg/P	Tin-plated copper steel
OB Fix	10	0.02	700008



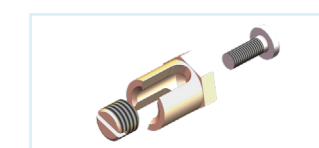
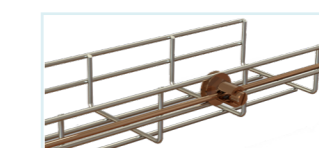
The wire mesh earth clamp allows clamping bare copper along the wire cable tray for earth cable from 16 to 35 sqmm diameter.

	Pack. P	Kg/P	Aluminum
35 sqmm wire earth clamp	10	0.03	700004



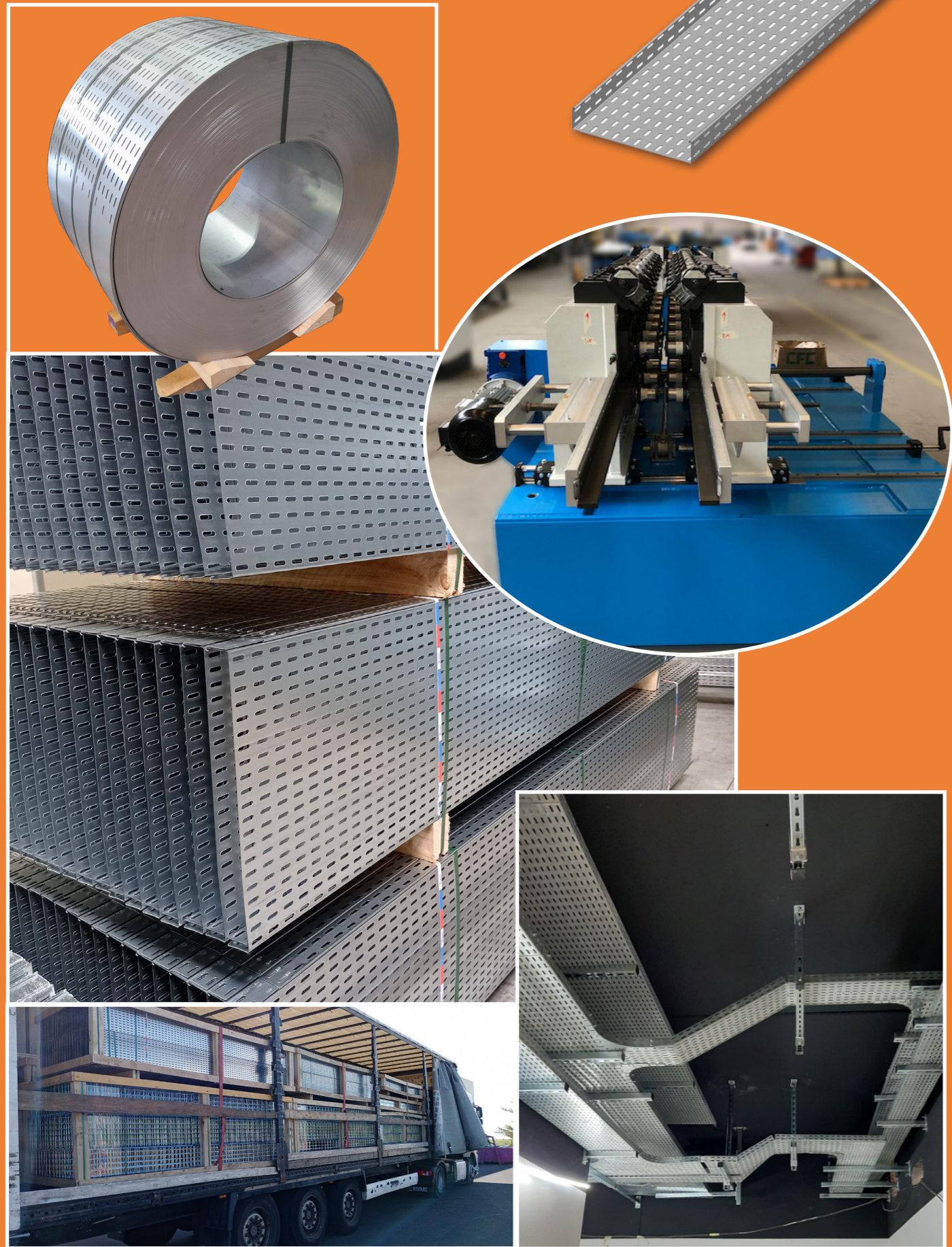
Wire earth terminal kit including 1 brass earth terminal and one 6x16 TRL brass screw.  
Compatible with earth cable from 25 to 60 sqmm diameter.  
Add 2 washers for a kit.

	Pack. P	Kg/P	Brass
25 sqmm wire earth terminal kit	10	0.03	701625
35 sqmm wire earth terminal kit		0.04	701635
60 sqmm wire earth terminal kit		0.05	701660
Rondelle bimétal Alu/Cuivre		0.50/%	700002

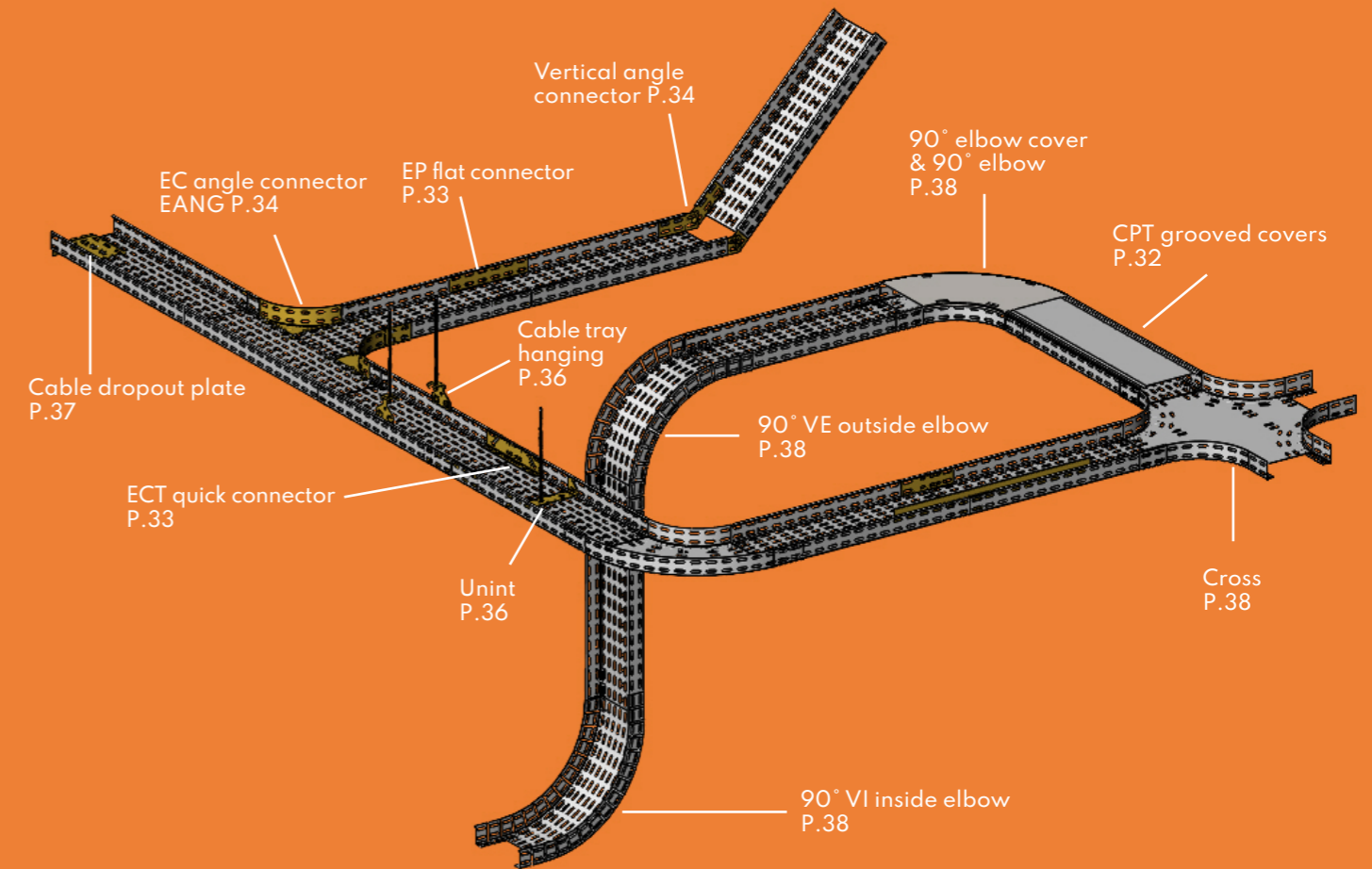


# Perforated cable trays

Manufacturing from A to Z



# Perforated cable trays



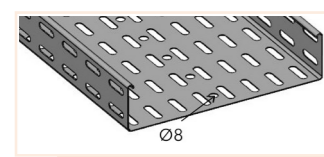
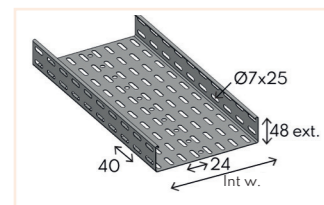
The essentials in **RED** and **BLACK** : Products available on stock  
References in **GREEN** : Products on request.

## Perforated cable trays

### Perforated cable trays - Height 48

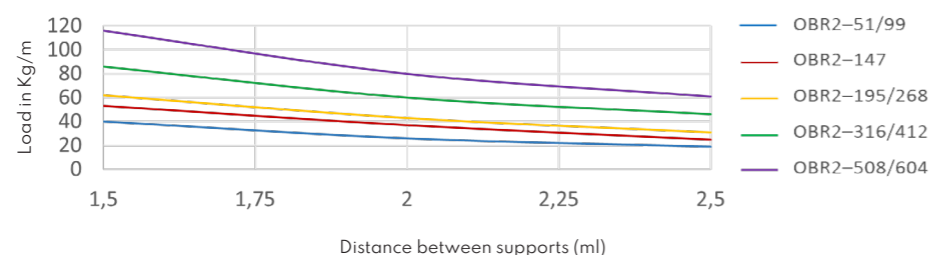
**OBR<sub>2</sub>**

3 meters. Safe flanges : return flanges.  
SS304L, Aluminum, Magnelis, Epoxy on request.  
From OBR2-51 to OBR2-195 : centered perforation (Ø8) to allow centered suspension by threaded rod.  
External connecting with EP2 or ECT2.



	Pack.ML	Width MM	Kg/ML	SZ	HDG	SS316L
OBR2 51	6	51	0.62	160050	260050	660050
OBR2 75		75	0.72	160075	260075	660075
OBR2 99		99	0.81	160100	260100	660100
OBR2 147		147	1.25	160150	260150	660150
OBR2 195		195	1.48	160200	260200	660200
OBR2 268		268	2.44	160268	260268	-
OBR2 316		316	2.76	160300	260300	660300
OBR2 412		412	4.08	160400	260400	660400
OBR2 508		508	4.80	160500	260500	660500
OBR2 604		604	5.56	160600	260600	660600

Load curve OBR2 (except stainless steel)

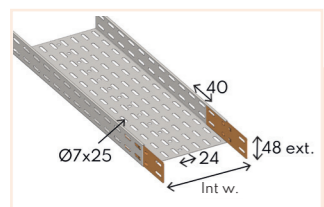


### Self-connected tertiary perforated cable trays - Height 48

**OBR<sub>2</sub> T**

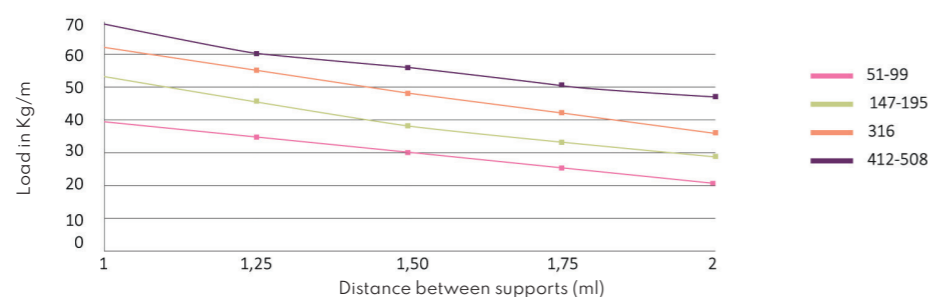
The range is designed to optimize all low load installations  
3 meters. Safe flanges : return flanges  
Epoxy on request.  
From OBR2-51T to OBR2-195T : centered perforation (Ø8) to allow centered suspension by threaded rod.

Pre-assembled connectors in factory



	Pack.ML	Width MM	Kg/ML	SZ
OBR2 51 T	6	51	0.60	T-160051
OBR2 99 T		99	0.79	T-160101
OBR2 147 T		147	1.16	T-160151
OBR2 195 T		195	1.35	T-160201
OBR2 316 T		316	2.17	T-160301
OBR2 412 T		412	3.49	T-160401
OBR2 508 T		508	4.17	T-160501

Load curve of OBR2T (except stainless steel)



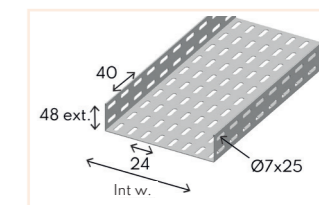
## Perforated cable trays

### Reinforced perforated cable trays - Height 48

3 meters. Safe flanges : crushed flanges. Thickness 1.5 mm  
Other widths on request.  
Only external connecting with EC2.

**OBR<sub>2</sub> R15**

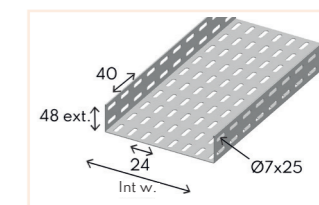
	Pack.ML	Width MM	Kg/ML	SZ	HDG
OBR2 51 -15	6	51	1.58	160050-15	260050-15
OBR2 99 -15		99	2.08	160100-15	260100-15
OBR2 147 -15		147	2.50	160150-15	260150-15
OBR2 195 -15		195	2.96	160200-15	260200-15
OBR2 316 -15		316	4.21	160300-15	260300-15
OBR2 412 -15		412	5.07	160400-15	260400-15
OBR2 508 -15		508	6.10	160500-15	260500-15



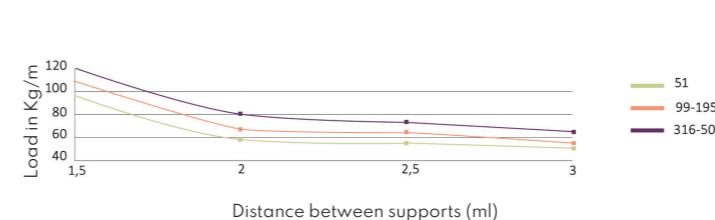
3 meters. Safe flanges : crushed flanges. Thickness 2.0 mm  
Other widths on request.  
Only externally connecting with EC2.

**OBR<sub>2</sub> R20**

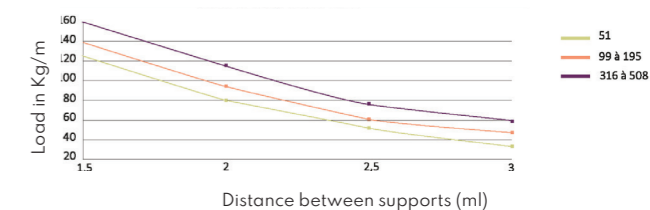
	Pack.ML	Width MM	Kg/ML	SZ	HDG
OBR2 51 -20	6	51	1.91	160050-20	260050-20
OBR2 99 -20		99	2.54	160100-20	260100-20
OBR2 147 -20		147	3.16	160150-20	260150-20
OBR2 195 -20		195	3.79	160200-20	260200-20
OBR2 316 -20		316	5.37	160300-20	260300-20
OBR2 412 -20		412	6.62	160400-20	260400-20
OBR2 508 -20		508	8.19	160500-20	260500-20



Load curve OBR2R -15/10



Load curve OBR2R -20/10

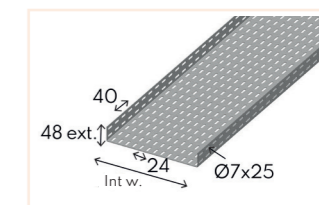


### Perforated cable trays straight flange - Height 48

3 meters. Straight flanges.  
I304L, I316L, Aluminum and Epoxy on request.  
Only external connecting with EC2.

**OBD<sub>2</sub>**

	Pack.ML	Width MM	Kg/ML	SZ	HDG
OBD2 51	6	51	0.95	148051	248051
OBD2 75		75	1.10	148075	248075
OBD2 99		99	1.25	148099	248099
OBD2 147		147	1.95	148147	248147
OBD2 195		195	2.35	148195	248195
OBD2 316		316	4.00	148316	248316
OBD2 412		412	5.75	148412	248412
OBD2 508		508	7.82	148508	248508

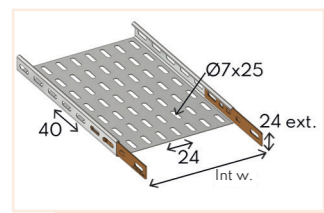


## Perforated cable trays

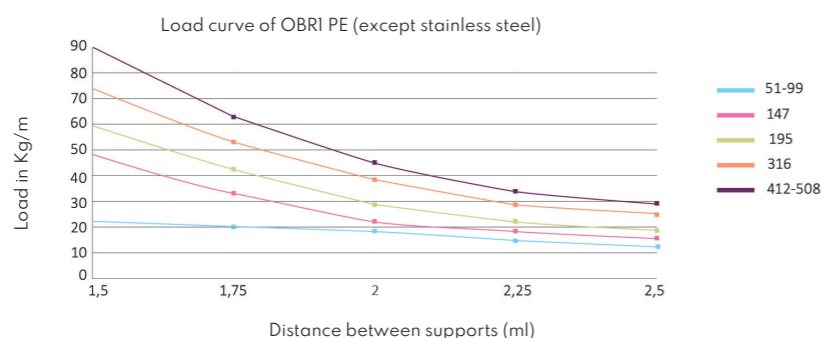
### Pre-connected perforated cable trays - Height 24

#### OBR1 PE

**3 meters.** Safe flanges : return flanges  
 SS304L, SS316L, Aluminum, Magnelis, Epoxy on request.  
 \* Stainless Steel items are delivered not pre-connected.  
 Connectors pre-assembled in factory by stapling.  
 From OBR1-51 PE to OBR1-195 PE : centered perforation (Ø8) to allow centered suspension by threaded rod.



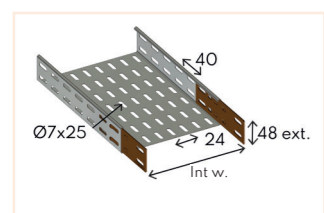
	Pack. ML	Width MM	Kg/ML	SZ	HDG
OBR1 51 PE	6	51	0.50	135051	235051
OBR1 99 PE		99	0.67	135101	235101
OBR1 147 PE		147	0.87	135151	235151
OBR1 195 PE		195	1.36	135201	235201
OBR1 316 PE		316	2.46	135301	235301
OBR1 412 PE		412	3.87	135401	235401
OBR1 508 PE		508	5.70	135501	235501



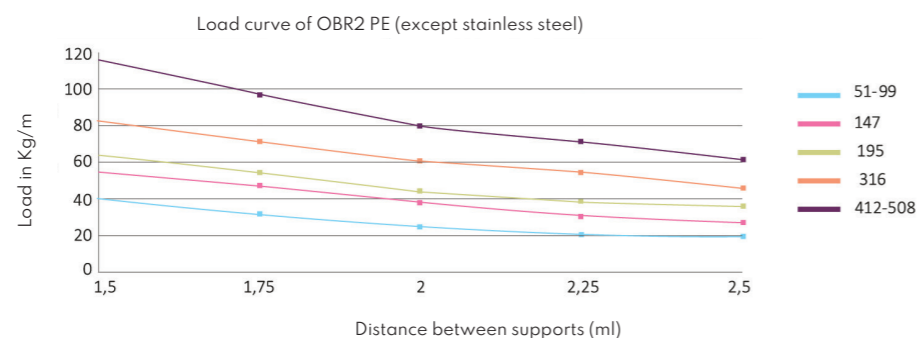
### Pre-connected perforated cable trays - Height 48

#### OBR2 PE

**3 meters.** Safe flange : return flanges  
 SS304L, SS316L, Aluminum, Magnelis, Epoxy on request.  
 \* Stainless Steel items are delivered not pre-connected.  
 Connectors pre-assembled in factory by stapling.  
 From OBR2-51 PE to OBR2-195 PE : centered perforation (Ø8) to allow centered suspension by threaded rod.



	Pack. ML	Width MM	Kg/ML	SZ	HDG	Magnelis®
OBR2 51 PE	6	51	0.73	160051	260051	M-160051
OBR2 99 PE		99	0.85	160101	260101	M-160101
OBR2 147 PE		147	1.30	160151	260151	M-160151
OBR2 195 PE		195	1.64	160201	260201	M-160201
OBR2 316 PE		316	2.81	160301	260301	M-160301
OBR2 412 PE		412	4.20	160401	260401	M-160401
OBR2 508 PE		508	5.06	160501	260501	M-160501

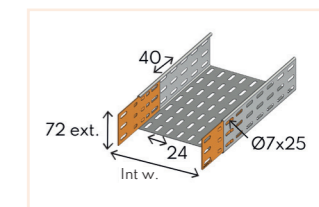


## Perforated cable trays

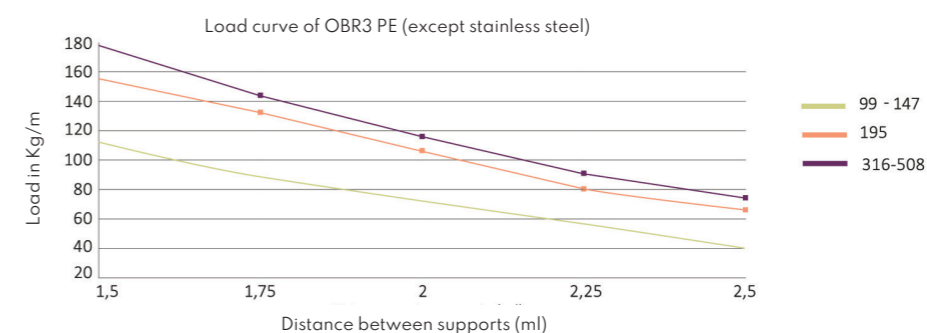
### Pre-connected perforated cable trays - Height 72

#### OBR3 PE

**3 meters.** Safe flanges : return flanges.  
 SS304L, SS316L, Aluminum, Magnelis, Epoxy on request.  
 \* Stainless steel items are delivered not pre-connected.  
 Connectors pre-assembled in factory by stapling. Assembling on bracket or channel.



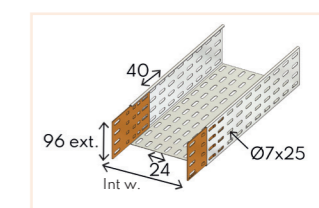
	Pack. ML	Width MM	Kg/ML	SZ	HDG
OBR3 99 PE	6	99	1.48	185101	285101
OBR3 147 PE		147	1.73	185151	285151
OBR3 195 PE		195	2.00	185201	285201
OBR3 316 PE		316	3.22	185301	285301
OBR3 412 PE		412	4.58	185401	285401
OBR3 508 PE		508	6.09	185501	285501



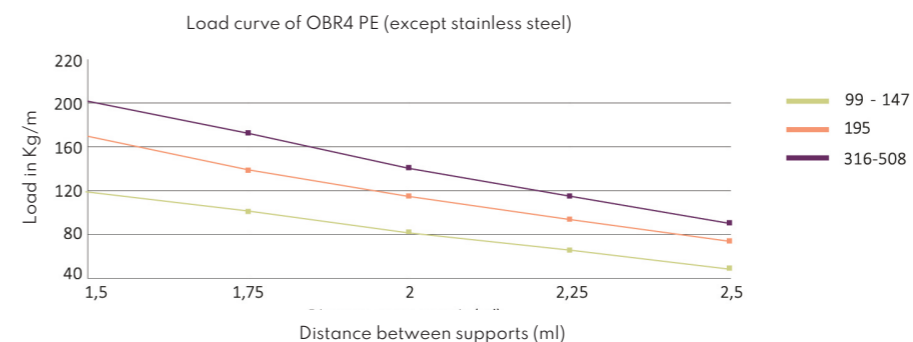
### Pre-connected perforated cable trays - Height 96

#### OBR4 PE

**3 meters.** Safe flanges : return flanges.  
 SS304L, SS316L, Aluminum, Magnelis, Epoxy on request.  
 \* Stainless steel items are delivered not pre-connected.  
 Connectors pre-assembled in factory by stapling. Assembling on bracket or channel.



	Pack. ML	Width MM	Kg/ML	SZ	HDG
OBR4 99 PE	6	99	1.73	196101	296101
OBR4 147 PE		147	2.00	196151	296151
OBR4 195 PE		195	2.20	196201	296201
OBR4 316 PE		316	4.45	196301	296301
OBR4 412 PE		412	6.20	196401	296401
OBR4 508 PE		508	6.60	196501	296501

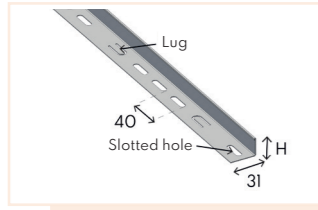




## Perforated cable tray accessories

### Universal angle divider

**CHTU** 3 meters. Crushed flanges : safe flanges. Compatible with wire and perforated cable trays. Possibility to weld the divider in factory. Provide one 6x12 TRCC bolt per meter.

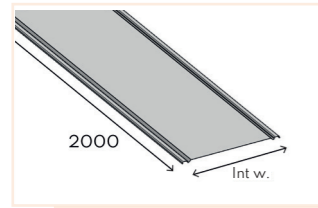


	Pack. ML	Height MM	Kg/ML	SZ	HDG	SS316L
CHTU1	6	24	0.30	100I30	200I30	
CHTU2		48	0.43	100I50	200I50	600048*
CHTU3		72	0.56	100I75	200I75	600072*
CHTU4		96	0.70	100I96	200I96	

CHTT2 : 600048\* perforated angle divider HT48 for OBR2 cable trays in SS316L  
CHTT3 : 600072\* perforated angle divider HT72 for OBR3 cable trays in SS316L

### Grooved covers

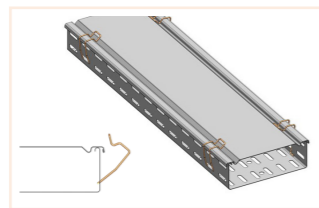
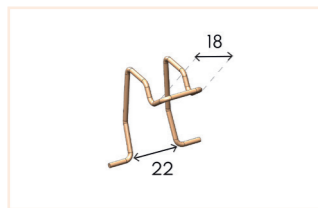
**CPT** 2 meters. SS304L, Aluminum, Epoxy on request. The groove in the cover makes assembly faster and more rigid. 4 CLCT clips are required per cover.



	Pack. ML	Height MM	Kg/ML	SZ	HDG	SS316L	Magnelis®
CPT 51	6	51	0.37	145052	245052	645052	M-145052
CPT 75		75	0.48	145076	245076	645076	-
CPT 99		99	0.59	145102	245102	645102	M-145102
CPT 147		147	0.82	145152	245152	645152	M-145152
CPT 195		195	1.02	145202	245202	645202	M-145202
CPT 268		268	1.88	145269	-	645269	M-145269
CPT 316		316	2.05	145302	245302	645302	M-145302
CPT 412		412	3.55	145402	245402	645402	M-145402
CPT 508		508	4.32	145502	245502	645502	M-145502
CPT 604		604	5.09	145602	245602	645602	M-145602

### Cable tray clips

**CLCT** Secure clips : secure cable - Fixing accessory. Provide 4 CLCT clips per grooved cover of 2 meters.



	Pack. P	Kg/P	PG	SS316L
CLCT	10	0.01	356048*	656048

\*Use for perforated cable trays in SZ, HDG and Magnelis®

## Connecting components

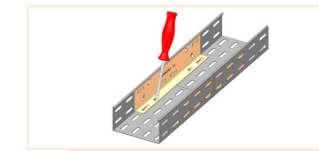
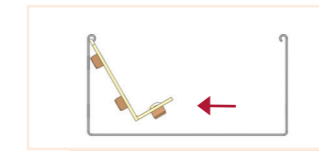
### Quick connector

Only compatible with OBR2 perforated cable trays, height 48. Assembly the connectors inside the perforated cable trays. Electrical continuity according to IEC 61537 standards.

	Pack. P	Height MM	Kg/P	SZ	HDG	SS316L	Magnelis®
ECT 2	20	45	0.17	160001	260001	660001	M-160001

Install the connector on both sections, inside the return flanges.

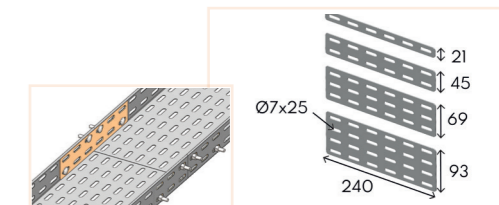
Push on the connectors, and fold down the 2 legs with a screwdriver for immobilization.



### Flat connectors

Assembly the connectors inside the perforated cable trays. Provide four 6x12 TRCC bolts per connector.

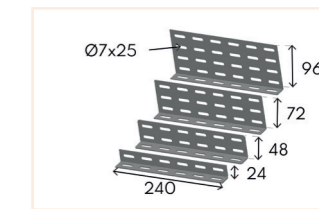
	Pack. P	Height MM	Kg/P	SZ	HDG	SS316L
EP 1	25	21	0.05	135000	235000	635000
EP 2		45	0.13	160000	260000	660000
EP 3		69	0.18	185000	285000	685000
EP 4		93	0.31	196000	296000	696000



### Angle connectors

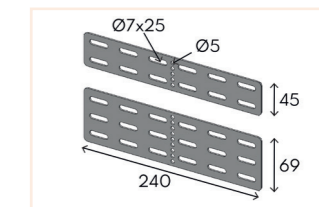
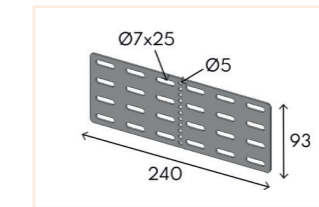
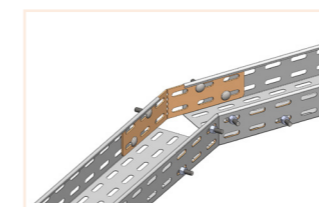
SS316L, Aluminum on request. Assembly the connectors outside the perforated cable trays. Provide four 6x12 TRCC bolts per connector.

	Pack. P	Height MM	Kg/P	SZ	HDG	SS316L
EC 1	25	24	0.13	151248	251424	651424
EC 2		48	0.17	151488	251488	651488
EC 3		72	0.25	151472	251472	651472
EC 4		96	0.30	151496	251496	-



### Horizontal angle connector

SS316L, Aluminum on request. Provide four 6x12 TRCC bolts per connector.

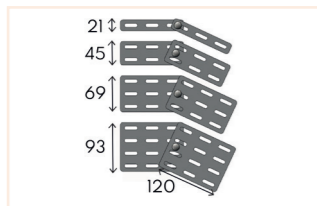


	Pack. P	Height MM	Kg/P	SZ	HDG	Magnelis®
ED 2	25	45	0.10	160011	260011	M-160011
ED 3		69	0.17	185011	285011	-
ED 4		93	0.21	196011	296011	-

## Connecting accessories

### Vertical angle connector

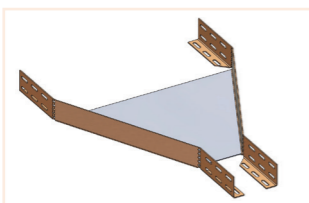
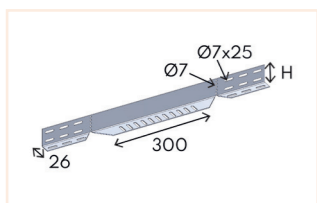
Allows plans change quickly.  
The vertical angle connector is provided with a central bolt.  
Provide four 6x12 TRCC bolts per vertical angle connector.



	Pack. ML	Height MM	Kg/ML	SZ	HDG	SS316L	Magnelis®
CP1	10	21	0.10	190235	290235	-	-
CP2		45	0.11	190260	290260	690260	M-190260
CP3		69	0.18	190285	290285	-	-
CP4		93	0.44	190296	290296	-	-

### Cable tray reducer

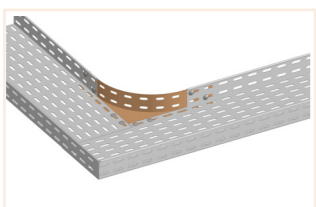
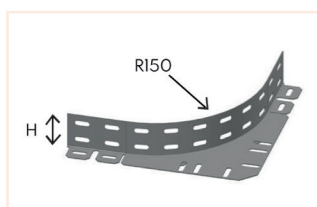
Allows customized perforated cable tray reduction.



	Pack. ML	Kg/P	SZ	HDG
Reducer - HT24	2	0.45	195224	295224
Reducer - HT48		0.50	195248	295248
Reducer - HT72		0.66	195272	295272
Reducer - HT96		0.83	195296	295296

### Corner connector

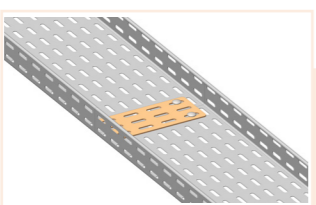
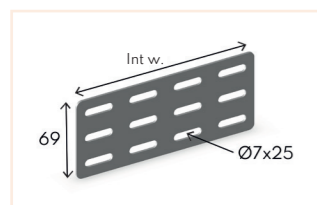
Magnelis®, SS316L, Aluminum on request.  
Provide six 6x12 TRCC bolts per corner connector.



	Pack. ML	Height MM	Kg/ML	SZ	HDG
EANG 1	10	24	0.24	170024	270024
EANG 2		48	0.33	170048	270048
EANG 3		72	0.40	170072	270072
EANG 4		96	0.49	170096	270096

### Bottom connector

Use to reinforce the bottom of perforated cable trays.  
Other dimensions on request.  
SS316L, SS304L, Aluminum on request.  
Provide four 6x12 TRCC bolts per bottom connector.



	Pack. ML	Height MM	Kg/ML	SZ	HDG
RENT 195	10	160	0.14	161195	261195
RENT 316		280	0.23	161316	261316
RENT 412		400	0.33	161412	261412
RENT 508		480	0.40	161508	261508

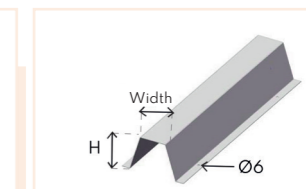
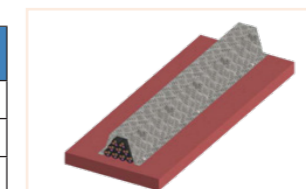
## Profiles

### Protecting trunking

3 meters.  
Used for protection of cables.  
HDG, Magnelis®, Stainless steel on request.

OGP

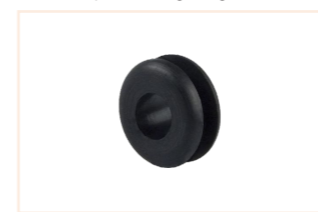
	Pack. ML	Height MM	Width MM	Kg/ML	SZ
OGP 30	6	37	30	1.14	199030
OGP 60		64	47	1.75	199060
OGP 90		100	73	2.53	199090



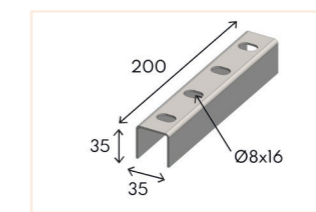
### Lighting channel

6 meters.  
Epoxy on request.  
Allows the suspension of lighting.  
Connecting with channel sleeve  
Provide four 8x15 TRCC.

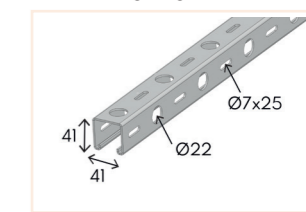
Wire pass for lighting channel



Channel sleeve



Lighting channel

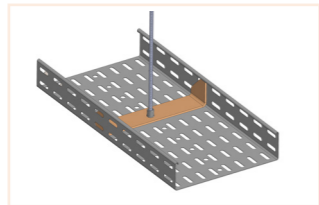
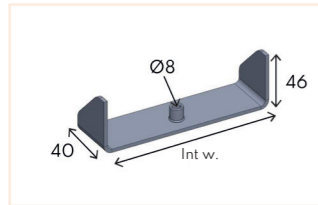


	Pack. ML	Kg/ML	SZ	PVC
4x41 lighting channel - L6M	12	1.42	120006	-
4x41 channel sleeve	10 P	0.28/P	120010	-
4x41 wire pass lighting channel	10 P	0.01/P	-	994200

## Ceiling hanger

### Hanging bracket

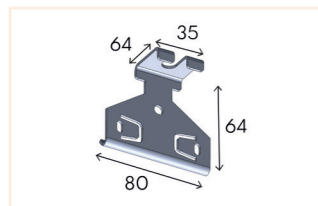
Only compatible with OBR2 perforated cable trays.  
HDG on request.  
Factory crimped nut in the centre allows suspension by M8 threaded rod.  
This assembling, inside the perforated cable tray is not visible.



	Pack. P	Kg/P	SZ
Unint 99	5	0.18	150610
Unint 147		0.24	150615
Unint 195		0.28	150620
Unint 316		0.36	150630

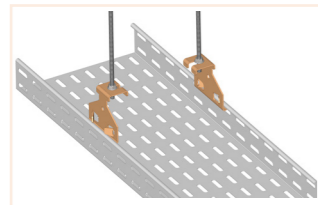
### Cable tray hanging clip

Provide 1 threaded rod and 2 flanges nuts per hanger

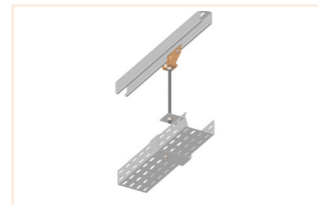


	Pack. P	Kg/P	SZ
Hanging clip AST	50	0.06	150400

Example 1 : the hanger is inserted into the return flange of the perforated cable trays. Fold down the 2 legs to secure the assembling.



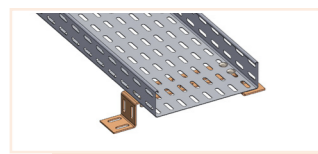
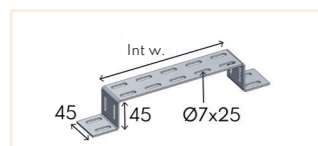
Example 2 : the hanger is inserted into the 41 channel. Fix the M6 or M8 threaded rod to the hole of the hanger clip with two M6 or M8 flange nuts to support the assembling.



### Cable tray stand off bracket

#### Stand off bracket

Allows cable trays to be raised by 50mm.  
Provide two 6x20 TRCC bolts per bracket.



	Pack. P	Width MM	Kg/P	SZ	HDG
Stand off bracket - 51	10	85	0.17	104905	204905
Stand off bracket - 99		125	0.20	104910	204910
Stand off bracket - 147		165	0.19	104915	204915
Stand off bracket - 195		205	0.21	104920	204920
Stand off bracket - 316		325	0.28	104930	204930
Stand off bracket - 412		445	0.32	104940	204940
Stand off bracket - 508		525	0.40	104950	204950

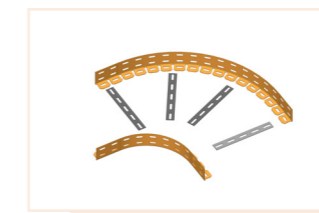
## Fitting items

### Curved profile

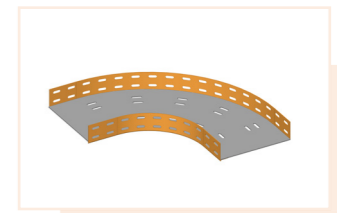
**PCD**  
3 meters.  
Allows change of direction.  
Assembly with flat perforated profiles- width 24mm.  
Provide several 6x12 TRCC bolts.

	Pack. ML	Height MM	Kg/ML	SZ
PCD 1	6	24	0.43	190035
PCD 2		48	0.67	190060
PCD 3		72	0.90	190085
PCD 4		96	1.12	190096

Detailed view of PCD



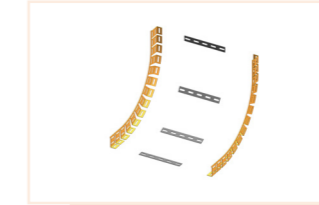
Assembling



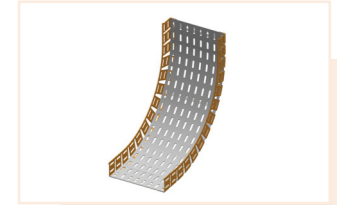
**PCP**  
3 meters.  
Allows for change of plan.  
Assembly with flat perforated profiles- width 24mm.  
Provide 6x12 TRCC bolts.

	Pack. ML	Height MM	Kg/ML	SZ
PCP 1	6	24	0.43	190036
PCP 2		48	0.67	190061
PCP 3		72	0.90	190086

Detailed view of PCP



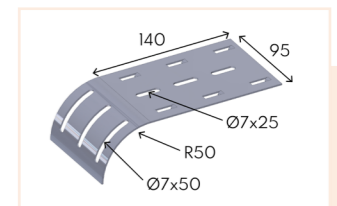
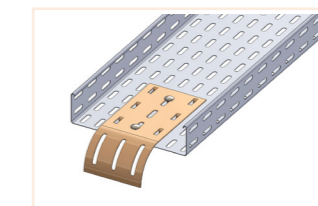
Assembling



### Universal cable dropout plate

Compatible with wire and perforated cable trays.  
For perforated cable trays, fold down the 2 legs for secure the assembling.  
Provide two 6x16 TRCC bolts.

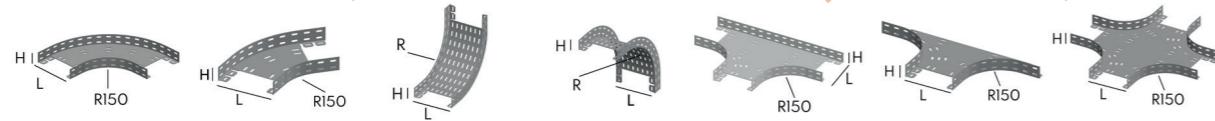
	Pack. P	Kg/P	Magnelis®
Cable dropout plate	10	0.30	M-150030



## Fitting items - Sendzimir

### Elbows

Elbows with different radii can be produced on request.  
 Valid Information for sendzimir and hot dip galvanization :  
 - Radius of 90° VI inside elbow for all heights : R 306  
 - Radius of 90° VE outside elbow: = Ht. 24 → R280 / Ht. 48 → R254 / Ht. 72 → R305 / Ht. 96 → R454



Height	Width	90° elbow	135° elbow	90° VI inside elbow	90° VE outside elbow	Equal tee	Derivation tee	Cross
24	W. 51	170011	174005	170011-I	170011-E	172005	176005	177005
	W. 99	170010	174010	170010-I	170010-E	172010	176010	177010
	W. 147	170015	174015	170015-I	170015-E	172015	176015	177015
	W. 195	170020	174020	170020-I	170020-E	172020	176020	177020
	W. 316	170030	174030	170030-I	170030-E	172030	176030	177030
	W. 412	170040	174040	170040-I	170040-E	172040	176040	177040
	W. 508	170050	174050	170050-I	170050-E	172050	176050	177050
48	W. 51	170105	174105	170105-I	170105-E	172105	176105	177105
	W. 75	170107	174107	170107-I	170107-E	172107	176107	177107
	W. 99	170110	174110	170110-I	170110-E	172110	176110	177110
	W. 147	170115	174115	170115-I	170115-E	172115	176115	177115
	W. 195	170120	174120	170120-I	170120-E	172120	176120	177120
	W. 268	170127	174127	170127-I	170127-E	172127	176127	177127
	W. 316	170130	174130	170130-I	170130-E	172130	176130	177130
	W. 412	170140	174140	170140-I	170140-E	172140	176140	177140
	W. 508	170150	174150	170150-I	170150-E	172150	176150	177150
	W. 604	170160	174160	170160-I	170160-E	172160	176160	177160
72	W. 99	170210	174210	170210-I	170210-E	172210	176210	177210
	W. 147	170215	174215	170215-I	170215-E	172215	176215	177215
	W. 195	170220	174220	170220-I	170220-E	172220	176220	177220
	W. 316	170230	174230	170230-I	170230-E	172230	176230	177230
	W. 412	170240	174240	170240-I	170240-E	172240	176240	177240
	W. 508	170250	174250	170250-I	170250-E	172250	176250	177250
96	W. 99	170310	174310	170310-I	170310-E	172310	176310	177310
	W. 147	170315	174315	170315-I	170315-E	172315	176315	177315
	W. 195	170320	174320	170320-I	170320-E	172320	176320	177320
	W. 316	170330	174330	170330-I	170330-E	172330	176330	177330
	W. 412	170340	174340	170340-I	170340-E	172340	176340	177340
	W. 508	170350	174350	170350-I	170350-E	172350	176350	177350

### Fitting covers



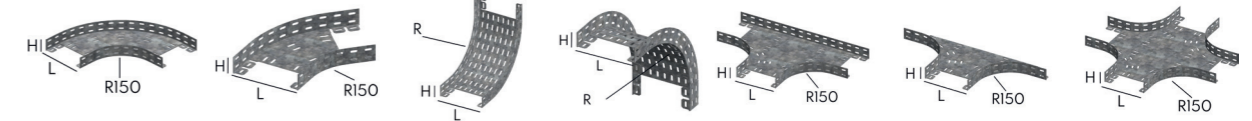
Width	90° elbow cover	135° elbow cover	90° VI inside elbow cover*	90° VE outside elbow cover*	Equal tee cover	Derivation tee cover	Cross cover
W. 51	171050	178050	171050-I*	171050-E*	173050	179050	175050
W. 75	171075	178075	171075-I*	171075-E*	173075	179075	175075
W. 99	171100	178100	171100-I*	171100-E*	173100	179100	175100
W. 147	171150	178150	171150-I*	171150-E*	173150	179150	175150
W. 195	171200	178200	171200-I*	171200-E*	173200	179200	175200
W. 268	171268	178268	171268-I*	171268-E*	173268	179268	175268
W. 316	171300	178300	171300-I*	171300-E*	173300	179300	175300
W. 412	171400	178400	171400-I*	171400-E*	173400	179400	175400
W. 508	171500	178500	171500-I*	171500-E*	173500	179500	175500
W. 604	171600	178600	171600-I*	171600-E*	173600	179600	175600
Clips CLCT p.32	Add 4 clips	Add 4 clips	Add 4 clips	Add 4 clips	Add 6 clips	Add 6 clips	Add 8 clips

\* For VI & VE covers, add the height of your choice : 24-48-72-96. Ex : 90° VI inside elbow cover, width 51, height 24 = 170150-I-24

## Fitting elements - Hot dip galvanization

### Elbows

Elbows with different radii can be produced on request.  
 Magnelis on request  
 Add «M» in front the reference of your choice. Ex : 90° elbow 51x24 = M-170011



Height	Width	90° elbow	135° elbow	90° VI inside elbow	90° VE outside elbow	Equal tee	Derivation tee	Cross
24	W. 51	270011	274005	270011-I	270011-E	272005	276005	277005
	W. 99	270010	274010	270010-I	270010-E	272010	276010	277010
	W. 147	270015	274015	270015-I	270015-E	272015	276015	277015
	W. 195	270020	274020	270020-I	270020-E	272020	276020	277020
	W. 316	270030	274030	270030-I	270030-E	272030	276030	277030
	W. 412	270040	274040	270040-I	270040-E	272040	276040	277040
	W. 508	270050	274050	270050-I	270050-E	272050	276050	277050
48	W. 51	270105	274105	270105-I	270105-E	272105	276105	277105
	W. 75	270107	274107	270107-I	270107-E	272107	276107	277107
	W. 99	270110	274110	270110-I	270110-E	272110	276110	277110
	W. 147	270115	274115	270115-I	270115-E	272115	276115	277115
	W. 195	270120	274120	270120-I	270120-E	272120	276120	277120
	W. 268	270127	274127	270127-I	270127-E	272127	276127	277127
	W. 316	270130	274130	270130-I	270130-E	272130	276130	277130
	W. 412	270140	274140	270140-I	270140-E	272140	276140	277140
	W. 508	270150	274150	270150-I	270150-E	272150	276150	277150
	W. 604	270160	274160	270160-I	270160-E	272160	276160	277160
72	W. 99	270210	274210	270210-I	270210-E	272210	276210	277210
	W. 147	270215	274215	270215-I	270215-E	272215	276215	277215
	W. 195	270220	274220	270220-I	270220-E	272220	276220	277220
	W. 316	270230	274230	270230-I	270230-E	272230	276230	277230
	W. 412	270240	274240	270240-I	270240-E	272240	276240	277240
	W. 508	270250	274250	270250-I	270250-E	272250	276250	277250
96	W. 99	270310	274310	270310-I	270310-E	272310	276310	277310
	W. 147	270315	274315	270315-I	270315-E	272315	276315	277315
	W. 195	270320	274320	270320-I	270320-E	272320	276320	277320
	W. 316	270330	274330	270330-I	270330-E	272330	276330	277330
	W. 412	270340	274340	270340-I	270340-E	272340	276340	277340
	W. 508	270350	274350	270350-I	270350-E	272350	276350	277350

### Elbow covers



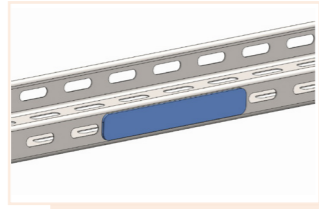
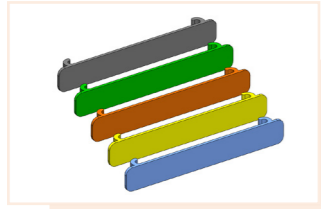
Width	90° elbow cover	135° elbow cover	90° VI inside elbow cover*	90° VE outside elbow cover*	Equal tee cover	Derivation tee cover	Cross cover
W. 51	271050	278050	271050-I*	271050-E*	273050	279050	275050
W. 75	271075	278075	271075-I*	271075-E*	273075	279075	275075
W. 99	271100	278100	271100-I*	271100-E*	273100	279100	275100
W. 147	271150	278150	271150-I*	271150-E*	273150	279150	275150
W. 195	271200	278200	271200-I*	271200-E*	273200	279200	275200
W. 268	271268	278268	271268-I*	271268-E*	273268	279268	275268
W. 316	271300	278300	271300-I*	271300-E*	273300	279300	275300
W. 412	271400	278400	271400-I*	271400-E*	273400	279400	275400
W. 508	271500	278500	271500-I*	271500-E*	273500	279500	275500
W. 604	271600	278600	271600-I*	271600-E*	273600	279600	275600
Clips CLCT p.32	Add 4 clips	Add 4 clips	Add 4 clips	Add 4 clips	Add 6 clips	Add 6 clips	Add 8 clips

\* For VI & VE covers, add the height of your choice : 24-48-72-96. Ex : 90° VI inside elbow cover, width 51, height 24 = 170150-I-24

## Accessories

### Plastic labels

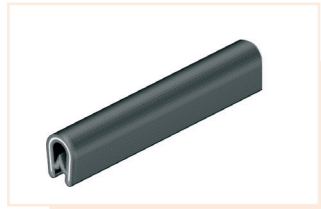
Customization of labels with optional marking.



	Pack. P	Kg/ Bag	Plastic
ETTG - Grey	50	0.20	950011
ETTV - Green			950012
ETTO - Orange			950013
ETTJ - Yellow			950015
ETTB - Blue			950016

### Cable protection

Coil of 5 ml of protection ring.



	Pack. P	Kg/P	PVC
Protection ring	1	0.56	950004

### Sprays



To choose the color of the spray : \* code 94 + RAL (p.93)  
Put the letter : M (Mat) or B (Glossy) at the end

→ Ex: Ral 9010 Réf : 949010M

	Pack. P	Sprays
Cold galvanized spray	1	940000
Color spray	6	94 xxxx *

## Cable tray earth connection

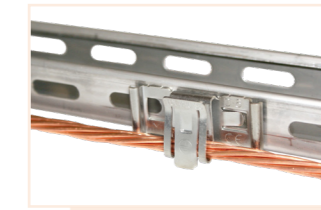
### OB Tox



According to EN 61439-1 standard.  
OB Tox is a clip for earth cable from 16 to 35 sqmm.

Valid for cable tray with a thickness < 1.5 mm.

	Pack.P	Kg/P	Tin-plated copper steel
OB TOX	10	0.02	700010

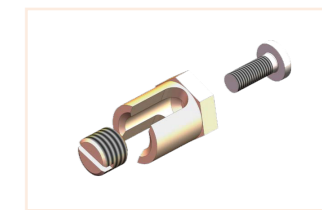


### Cable tray earth terminal kit



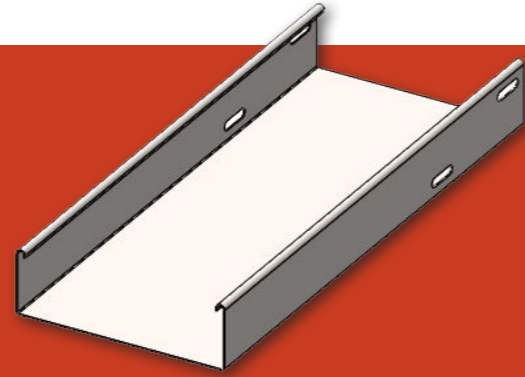
Cable tray earth terminal kit including 1 brass earth terminal and one 6x10 TRL brass screw.  
Compatible with earth cable from 25 to 60 sqmm.  
Add 1 washers for a kit.

	Pack.P	Kg/P	Brass
Cable tray kit - 25 sqmm	10	0.03	701025
Cable tray kit - 35 sqmm		0.04	701035
Cable tray kit - 60 sqmm		0.05	701060
Bimetal washer Alu/ Copper	10	0.50/%	700002

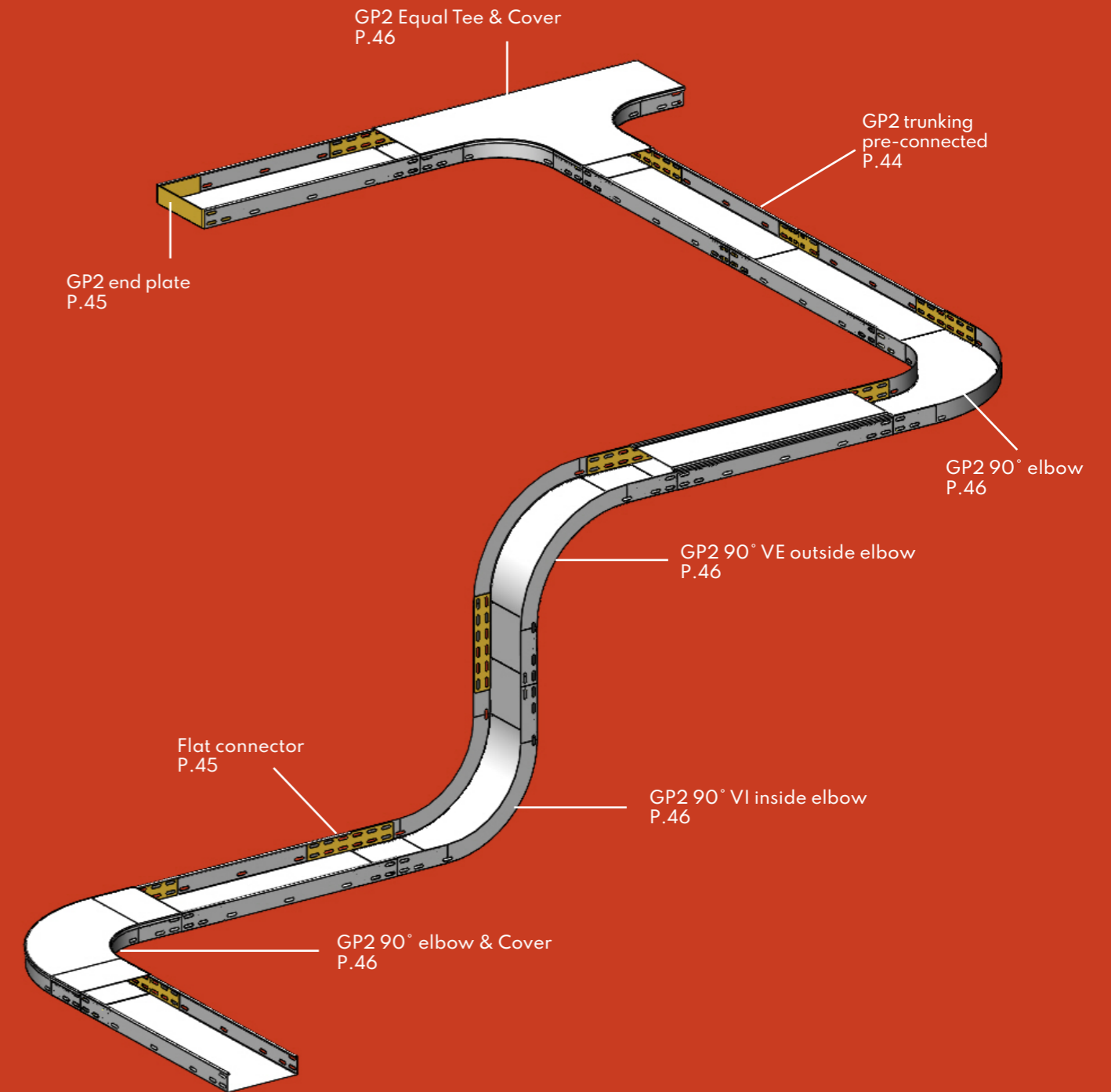


# Trunking

Manufacturing from A to Z



# Trunking



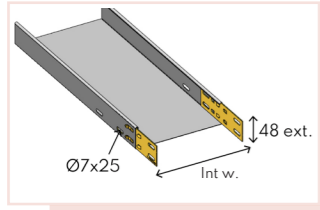
The essentials in **RED** and **BLACK** : Products available on stock  
References in **GREEN** : Products on request.

## Trunkings

### Trunkings - Height 48

#### GP<sub>2</sub> PE

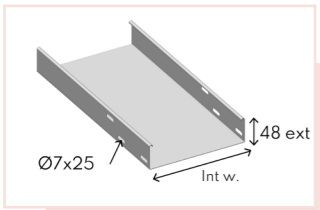
3 meters. Other dimensions on request.  
Pre-connected in factory. Epoxy optional.  
Load curve identical to OBR2.



	Pack. ML	Width MM	Kg/ML	SZ	HDG	Magnelis®
GP2 51 PE	6	51	0.80	180051	280051	M-180051
GP2 99 PE		99	1.00	180101	280101	M-180101
GP2 147 PE		147	1.55	180151	280151	M-180151
GP2 195 PE		195	1.85	180201	280201	M-180201
GP2 316 PE		316	3.50	180301	280301	M-180301
GP2 412 PE		412	5.15	-	-	-
GP2 508 PE		508	5.80	180501	-	-

#### GP<sub>2</sub>

3 meters. Safe flanges : return flanges.  
Other sizes on request. Epoxy optional.  
Internal connecting with EP2 flat connector. Provide four 6x12 TRCC bolts per connector.  
Load curve identical to OBR2.

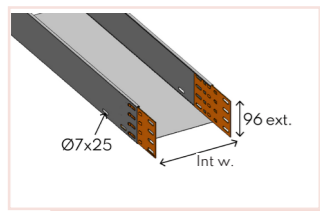


	Pack. ML	Width MM	Kg/ML	SZ	HDG	SS316L	Magnelis®
GP2 51	6	51	0.80	180050	280050	680050	-
GP2 99		99	1.00	180100	280100	680100	M-180100
GP2 147		147	1.55	180150	280150	680150	-
GP2 195		195	1.85	180200	280200	680200	-
GP2 316		316	3.50	180300	280300	680300	-
GP2 412		412	5.15	-	-	-	-
GP2 508		508	5.80	-	-	-	-

### Trunkings - Height 96

#### GP<sub>4</sub> PE

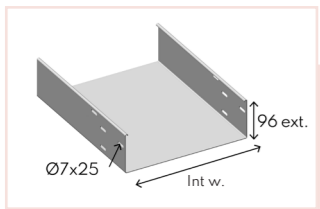
3 meters. Other sizes on request.  
Pre-connected in factory. Magnelis® on request. Epoxy optional.  
Load curve identical to OBR4



	Pack. ML	Width MM	Kg/ML	SZ	HDG
GP4 99 PE	6	99	2.35	197101	297101
GP4 147 PE		147	3.40	197151	297151
GP4 195 PE		195	3.90	197201	297201
GP4 316 PE		316	6.30	197301	297301
GP4 412 PE		412	9.00	197401	297401
GP4 508 PE		508	10.40	197501	297501

#### GP<sub>4</sub>

3 meters. Safe flanges : return flanges.  
Magnelis® on request.  
Other sizes on request. Epoxy optional.  
Internal connecting with EP4 flat connector. Provide four 6x12 TRCC bolts per connector.  
Load curve identical to OBR4.



	Pack. ML	Width MM	Kg/ML	SZ	HDG	SS316L
GP4 99	6	99	2.35	197100	297100	697100
GP4 147		147	3.40	197150	297150	697150
GP4 195		195	3.90	197200	297200	697200
GP4 316		316	6.30	197300	297300	697300
GP4 412		412	9.00	197400	297400	697400
GP4 508		508	10.40	197500	297500	697500

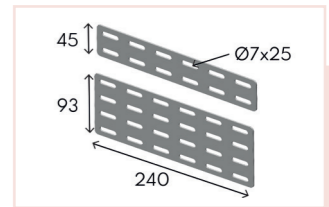
## Accessories

### Flat connectors

Allows two trunkings to be connected to each other.  
Provide four 6x12 TRCC bolts per connector.

#### EP

	Pack. P	Height MM	Kg/P	SZ	HDG	SS316L
EP 2	25	45	0.13	160000	260000	660000
EP 4		93	0.31	196000	296000	696000

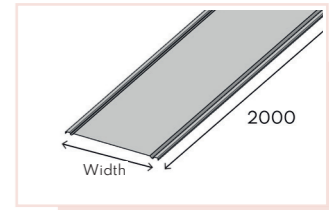


### Grooved covers

2 meters.  
The groove in the cover makes assembly faster and more rigid.  
4 CLCT clips are required per cover.

#### CPT

	Pack. ML	Width MM	Kg/ML	SZ	HDG	SS316L	Magnelis®
CPT 51	6	51	0.37	145052	245052	645052	M-145052
CPT 75		75	0.48	145076	245076	645076	-
CPT 99		99	0.59	145102	245102	645102	M-145102
CPT 147		147	0.82	145152	245152	645152	M-145152
CPT 195		195	1.02	145202	245202	645202	M-145202
CPT 268		268	1.88	145269	-	645269	M-145269
CPT 316		316	2.05	145302	245302	-	M-145302
CPT 412		412	3.55	145402	245402	645402	M-145402
CPT 508		508	4.32	145502	245502	645502	M-145502
CPT 604		604	5.09	145602	245602	645602	M-145602

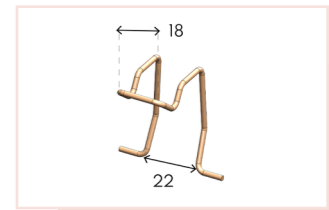


### Cable tray clips

Secure clips : secure cables - Fixing accessory.  
The clip easily secures the grooved cover to trunking to its shape.  
For assembling in windy conditions, it is advisable to use strapping.  
Provide 4 CLCT clips per grooved cover of 2 meters.

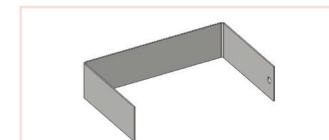
#### CLCT

	Pack. P	Kg/P	SZ
CLCT	10	0.01	356048



### End plates

End plates in GP2 and GP4 are packed per 2 pieces.



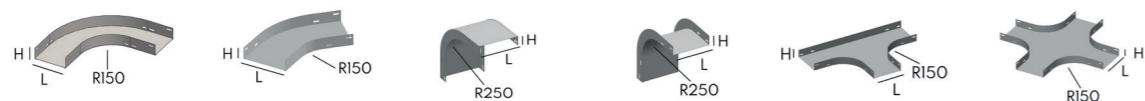
	Kg/P	SZ	HDG
GP2 end plate -51	0.15	B-180050	B-280050
GP2 end plate -99	0.17	B-180100	B-280100
GP2 end plate -147	0.20	B-180150	B-280150
GP2 end plate -195	0.23	B-180200	B-280200
GP2 end plate -316	0.29	B-180300	B-280300

	Kg/P	SZ	HDG
GP4 end plate -99	0.36	B-197100	B-297100
GP4 end plate -147	0.41	B-197150	B-297150
GP4 end plate -195	0.46	B-197200	B-297200
GP4 end plate -316	0.60	B-197300	B-297300
GP4 end plate -412	0.70	B-197400	B-297400
GP4 end plate -508	0.81	B-197500	B-297500

## Fitting elements - Sendzimir

### Elbows

Elbows with different radii can be produced on request.  
\* Radius on the bottom for 90° VI inside elbow and 90° VE outside elbow.



Height	Width	90° elbow	135° elbow	90° VI inside elbow*	90° VE outside elbow*	Equal tee	Cross
48 - GP2	W. 51	PI70105	PI74105	PI70105-I	PI70105-E	PI72105	PI77105
	W. 99	PI70110	PI74110	PI70110-I	PI70110-E	PI72110	PI77110
	W. 147	PI70115	PI74115	PI70115-I	PI70115-E	PI72115	PI77115
	W. 195	PI70120	PI74120	PI70120-I	PI70120-E	PI72120	PI77120
	W. 316	PI70130	PI74130	PI70130-I	PI70130-E	PI72130	PI77130
	W. 412	PI70140	PI74140	PI70140-I	PI70140-E	PI72140	PI77140
	W. 508	PI70150	PI74150	PI70150-I	PI70150-E	PI72150	PI77150
96 - GP4	W. 99	PI70310	PI74310	PI70310-I	PI70310-E	PI72310	PI77310
	W. 147	PI70315	PI74315	PI70315-I	PI70315-E	PI72315	PI77315
	W. 195	PI70320	PI74320	PI70320-I	PI70320-E	PI72320	PI77320
	W. 316	PI70330	PI74330	PI70330-I	PI70330-E	PI72330	PI77330
	W. 412	PI70340	PI74340	PI70340-I	PI70340-E	PI72340	PI77340
	W. 508	PI70350	PI74350	PI70350-I	PI70350-E	PI72350	PI77350

### Fitting covers



	90° elbow cover	135° elbow cover	90° VI inside elbow cover*	90° VE outside elbow cover*	Equal tee cover	Cross cover
W. 51	PI71050	-	PI71050-I*	PI71050-E*	PI73050	PI75050
W. 99	PI71100	PI78100	PI71100-I*	PI71100-E*	PI73100	PI75100
W. 147	PI71150	PI78150	PI71150-I*	PI71150-E*	PI73150	PI75150
W. 195	PI71200	PI78200	PI71200-I*	PI71200-E*	PI73200	PI75200
W. 316	PI71300	PI78300	PI71300-I*	PI71300-E*	PI73300	PI75300
W. 412	PI71400	-	PI71400-I*	PI71400-E*	PI73400	PI75400
W. 508	PI71500	PI78500	PI71500-I*	PI71500-E*	PI73500	PI75500
Clips CLCT voir p.41	Provide 4 clips	Provide 4 clips	Provide 4 clips	Provide 4 clips	Provide 6 clips	Provide 8 clips

\* For VI & VE covers, add the height of your choice : 48-96 Ex : 90° VI inside elbow cover, Width 51, height 48 = PI71050-I-48.

## Fitting elements - Hot dip galvanizing

### Elbows

Elbows with different radii can be produced on request.  
\* Radius on the bottom for 90° VI inside elbow and 90° VE outside elbow.  
Magnelis on request : Add «M» in front the reference of your choice. Ex : 90° elbow 51x48 = M-PI70105.



Height	Width	90° elbow	135° elbow	90° VI inside elbow*	90° VE outside elbow*	Equal tee	Cross
48 - GP2	W. 51	P270105	P274105	P270105-I	P270105-E	P272105	P277105
	W. 99	P270110	P274110	P270110-I	P270110-E	P272110	P277110
	W. 147	P270115	P274115	P270115-I	P270115-E	P272115	P277115
	W. 195	P270120	P274120	P270120-I	P270120-E	P272120	P277120
	W. 316	P270130	P274130	P270130-I	P270130-E	P272130	P277130
96 - GP4	W. 99	P270310	P274310	P270310-I	P270310-E	P272310	P277310
	W. 147	P270315	P274315	P270315-I	P270315-E	P272315	P277315
	W. 195	P270320	P274320	P270320-I	P270320-E	P272320	P277320
	W. 316	P270330	P274330	P270330-I	P270330-E	P272330	P277330
	W. 412	P270340	P274340	P270340-I	P270340-E	P272340	P277340
W. 508	P270350	P274350	P270350-I	P270350-E	P272350	P277350	

### Fitting covers



	90° elbow cover	135° elbow cover	90° VI inside elbow cover*	90° VE outside elbow cover*	Equal tee cover	Cross cover
W. 51	P271050	P278050	P271050-I*	P271050-E*	P273050	P275050
W. 99	P271100	P278100	P271100-I*	P271100-E*	P273100	P275100
W. 147	P271150	P278150	P271150-I*	P271150-E*	P273150	P275150
W. 195	P271200	P278200	P271200-I*	P271200-E*	P273200	P275200
W. 316	P271300	P278300	P271300-I*	P271300-E*	P273300	P275300
W. 412	P271400	P278400	P271400-I*	P271400-E*	P273400	P275400
W. 508	P271500	P278500	P271500-I*	P271500-E*	P273500	P275500
Clips CLCT voir p.41	Provide 4 clips	Provide 4 clips	Provide 4 clips	Provide 4 clips	Provide 6 clips	Provide 8 clips

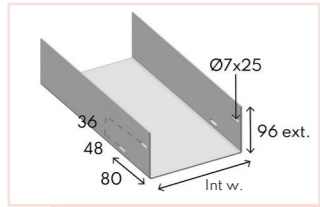
\* For VI & VE covers, add the height of your choice : 48-96 Ex : 90° VI inside elbow cover, Width 51, height 48 = P271050-I-48.



## Floor trunking

### Trunking

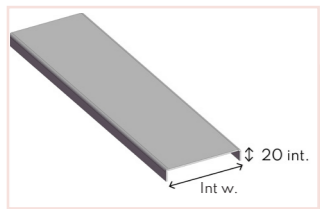
**GA 4** 3 meters.  
Straight flanges.  
Connecting with EP4 connectors.



	Pack. ML	Width MM	Th. MM	Kg/ML	SZ
GA4 99 - 15	3	99	1.50	3.43	GS499-15
GA4 195 - 15		195	1.50	4.56	GS4195-15
GA4 316 - 15		316	1.50	5.98	GS4316-15
GA4 412 - 15		412	1.50	7.11	GS4412-15
GA4 508 - 15		508	1.50	8.24	GS4508-15
GA4 99 - 20	3	99	2.00	4.57	GS499-20
GA4 195 - 20		195	2.00	6.08	GS4195-20
GA4 316 - 20		316	2.00	7.98	GS4316-20
GA4 412 - 20		412	2.00	9.48	GS4412-20
GA4 508 - 20		508	2.00	10.99	GS4508-20

### Covers

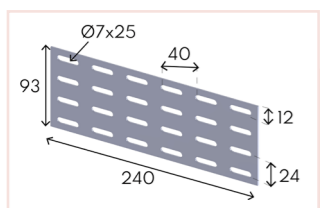
**CVS** 3 meters.  
HDG on request.



	Pack. ML	Width MM	Th. MM	Kg/ML	SZ
CVS 99	3	99	2.20	1.87	GACC99
CVS 195		195	3.70	3.38	GACC195
CVS 316		316	5.60	5.28	GACC316
CVS 412		412	6.78	6.78	GACC412
CVS 508		508	8.29	8.29	GACC508

### Connector

**EP 4** Allows two trunking systems to be connected to each other.  
Provide four 6x12 TRCC bolts per connectors.



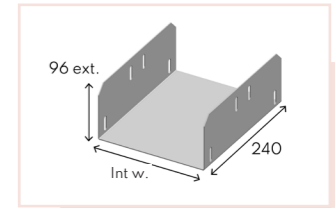
	Pack. P	Kg/P	SZ
EP 4	25	0.31	196000

## Floor trunking

### Sleeves

Allows two trunking systems to be connected to each other. **MA 4**

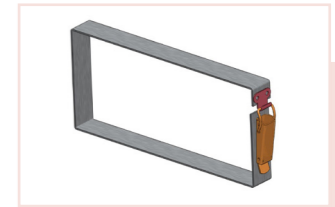
	Pack. ML	Width MM	Kg/P	SZ
MA 99	1	99	1.02	GAMC499
MA 195		195	1.39	GAMC4195
MA 316		316	1.84	GAMC4316
MA 412		412	2.21	GAMC4412
MA 508		508	2.61	GAMC4508



### Strapping

Fixing accessory.  
Allows the cover to be fixed to the trunking. **CA 4**

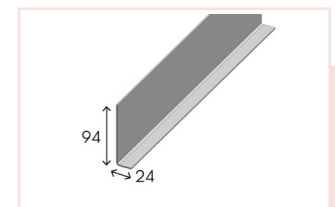
	Pack. ML	Width MM	Kg/P	SZ
Strapping 99	1	99	0.14	GACE99
Strapping 195		195	0.14	GACE195
Strapping 316		316	0.19	GACE316
Strapping 412		412	0.23	GACE412
Strapping 508		508	0.28	GACE508

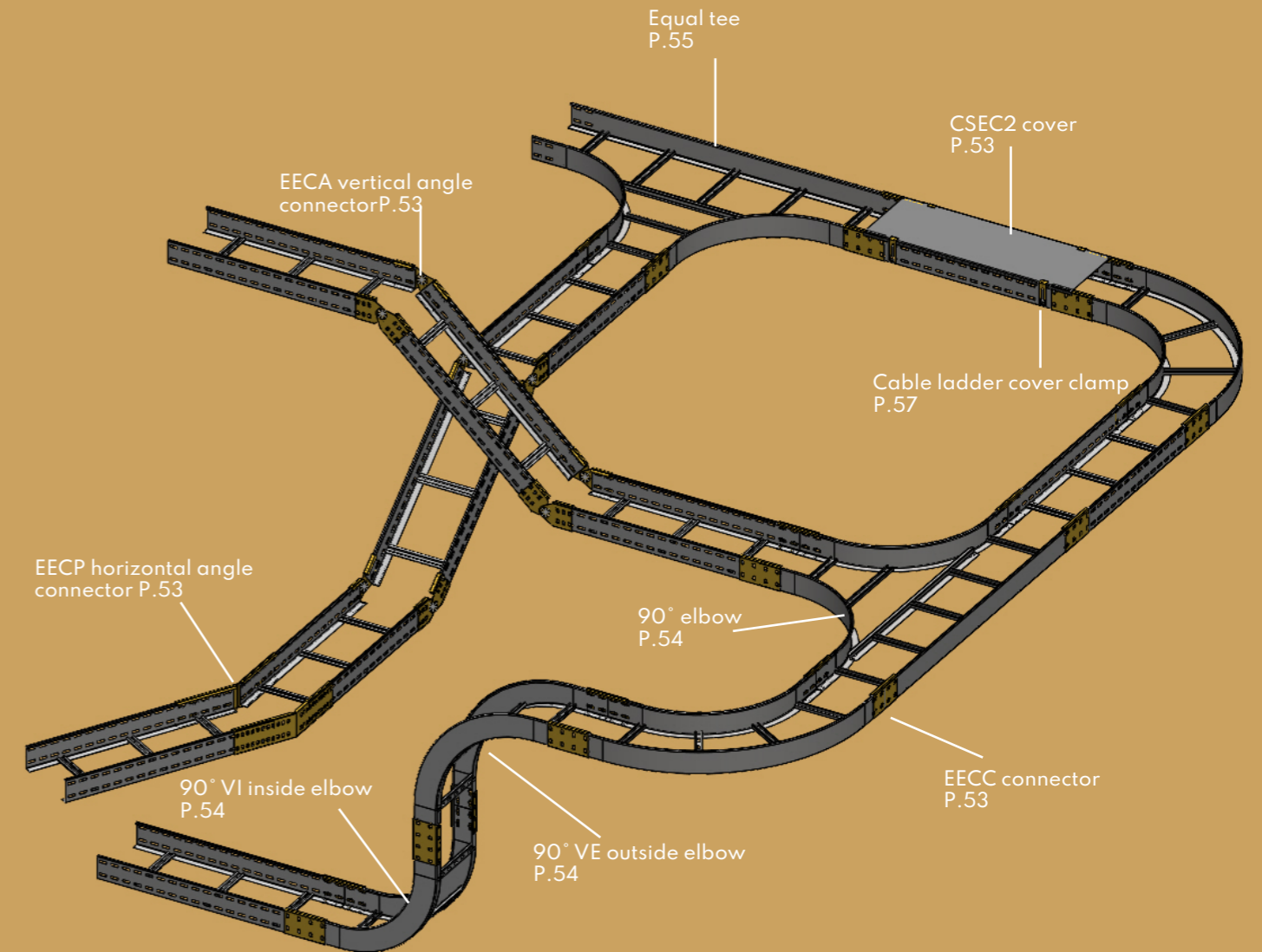
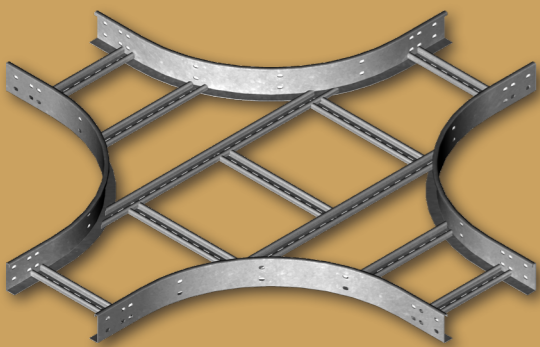
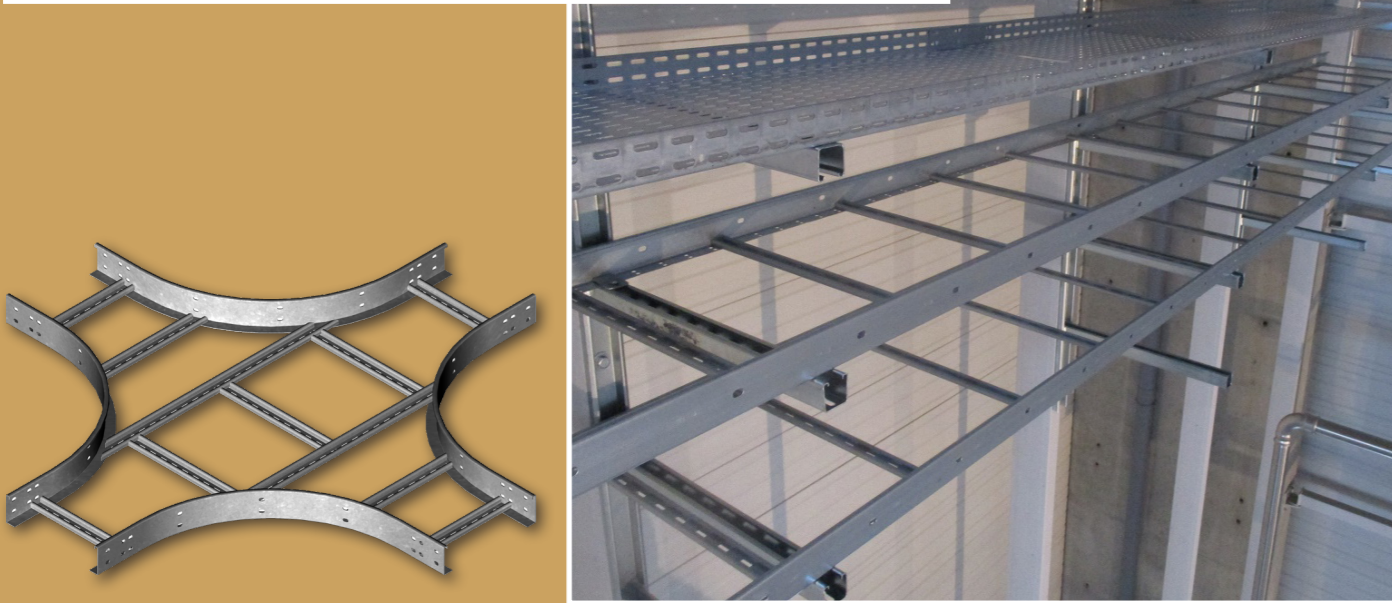
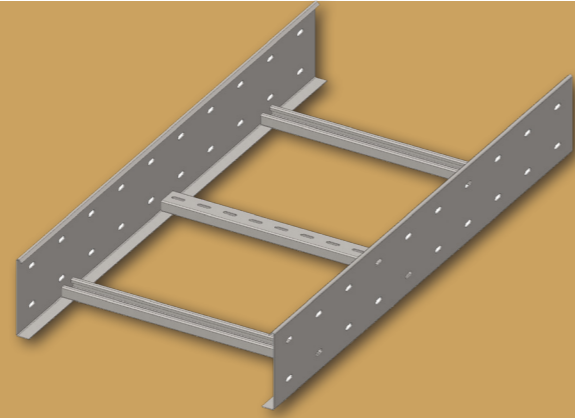


### Divider

3 meters.  
Allows circuits to be separated on a common circuit. **CHTP**

	Pack. ML	Width MM	Kg/ML	SZ
CHTP	3	94	0.75	GAL496

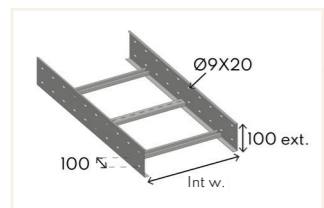




## Cable ladders

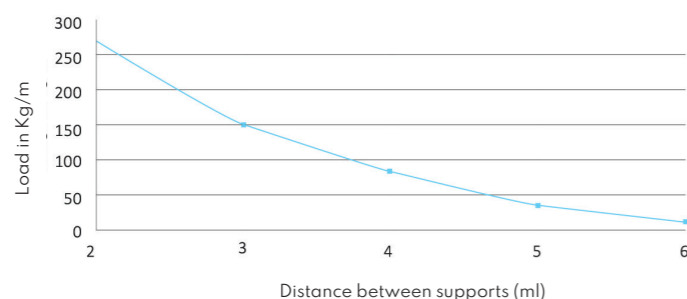
### Cable ladders - Height 100

**ECC 4** 3 meters. 6 meters on request.  
 Three crossbars per metre.  
 Other widths and heights on request.  
 Stainless steel on request.  
 Epoxy optional.  
 For assembly with connectors EECC4, EEC4, EECA4, provide four 8x15 TRCC bolts per connector.



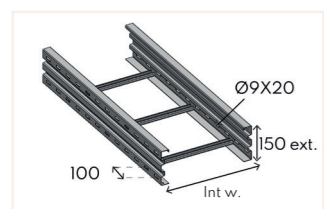
	Pack. ML	Width MM	Kg/ML	HDG
ECC4 200	3	200	4.64	217220
ECC4 300		300	5.24	217230
ECC4 400		400	4.77	217240
ECC4 500		500	4.92	217250
ECC4 600		600	6.32	217260

Load curve ECC4



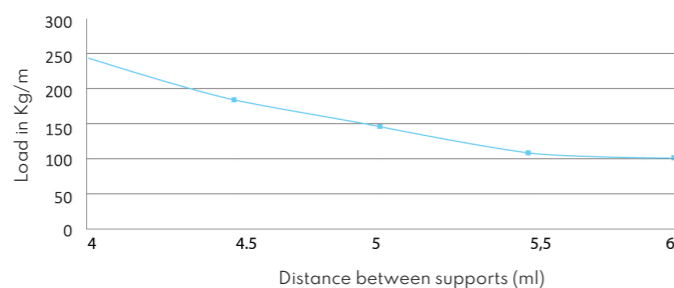
### Cable ladders - Height 150

**ECC 6** 3 meters. 6 meters on request.  
 Three crossbars per meter.  
 Other widths and heights on request.  
 Stainless steel on request.  
 Epoxy optional.  
 For assembly with connectors EECC6, EEC6, EECA6, provide four 8x15 TRCC bolts per connector.



	Pack. ML	Width MM	Kg/ML	HDG
ECC6 200	3	200	7.52	217320
ECC6 300		300	7.83	217330
ECC6 400		400	8.15	217340
ECC6 500		500	8.47	217350
ECC6 600		600	8.79	217360

Load curve ECC6

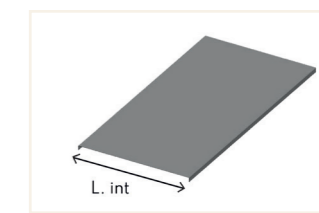


## Single cover

### CSEC2

3 meters.  
 Provide 4 clamps per cover.

	Pack. ML	Width MM	Kg/ML	HDG
CSEC2 200	3	200	1.97	266200
CSEC2 300		300	2.17	266300
CSEC2 400		400	3.47	266400
CSEC2 500		500	5.00	266500
CSEC2 600		600	5.04	266600



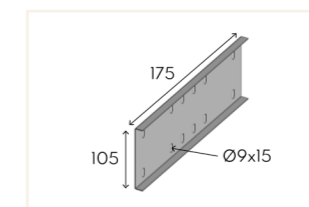
## Connecting accessories

### EECC connectors

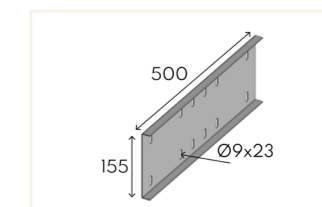
Fitting between two cable ladders.  
 Provide four 8x15 TRCC bolts per assembling.

	Pack. P	Width MM	Kg/P	HDG
EECC4 connector HT100	10	105	0.51	217200
EECC6 connector HT150		155	1.15	217300

EECC4 HT 100



EECC6 HT 150

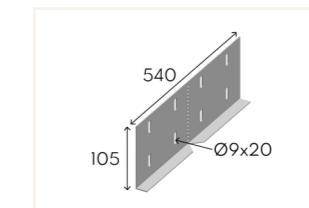


### EECP horizontal angle connectors

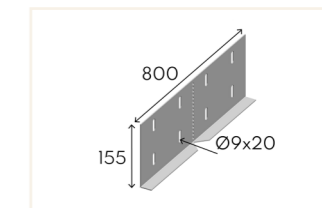
Change of direction between two cable ladders.  
 Provide four 8x15 TRCC bolts per assembling.

	Pack. P	Width MM	Kg/P	HDG
EECP4 connector HT100	10	105	1.15	217215
EECP4 connector HT150		155	3.19	217315

EECP4 HT 100



EECP6 HT 150

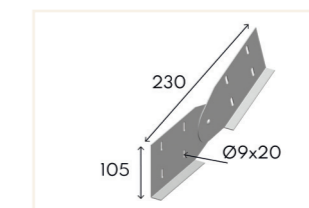


### EECA vertical angle connectors

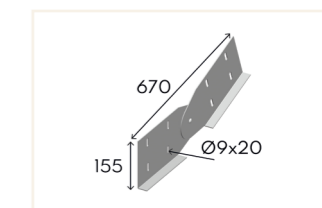
Change of plan between two cable ladders.  
 Provide four 8x15 TRCC bolts per assembling.

	Pack. P	Width MM	Kg/P	HDG
EECA4 connector HT100	10	105	0.40	217210
EECA4 connector HT150		155	2.36	217310

EECA4 HT 100



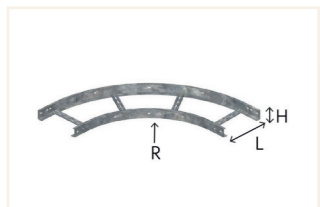
EECA6 HT 150



## Fitting elements

### 90° elbow

Other radii on request.  
Provide four 8x15 TRCC bolts per connector.



	Pack. P	Height MM	Width MM	Radius MM	Kg/P	HDG
90 elbow - ECC4 200	1	100	200	420	4.42	216220
90 elbow - ECC4 300			300		5.05	216230
90 elbow - ECC4 400			400		5.69	216240
90 elbow - ECC4 500			500		6.32	216250
90 elbow - ECC4 600			600		7.32	216260
90 elbow - ECC6 200	1	150	200	500	6.30	216320
90 elbow - ECC6 300			300		7.20	216330
90 elbow - ECC6 400			400		8.30	216340
90 elbow - ECC6 500			500		9.25	216350
90 elbow - ECC6 600			600		10.15	216360

### 90° VI inside elbows

Allows a change of plan.  
Other radii on request.  
Provide four 8x15 TRCC bolts per connector.



	Pack. P	Height MM	Width MM	Radius MM	Kg/P	HDG
VI - ECC4 200	1	100	200	420	4.73	216220-I
VI - ECC4 300			300		5.40	216230-I
VI - ECC4 400			400		6.09	216240-I
VI - ECC4 500			500		6.76	216250-I
VI - ECC4 600			600		7.83	216260-I
VI - ECC6 200	1	150	200	500	5.80	216320-I
VI - ECC6 300			300		6.45	216330-I
VI - ECC6 400			400		7.05	216340-I
VI - ECC6 500			500		7.60	216350-I
VI - ECC6 600			600		8.10	216360-I

### 90° VE outside elbows

Allows a change of plan.  
Other radii on request.  
Provide four 8x15 TRCC bolts per connector.

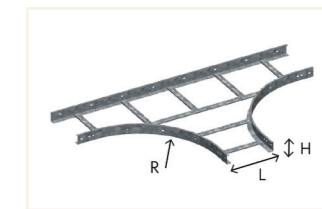


	Pack. P	Height MM	Width MM	Radius MM	Kg/P	HDG
VE - ECC4 200	1	100	200	420	4.73	216220-E
VE - ECC4 300			300		5.40	216230-E
VE - ECC4 400			400		6.09	216240-E
VE - ECC4 500			500		6.76	216250-E
VE - ECC4 600			600		7.83	216260-E
VE - ECC6 200	1	150	200	500	5.80	216320-E
VE - ECC6 300			300		6.45	216330-E
VE - ECC6 400			400		7.05	216340-E
VE - ECC6 500			500		7.60	216350-E
VE - ECC6 600			600		8.10	216360-E

## Fitting elements

### Equal tee

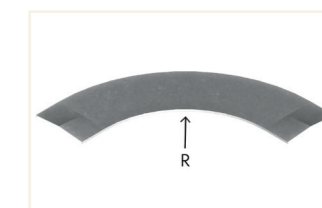
Allows a change of direction.  
Other radii on request.  
Provide four 8x15 TRCC bolts per connector.



	Pack. P	Height MM	Width MM	Radius MM	Kg/P	HDG
T - ECC4 200	1	100	200	420	7.33	219220
T - ECC4 300			300		8.16	219230
T - ECC4 400			400		9.00	219240
T - ECC4 500			500		9.83	219250
T - ECC4 600			600		12.35	219260
T - ECC6 200	1	150	200	500	10.90	219320
T - ECC6 300			300		12.10	219330
T - ECC6 400			400		13.25	219340
T - ECC6 500			500		14.35	219350
T - ECC6 600			600		15.50	219360

### Elbow covers

#### 90° elbow covers



	Pack. P	Radius MM	Kg/P	HDG
CSC 200 - ECC4	1	420	2.90	271720-420
CSC 300 - ECC4			4.51	271730-420
CSC 400 - ECC4			6.29	271740-420
CSC 500 - ECC4			8.26	271750-420
CSC 600 - ECC4			10.42	271760-420
CSC 200 - ECC6	1	500	3.23	271720-500
CSC 300 - ECC6			4.98	271730-500
CSC 400 - ECC6			6.91	271740-500
CSC 500 - ECC6			9.03	271750-500
CSC 600 - ECC6			11.33	271760-500

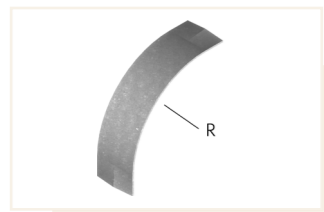
#### 90° VI inside elbow covers



	Pack. P	Kg/P	HDG
CSC I 200 - VI -ECC4	1	1.69	271720-I-420
CSC I 300 - VI -ECC4		2.95	271730-I-420
CSC I 400 - VI -ECC4		3.90	271740-I-420
CSC I 500 - VI -ECC4		4.77	271750-I-420
CSC I 600 - VI -ECC4		5.70	271760-I-420
CSC I 200 - VI -ECC6	1	2.56	271720-I-500
CSC I 300 - VI -ECC6		2.95	271730-I-500
CSC I 400 - VI -ECC6		3.90	271740-I-500
CSC I 500 - VI -ECC6		5.50	271750-I-500
CSC I 600 - VI -ECC6		5.70	271760-I-500

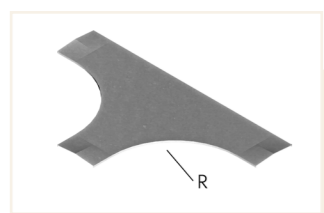
## Fitting elements

### 90° VE outside elbow covers



	Pack. P	Kg/P	HDG
CSC E 200 - VE-ECC4	1	2.56	271720-E-420
CSC E 300 - VE-ECC4		3.00	271730-E-420
CSC E 400 - VE-ECC4		3.99	271740-E-420
CSC E 500 - VE-ECC4		5.50	271750-E-420
CSC E 600 - VE-ECC4		5.70	271760-E-420
CSC E 200 - VE-ECC6	1	2.56	271720-E-500
CSC E 300 - VE-ECC6		3.00	271730-E-500
CSC E 400 - VE-ECC6		3.99	271740-E-500
CSC E 500 - VE-ECC6		5.50	271750-E-500
CSC E 600 - VE-ECC6		5.70	271760-E-500

### Equal tee covers



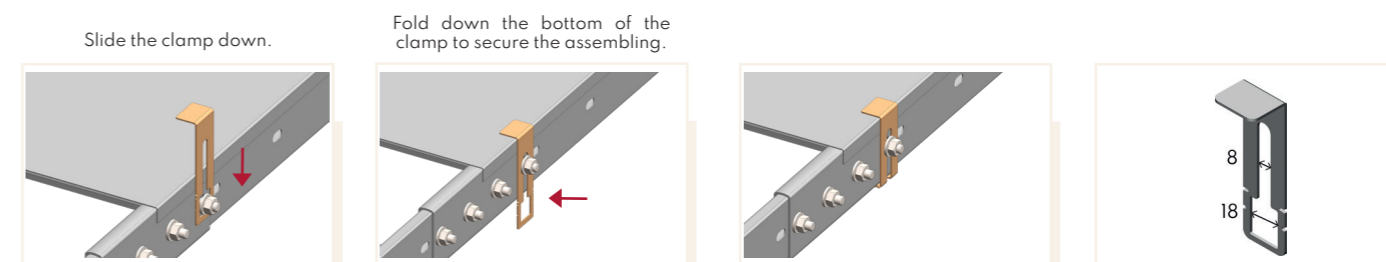
	Pack. P	Radius MM	Kg/P	HDG
CTSE 200 - T-ECC4	1	420	6.63	273720-420
CTSE 300 - T-ECC4			9.81	273730-420
CTSE 400 - T-ECC4			13.31	273740-420
CTSE 500 - T-ECC4			17.12	273750-420
CTSE 600 - T-ECC4			21.25	273760-420
CTSE 200 - T-ECC6	1	500	6.63	273720-500
CTSE 300 - T-ECC6			9.59	273730-500
CTSE 400 - T-ECC6			13.31	273740-500
CTSE 500 - T-ECC6			17.12	273750-500
CTSE 600 - T-ECC6			21.25	273760-500

## Connecting accessories

### Cable ladder cover clamp

Allows the cover to be locked onto the cable ladder

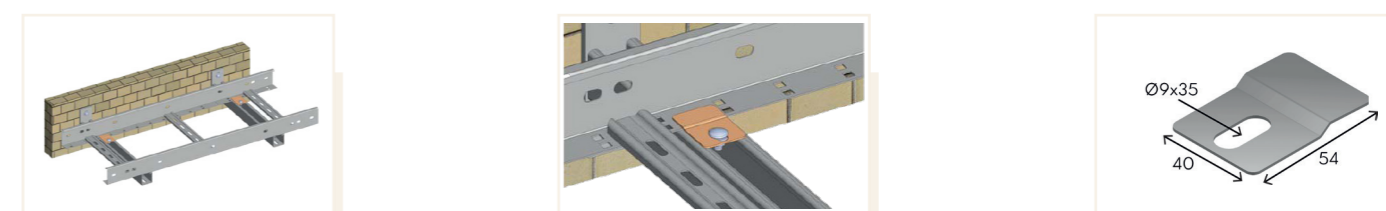
	Pack. P	Kg/P	HDG
Cover clamp	25	0.04	265000



### Hold down clamp

Allows ladders to be held on the support. Provide one 8x20 HM screw, one M8 flat washer and one M8 channel nut per clamp.

	Pack. P	Kg/P	HDG
Hold down clamp	25	0.04	264505



## Fasteners

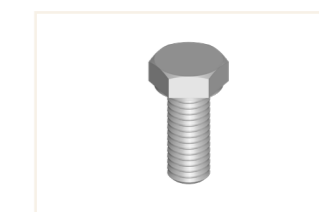
### Fasteners

	Pack. P	Kg/%	Geomet
8x15 TRCC bolt	100	2.12	260815
8x20 HM screw		1.23	230820
Flat washer - 8		0.37	230208
Base nut - 8		0.67	230108
Channel nut - 8		2.60	230408

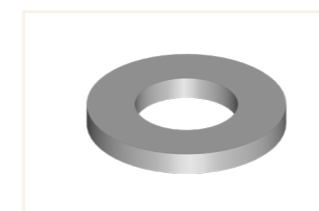
8x15 TRCC bolt



8x20 HM screw



Flat washer - 8



Base nut - 8

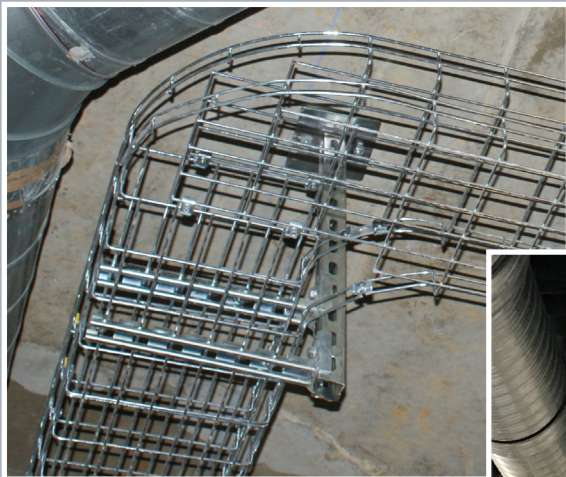
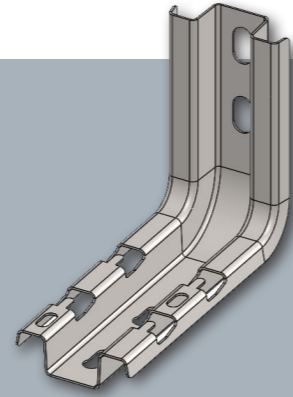


Channel nut - 8

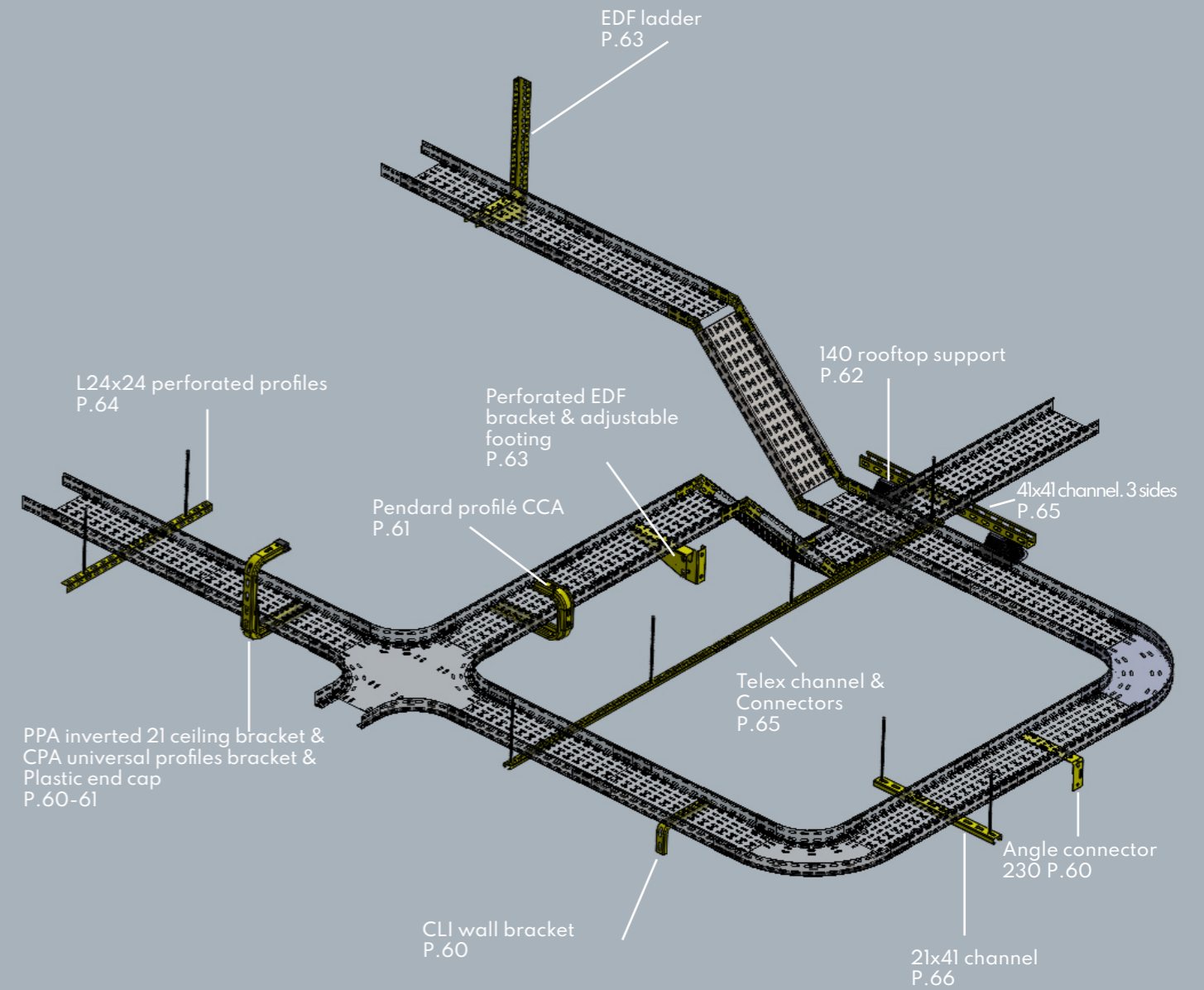


# Standard support

Manufacturing from A to Z



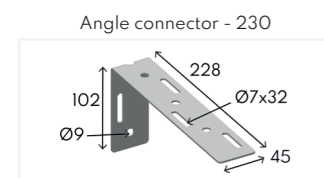
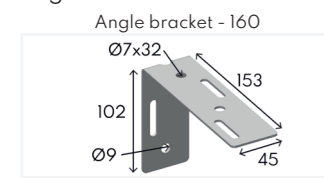
# Standard support



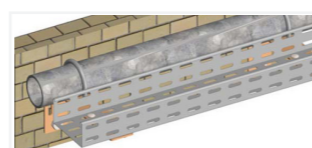
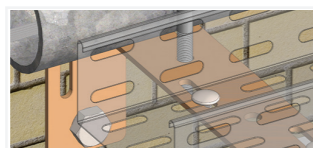
## Brackets

### Angle brackets

Compatible with wire and perforated cable trays.  
 Angle bracket - 160 : for width 51 to 75.  
 Angle bracket - 230 : for width 195.

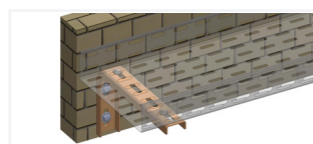
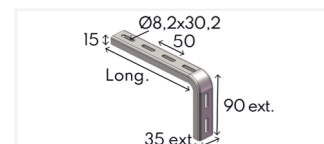


	Pack. P	Length MM	Load da/N	Kg/P	SZ	HDG
Anglebracket - 160	25	153	35	0.17	150075	250075
Anglebracket - 230		228	20	0.24	150125	250125



### CLI wall brackets

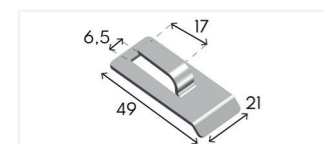
Only compatible with perforated cable trays until width 300.  
 Provide two 6x16 TRCC bolts per CLI.



	Pack. P	Length MM	Load da/N	Kg/P	SZ
CLI 100	5	100	70	0.15	150310
CLI 150		150	65	0.18	150315
CLI 200		200	42	0.22	150320
CLI 300		300	35	0.29	150330

### CRU fast click wedge

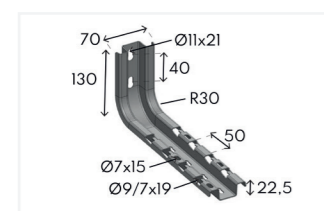
Compatible with CLI, CP21, CP41, EDF, 21 and 41 channels.  
 Allows the wire cable tray to be fixed to a bracket.  
 Provide 2 wedges per bracket to secure the assembling.



	Pack. P	Kg/P	SZ	SS316L
CRU	50	0.01	T158000	T658000

### CPA universal profile brackets

Compatible with wire and perforated cable trays.  
 For perforated cable trays : provide two 6x20 TRCC bolts.  
 For wire cable trays : fold down the tabs.

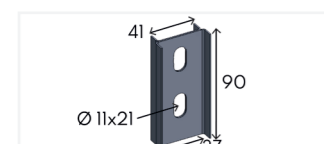


	Pack. P	Length MM	Load da/N	Kg/P	SZ	HDG	SS316L*
CPA 100	5	150	108	0.27	151715	251715	651516*
CPA 150		200	91	0.32	151720	251720	651521*
CPA 200		250	87	0.45	151725	251725	651526*
CPA 300		350	75	0.61	151735	251735	651536*
CPA 400		450	58	0.90	151745	251745	651546*
CPA 450		500	52	1.00	151750	251750	-

\*SS316L : CPU

### RCPA hold

This hold prevents the CPA bracket from turning when it is fixed on a ceiling bracket or 21, 41 channel.  
 Provide 10x25 HM screw, two flat washers - 10, two channel nuts - 10.



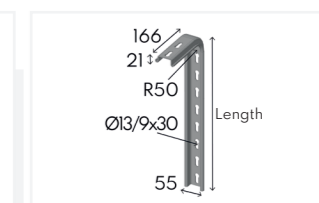
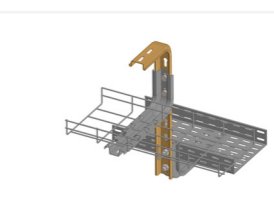
	Pack. P	Kg/P	SZ
RCPA hold	10	0.15	751700

## Ceiling brackets

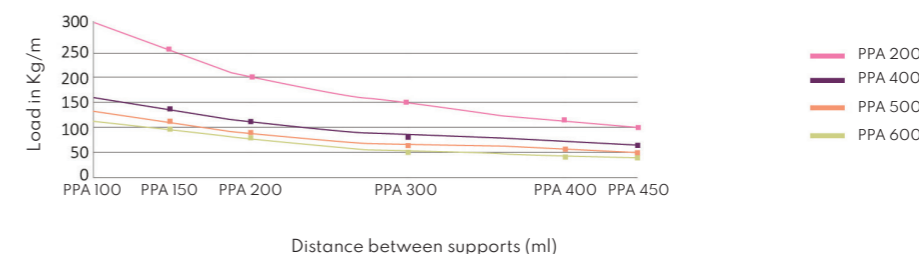
### PPA 21 inverted ceiling bracket

CPA+PPA double assembling

	Pack. P	Length MM	Kg/P	SZ	HDG
PPA 200	5	250	0.74	157725	257725
PPA 400		450	1.11	157745	257745
PPA 500		550	1.29	157755	-
PPA 600		650	1.48	157765	257765



Load curve of PPA



### BPPA plastic end cap

To protect PPA ceiling bracket end.

	Pack. P	Kg/P	Plastic
BPPA	10	0.01	959000

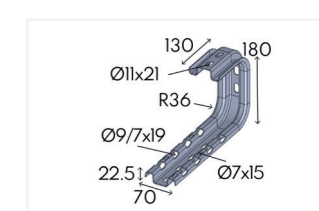


### CCA profile ceiling bracket

Compatible with wire and perforated cable trays.  
 Possibility to use the BCPA plastic end cap for protection.  
 Provide two 6x20 TRCC bolts per ceiling bracket for the perforated cable trays.

	Pack. P	Length MM	Load da/N	Kg/P	SZ	HDG	SS316L*
CCA 100	4	135	93	0.43	152715	252715	652516*
CCA 150		185	78	0.80	152720	252720	652521*
CCA 200		235	72	0.89	152725	252725	652526*
CCA 300		335	57	1.04	152735	252735	652536*
CCA 400		435	50	1.19	152745	252745	652546*
CCA 450		500	45	1.26	152750	252750	-

\*SS316L : CCU



### BCPA plastic end cap

Allows to protect the end of the RPA channel and CPA and CCA brackets.

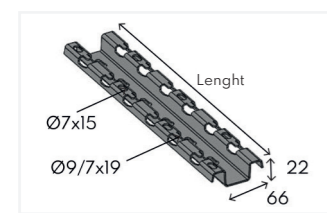
	Pack. P	Kg/P	Plastic
BCPA	10	0.01	958000



## Grounding fixings

### Automatic profiled channel

Compatible with wire and perforated cable trays.  
 For wire cable trays : fold down the tabs.  
 For perforated cable trays : provide two 6x20 TRCC bolts.  
 For swing assembling : provide two M6 threaded rods and M6 base nuts.



	Pack. P	Length MM	Kg/P	SZ	HDG
RPA 100	10	210	0.20	150715	250715
RPA 200		310	0.33	150725	250725
RPA 300		410	0.46	150735	250735
RPA 400		510	0.71	150745	250745
RPA 500		610	0.87	150755	250755
RPA 2000	2	2110	2.75	150702	250702
RPA 3000		3110	4.83	150703	250703

### BCPA plastic end cap

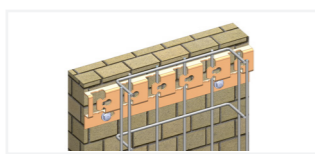
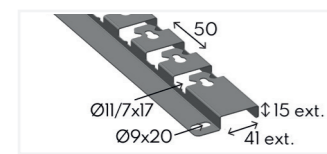
Allows to protect the end of the RPA channel and CPA and CCA brackets.



	Pack. P	Kg/P	Plastic
BCPA	10	0.01	958000

### ZEU universal channel

2 meters.  
 Compatible with wire and perforated cable trays.  
 For perforated cable trays : provide two 6x20 TRCC bolts per channel.



	Pack. P	Kg/P	SZ
ZEU universal channel	2	2.10	156200

### Rooftop support

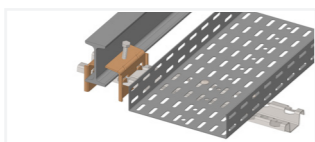
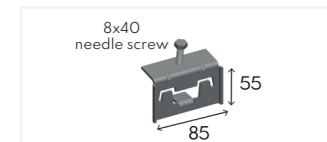
Material : black vulcanized rubber, resistant to UV  
 \*Support 250-400 : recycled rubber.  
 Provided without screws and bolts.

	Pack. P	Height MM	Width MM	Length MM	Rubber
Support 140	2	80	140	140	ST140
Support 250		100	180	250	ST250
Support 400		100	180	400	ST400



### RPA beam clamp

Allows wire and perforated cable trays to be clamped to a metal beam.  
 Supplied with 8x40 needle screw.



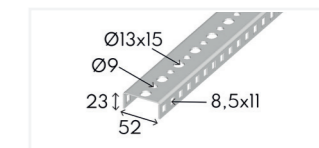
	Pack. P	Kg/P	EZ	HDG
RPA beam clamp	10	0.20	764850	264850

## EDF range

### EDF ladder

2 meters.  
 Other lengths and thicknesses on request.  
 SS304L, SS316L on request.

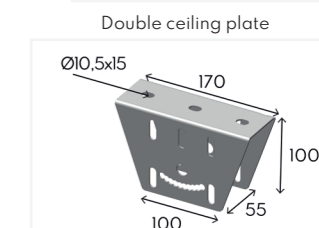
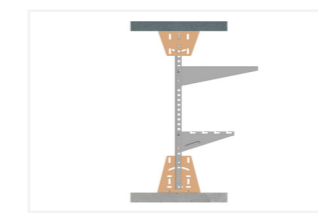
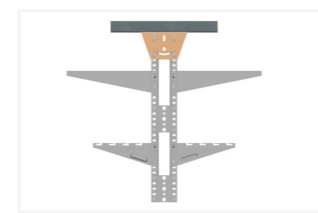
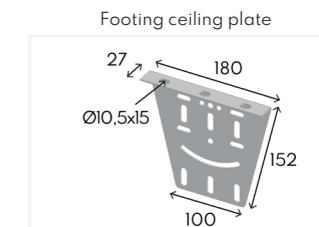
	Pack. ML	Kg/ML	SZ	HDG	SS316L
EDF ladder	4	1.33	170001	270001	670001



### Ceiling plate

Allows you to make a assembling with EDF ladders, EDF brackets.  
 SS304L, SS316L on request.

	Pack. P	Kg/P	SZ	HDG
Double ceiling plate	5	0.46	170003	270003
Footing ceiling plate		0.35	170002	270002

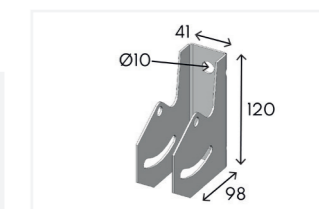
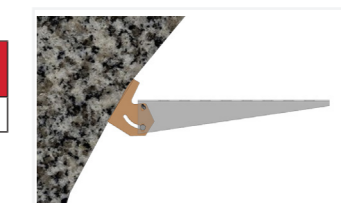


### EDF adjustable footing

Adjustable footing +/- 30°.

	Pack. P	Kg/P	SZ	HDG
Adjustable footing	5	0.35	170025	270025

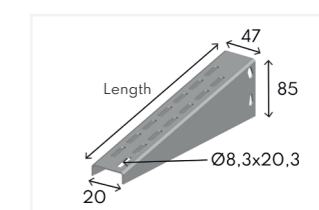
Assembling of a footing in a tunnel with an EDF bracket



### EDF perforated brackets

Compatible with an EDF ladder or an EDF adjustable footing.  
 SS304L, SS316L on request.

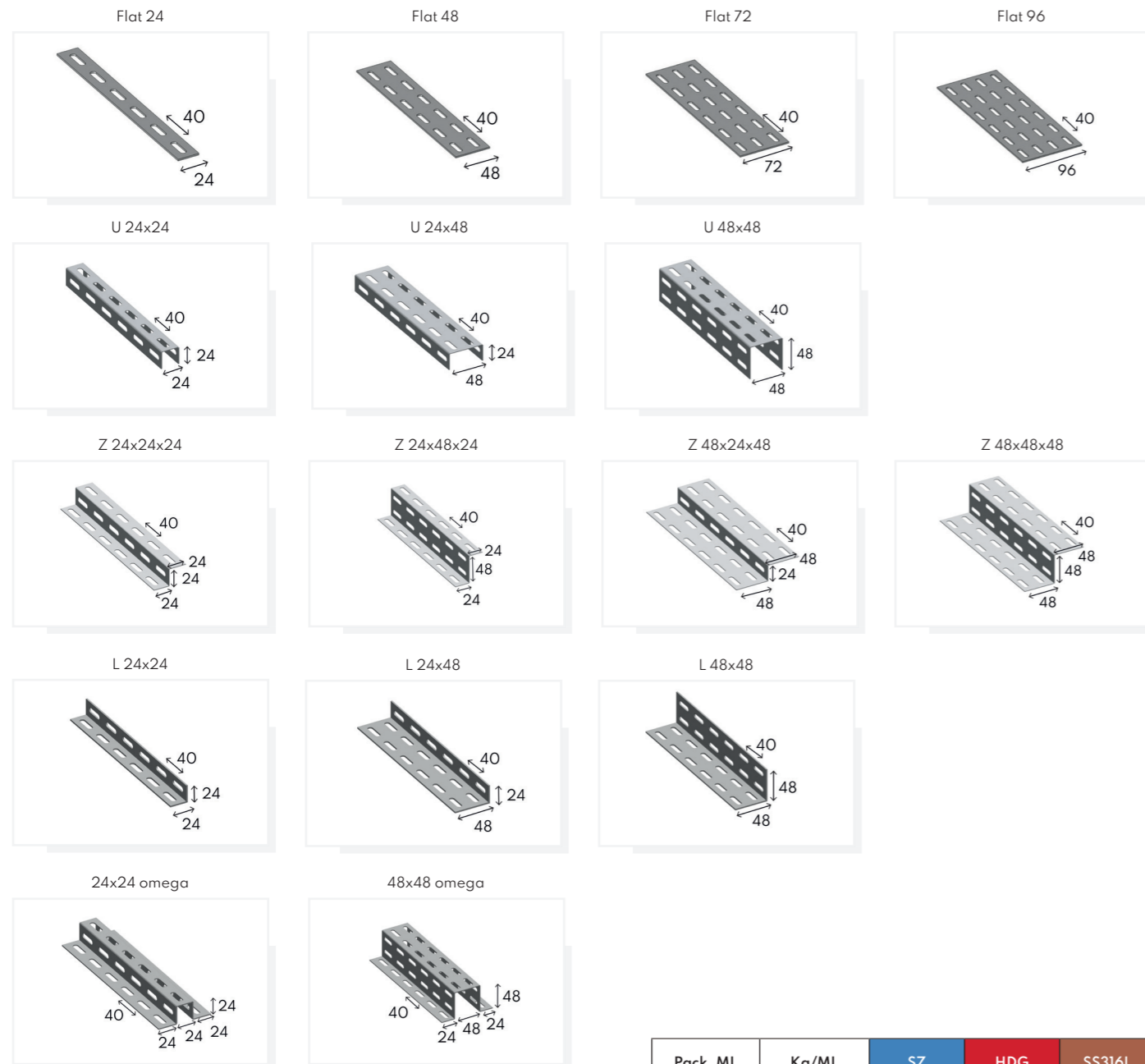
	Pack. P	Length MM	Load da/N	Kg/P	SZ	HDG
EDF bracket - 100	5	140	250	0.17	170004	270004
EDF bracket - 200		240	200	0.26	170005	270005
EDF bracket - 300		340	180	0.44	170006	270006
EDF bracket - 400		440	170	0.79	170007	270007
EDF bracket - 500		540	160	1.17	170008	270008
EDF bracket - 600		640	150	1.30	170016	270016
8x80 split pin	100	-	-	4.00/%	980880	-
8x20 HM screw	100	-	-	1.18/%	930820	230820
Ø8 base nut	100	-	-	0.67/%	930108	230108





## Perforated profiles

3 meters.



Size of the perforation : Ø7 x 25

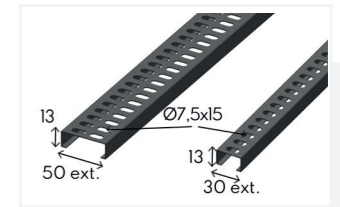
	Pack. ML	Kg/ML	SZ	HDG	SS316L
Flat 24	6	0.31	100248	-	-
Flat 48		0.62	100488	200488	600488
Flat 72		0.94	100728	200728	600728
Flat 96		1.25	100968	200968	600968
U 24x24	6	0.54	101248	201248	601248
U 24x48		0.75	101288	201288	601288
U 48x48		1.10	101488	-	601488
Z 24x24x24	6	0.55	102248	202248	602248
Z 24x48x24		1.20	102288	202288	602288
Z 48x24x48		0.94	102448	202448	602448
Z 48x48x48		1.08	102488	202488	602488
L 24x24	6	0.38	103248	203248	603248
L 24x48		0.55	103288	203288	603288
L 48x48		0.92	103488	203488	603488
24x24 omega	6	0.93	104824	204824	604824
48x48 omega		1.50	104848	204848	604848

## Light channel range

Telex

2 meters.

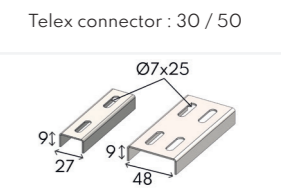
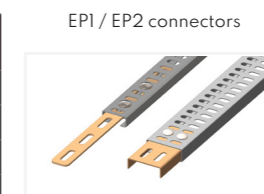
	Pack. ML	With MM	Kg/ML	SZ	HDG	SS316L
Telex 30	4	30	0.45	106301	206301	606301
Telex 50		30	0.60	106501	206501	606501



## Telex connectors

Telex can also be connected with EP1 flat connectors for Telex 30 and EP2 for Telex 50.

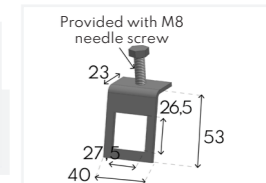
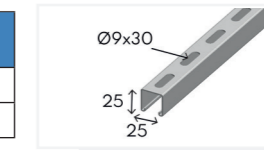
	Pack. P	Kg/P	SZ	HDG	SS316L
Telex 30 connector	10	0.03	106310	206310	-
Telex 50 connector		0.08	106510	206510	-
EP 1	25	0.05	135000	235000	635000
EP 2		0.13	160000	260000	660000



## 25x25 channels

3 meters.

	Pack. ML	Height MM	Width MM	Kg/ML	SZ
25x25 channel	6	25	25	0.85	125123
Light clamp	50 P	-	-	0.10/P	750800



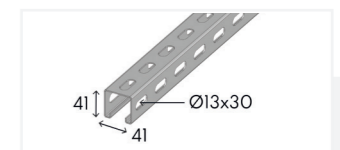
## Heavy channel range

### 41x41 channel - 3 Sides

3 meters.

Possibility of cut to length 3S channel. Secure with the 41 plastic end cap.

	Pack. ml	Th. mm	Kg/ML	SZ	HDG	SS316L
41 channel - 3S	6	2	1.65	114183	214183	614183

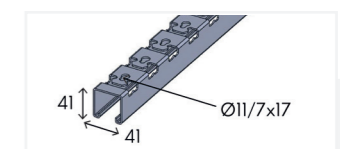


### 41 universal channel

3 meters.

Compatible with wire and perforated cable trays. For wire cable trays : fold down the tabs. For perforated cable trays : provide two 6x20 TRCC bolts. Secure with the 41 plastic end cap.

	Pack. ML	Kg/ML	SZ	HDG	SS316L
41 universal channel	6	1.89	114193	214193	614193

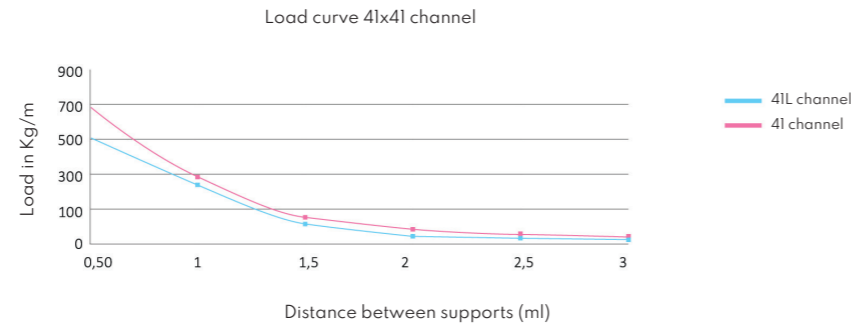
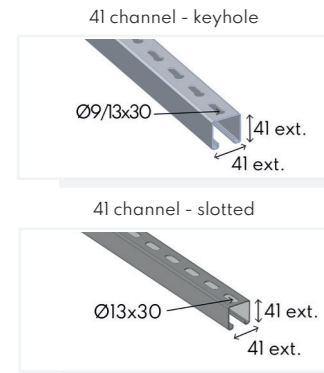


## Heavy channel range

### 41x41 channel

Other lengths on request.  
Secure with the 41 plastic end cap.

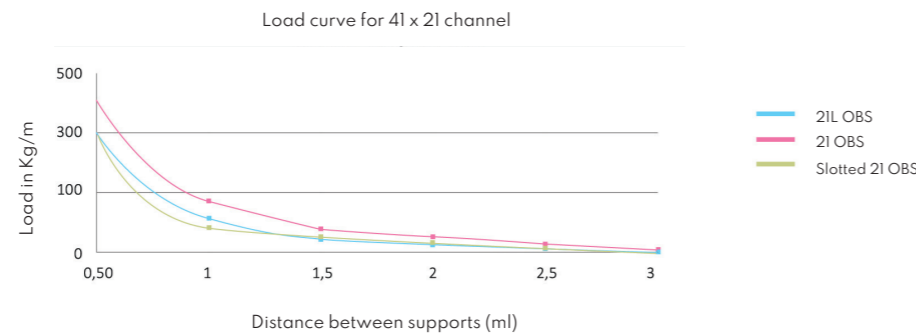
	Pack. ML	Perforations	Th. MM	Kg/ML	SZ	HDG	SS304L	SS316L	Magnelis®
41L channel - 3M	6	Keyhole	2.00	1.80	114163	214163	414163	614163	M-114163
41 channel - 3M		Keyhole	2.50	2.40	114113	214113	-	-	M-114113
Slotted 41L channel - 3m	6	Slotted hole	2.00	1.75	114173	-	-	-	-
Slotted 41 channel - 6m	12	Slotted hole	2.50	2.36	114116	214116	-	-	-



### 41x21 channel

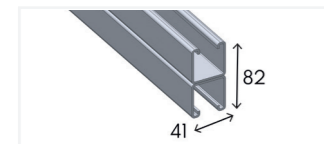
3 meters.  
Other lengths on request.  
Secure with the 21 plastic end cap.

	Pack. ML	Perforations	Th. MM	Kg/ML	SZ	HDG	SS304L	SS316L	Magnelis®
OBS 21L	6	Keyhole	2.00	1.24	112163	212163	412163	612163	M-112163
OBS 21		Keyhole	2.50	1.75	112113	212113	-	-	M-112113
Slotted OBS 21L		Slotted hole	2.00	1.20	112173	212173	-	-	-



### 41 x 41 double channel

Other lengths on request.  
Secure with the 41 plastic end cap.



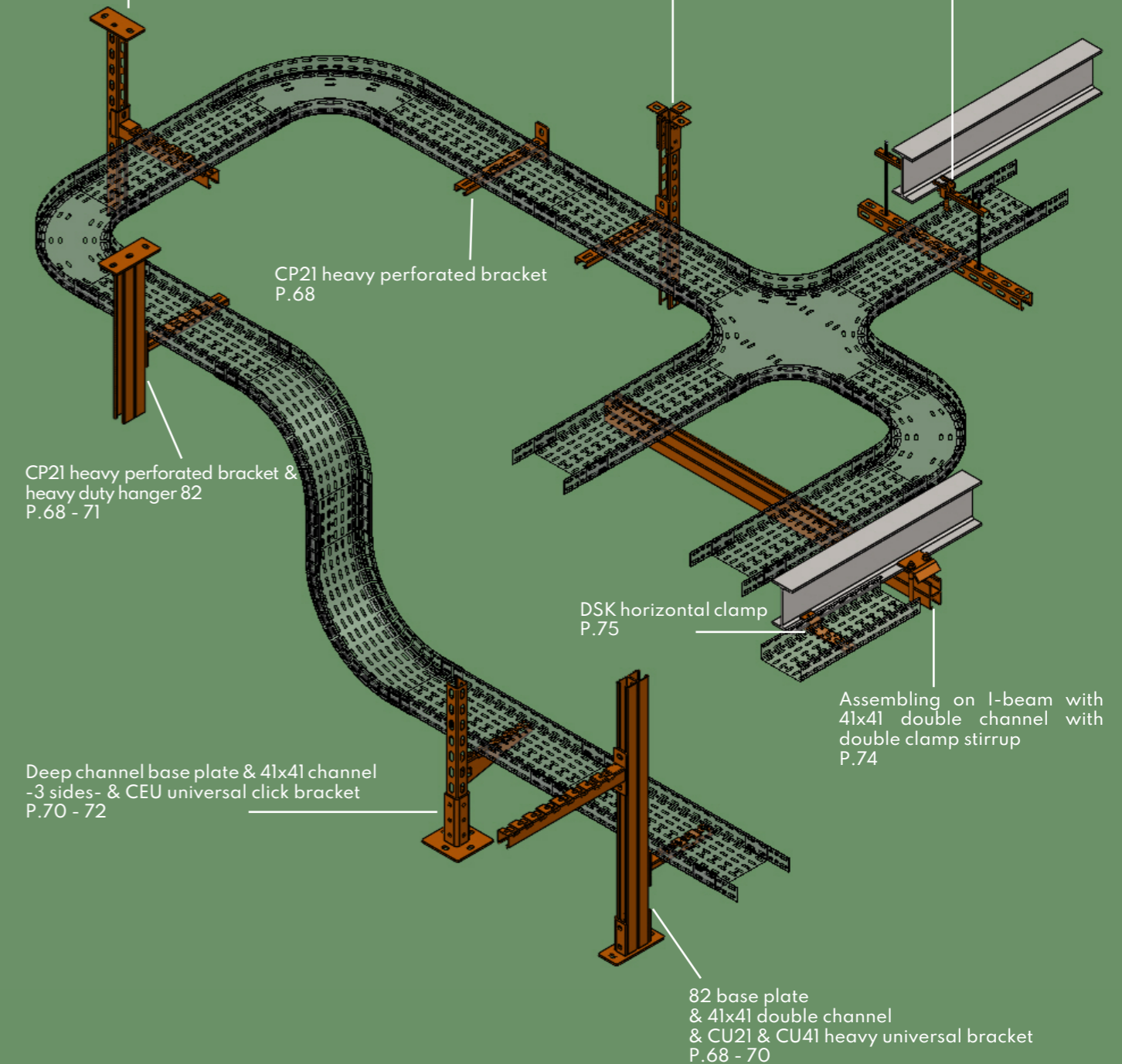
	Pack. ML	Height. MM	Width. MM	Th. MM	Kg/ML	SZ	HDG	SS316L
41x41D channel -3M	6	82	41	2.50	5.26	118203	218203	618203*
41x41D channel -6M	12			2.50	5.26	118206	218206	-
41 black end cap	10 P	-	-	-	0.70/%	994141	-	-

\*618203- thickness 2mm

41 ceiling bracket - perforated 3 sides with rectangular plate & DTCU 41 heavy universal bracket P.71 - 73

41 automatic base channel - 3 sides & 4x41 channel - 3 sides & CP21 heavy perforated bracket. P.68 - 70 - 72

Assembling with fixing channel. P.75

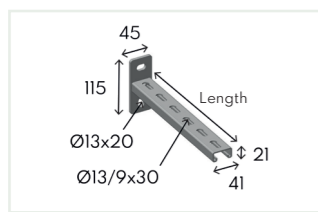


The essentials in **RED** and **BLACK** : Products available on stock  
References in **GREEN** : Products on request.

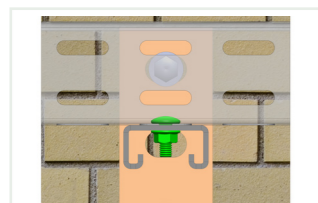
### CP21 heavy perforated brackets



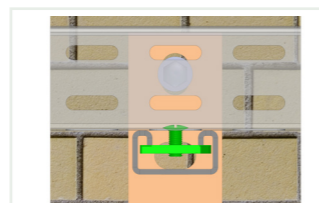
#### CP<sub>21</sub>



	Pack. P	Length. MM	Load da/N	Kg/P	EZ	HDG	SS316L
CP 21 150	5	150	250	0.41	742115	242115	642115
CP 21 200		200	180	0.48	742120	242120	642120
CP 21 300		300	130	0.62	742130	242130	642130
CP 21 400		400	100	0.74	742140	242140	642140



Assembling of a cable tray on CP21 bracket or channel «opening to the bottom». Provide 6x16 TRCC bolts.

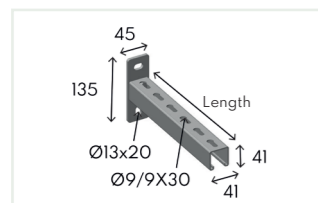


Assembling of a cable tray on CP21 bracket or channel «opening to the top». Provide 6x16 TRL screws and M6 channel nuts.

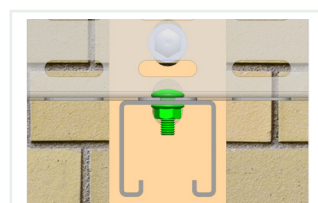
### CP41 heavy perforated brackets



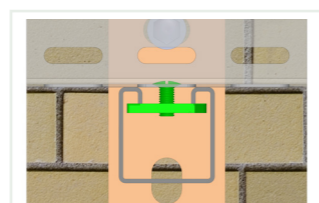
#### CP<sub>41</sub>



	Pack. P	Length. MM	Load da/N	Kg/P	EZ	HDG	SS316L
CP 41 200	5	200	400	0.67	744120	244120	644120
CP 41 300		300	340	0.89	744130	244130	644130
CP 41 400		400	270	1.10	744140	244140	644140
CP 41 450		450	260	1.20	744145	-	-
CP 41 500		500	250	1.30	744150	244150	644150
CP 41 600		600	220	1.47	744160	244160	644160
CP 41 750		750	190	1.80	744175	-	-
CP 41 800		800	170	1.94	744180	244180	-
CP 41 1000		1000	130	2.35	744100	-	-



Assembling of a cable tray on CP41 bracket or channel «opening to the bottom». Provide 6x16 TRCC bolts.

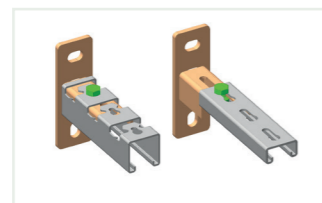
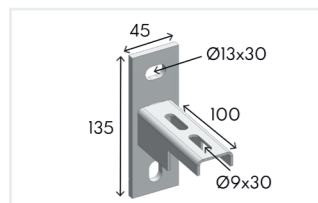


Assembling of a cable tray on CP41 bracket or channel «opening to the top». Provide 6x16 TRL screws and M6 channel nuts.

### 21 - 41 inside channel base



Assembling with 41x41 and 41x21 channel



	Pack. P	Kg/P	EZ	HDG
SI 21 41	5	1.00	764650	264650

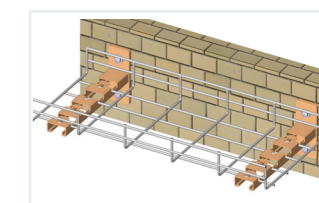
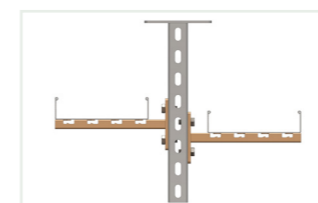
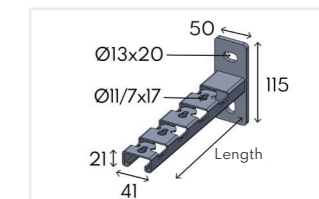
### CU21 reinforced universal brackets



Compatible with wire and perforated cable trays.  
For wire cable trays : fold down the tabs.  
For perforated cable trays : provide two 6x16 TRCC bolts.

#### CU<sub>21</sub>

	Pack. P	Length. MM	Load da/N	Kg/P	EZ	HDG
CU 21 150	5	180	102	0.41	143116	243116
CU 21 200		230	61	0.46	143121	-

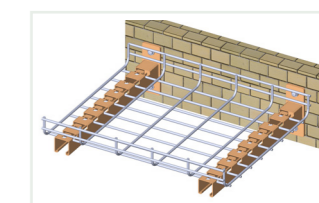
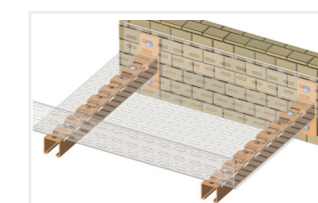
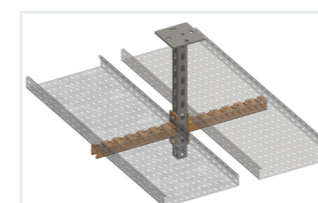
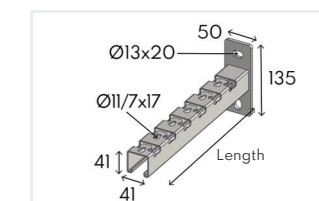


### CU41 reinforced universal brackets

Compatible with wire and perforated cable trays.  
For wire cable trays : fold down the tabs.  
For perforated cable trays : provide two 6x16 TRCC bolts.

#### CU<sub>41</sub>

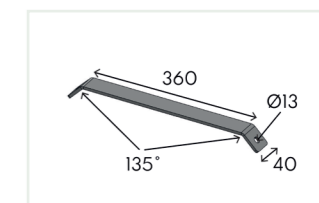
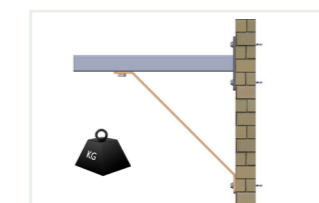
	Pack. P	Length. MM	Load da/N	Kg/P	EZ	HDG
CU 41 300	5	330	225	0.86	145131	245131
CU 41 400		430	191	1.05	145141	245141
CU 41 500		530	144	1.25	145151	245151
CU 41 600		630	109	1.36	145161	245161



### Reinforcement

The support is used to take up the load when the load is at the end of the bracket.  
Provide M8 channel nut and one 8x20 HM screw per support.

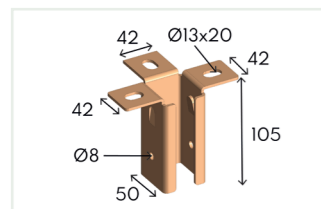
	Pack. P	Length. MM	Kg/P	HDG
RF 41	5	360	0.89	244000



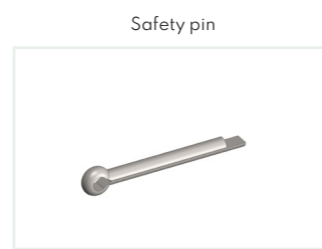
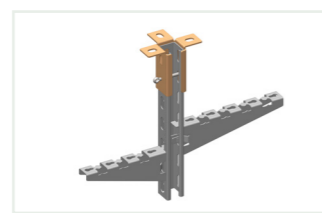
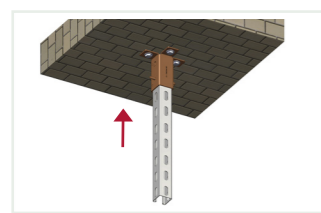
## Base plates

### Automatic channel base plate

Compatible with 41x41 channel - 3 sides.  
For ceiling bracket with a maximum height of 800 mm.

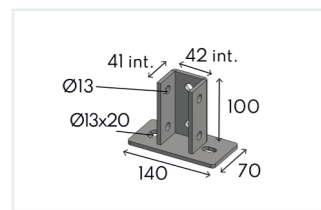


	Pack. P	Kg/P	SZ	HDG	SS316L
41 automatic channel base plate	5	0.47	164500	264600	664600



### 41 channel base plate

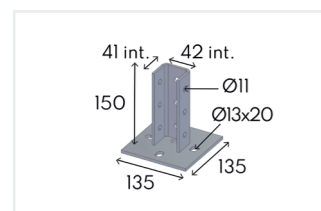
Allows to attach 21 or 41 channel.



	Pack. P	Kg/P	EZ	HDG	SS316L
41 channel base plate	5	0.91	764610	264610	664610

### 41 deep base plate

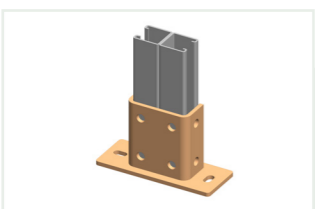
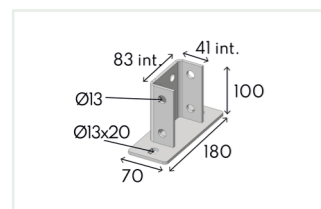
Allows to attach 21 or 41 channel.  
Allows the maintenance of large ceiling bracket heights and a better adjustment of the altimetry.



	Pack. P	Kg/P	HDG
41 GH base plate	5	1.79	264620

### 82 channel base plate

Allows to attach double 41x41 channel.



	Pack. P	Kg/P	EZ	HDG	SS316L
Double base plate	5	1.28	764200	264200	664200

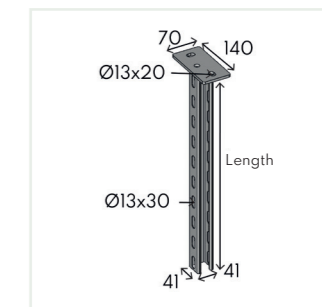
## P41 ceiling bracket - perforated 3 sides

with rectangle plate

Compatible with CEU : universal click bracket.  
Stainless steel on request.

### PR413F

	Pack. P	Length. MM	Load da/N	Kg/P	EZ	HDG
PR41 3F - 300	2	300	80	0.93	149232	-
PR41 3F - 400		400		1.09	149242	249242
PR41 3F - 500		500		1.25	149252	249252
PR41 3F - 600		600		1.40	149262	249262
PR41 3F - 700		700		1.55	149272	-
PR41 3F - 800		800		1.72	149282	249282
PR41 3F - 1000		1000		2.03	149102	249102
PR41 3F - 1250		1250		2.43	149122	-
PR41 3F - 1500		1500		3.39	149152	249152
PR41 3F - 2000		2000		3.60	149202	249202

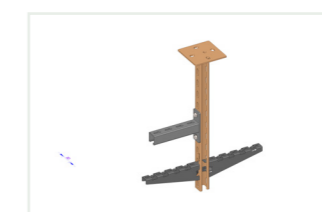
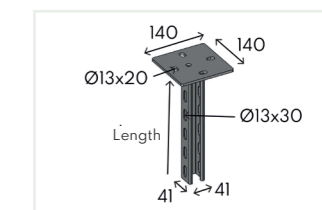


with square plate

Compatible with CEU : universal click bracket.  
Stainless steel on request.

### P413F

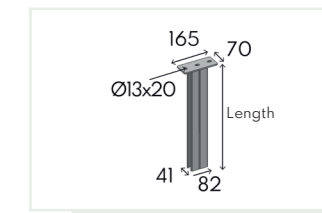
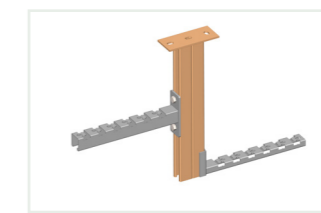
	Pack. P	Length. MM	Load da/N	Kg/P	EZ	HDG
P 41 3F - 300	2	300	80	1.38	146232	-
P 41 3F - 400		400		1.53	146242	246242
P 41 3F - 500		500		1.76	146252	246252
P 41 3F - 600		600		1.86	146262	246262
P 41 3F - 800		800		2.18	146282	246282
P 41 3F - 1000		1000		2.50	146102	246102
P 41 3F - 1250		1250		2.89	146122	-
P 41 3F - 1500		1500		3.29	146152	246152
P 41 3F - 2000		2000		4.08	146202	246202



## P82 back to back ceiling brackets

SS304L, SS316L on request

	Pack. P	Length. MM	Kg/P	HDG
P82 500	2	500	2.40	248250
P82 600		600	3.70	248260
P82 800		800	4.70	248280
P82 1000		1000	4.86	248210
P82 1500		1500	7.50	248215
P82 2000		2000	9.00	248200

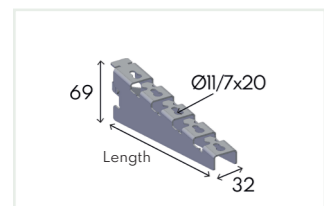


## P41 ceiling bracket - perforated 3 sides

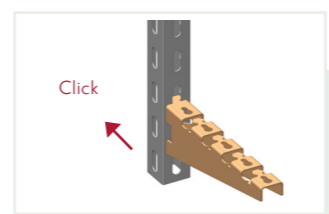
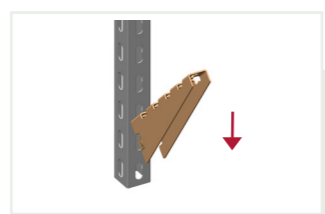
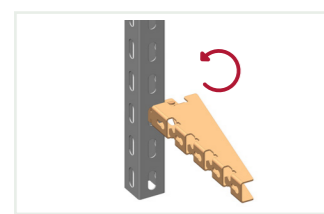
### Universal click brackets

**CEU**

Compatible with wire and perforated cable trays.  
For wire cable trays : assembling only with 41 channel with slotted holes.  
For perforated cable trays : assembling without bolt, with double locking.



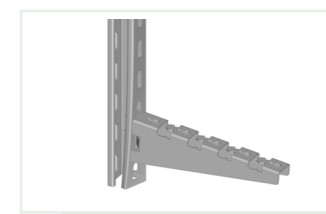
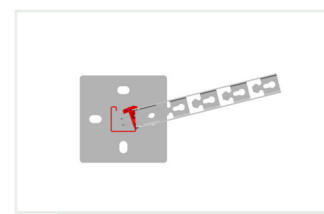
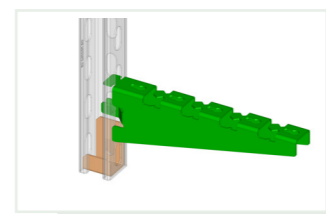
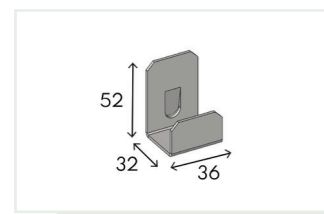
	Pack. P	Length. MM	Load da/N	Kg/P	SZ	HDG	SS316L
CEU 100	5	140	130	0.16	158010	258010	658016
CEU 150		190	120	0.16	158015	258015	-
CEU 200		240	100	0.38	158020	258020	658026
CEU 300		340	95	0.45	158030	258030	658036
CEU 400		440	90	0.60	158040	258040	658046
CEU 500		540	85	0.75	158050	258050	658056



To secure the bracket to the channel, make a 90° turn and then fold down to lock the assembling.

### CETA wedge - anti crushing

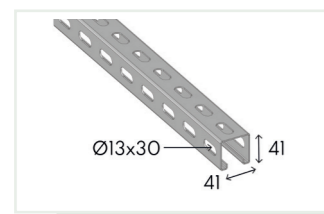
Use the CETA wedge to prevent the channel from closing during assembling of a large bracket.  
Caution : without CETA wedge, risk of crushing.



	Pack. P	Kg/P	SZ
CETA wedge	20	0.05	T158200

### 41x41 channel - 3 sides

3 meters.  
Other lengths on request.  
Secure with the 41 plastic end cap.



	Pack. ML	Th. MM	Kg/ML	SZ	HDG	SS316L
3S 41 OBS channel	6	2	1.65	114183	214183	614183

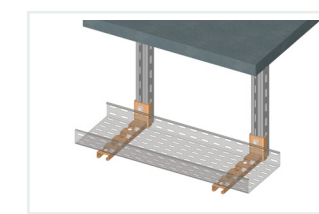
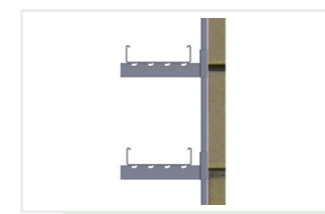
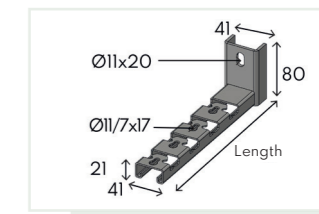
## Brackets for ceiling brackets

### DTCU 21 reinforced universal brackets

Compatible with wire and perforated cable trays.  
Can be fixed on a 21, 41 or 82 channel.  
Secure with the 21 plastic end cap.

**DTCU 21**

	Pack. P	Length. MM	Load da/N	Kg/P	EZ	HDG
DTCU 21 150	5	180	102	0.40	141116	241116
DTCU 21 200		230	61	0.46	141121	241121

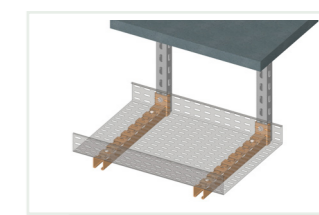
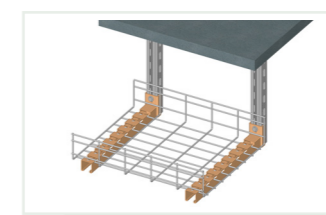
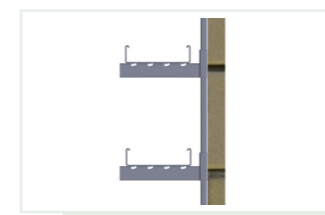
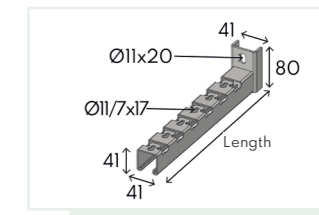


### DTCU 41 reinforced universal brackets

Compatible with wire and perforated cable trays.  
Can be fixed on a 21, 41 or 82 channel.  
Secure with the 41 plastic end cap.

**DTCU 41**

	Pack. P	Length. MM	Load da/N	Kg/P	EZ	HDG
DTCU 41 300	5	330	225	0.76	144131	244132
DTCU 41 400		430	191	0.97	144141	244142
DTCU 41 500		530	144	1.43	144151	244152
DTCU 41 600		630	109	1.69	144161	244162



### The advantages of DTCU :

- One fixing point : 1 screw
- A U-shaped heel to prevent the bracket from rotating
- Reduced clutter due to low heel height

## Fixing on beam structure

### Clamps

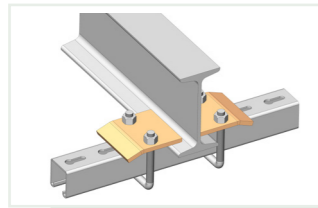


	Pack. P	Kg/P	EZ	HDG	SS316L
MIO single stirrup clamp	4	0.43	764740	264740	664740
MIO double stirrup clamp		0.47	764730	264730	664730
End clamp	25	0.08	-	264750	664770
Ø9 clamp for threaded rod	10	0.08	764760	-	664760
Ø11 clamp for threaded rod		0.14	764763	-	-

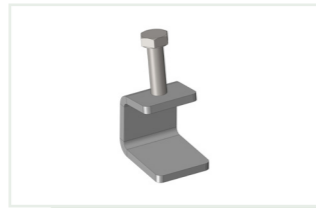
Stirrup clamp



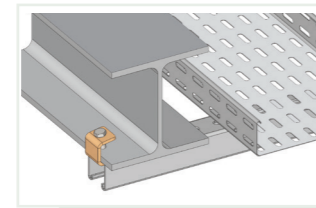
Assembling with a stirrup clamp



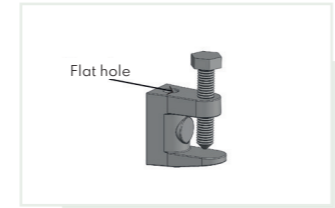
End clamp with 8x40 needle screw



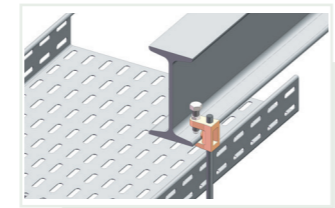
Assembling with an end clamp



Clamp for threaded rod with 8x40 needle screw



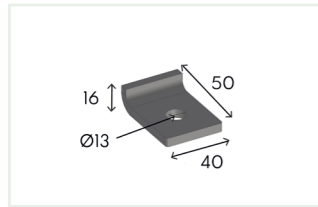
Assembling with a clamp for threaded rod



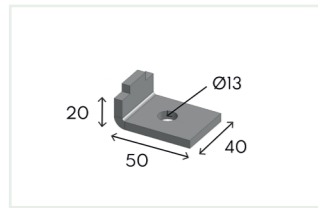
### Clamps and adjustable ceiling plate

	Pack. P	Kg/P	EZ	HDG	SS316L
50x10 clamp	25	0.14	764510	264510	664510
Universal clamp		0.13	-	264500	664500
Bolt-on clamp	25	0.11	-	264710	664710
Adjustable ceiling plate	4	0.36	112000	-	-
10x40 HM screw	100	3.40/%	931040	231040	631040
10 channel nut		3.20/%	930410	230410	630410
10 flat washer		0.75/%	930210	230210	630210

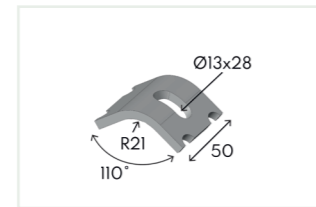
50x10 clamp



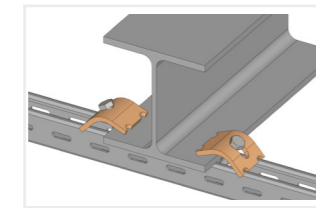
Bolt-on clamp



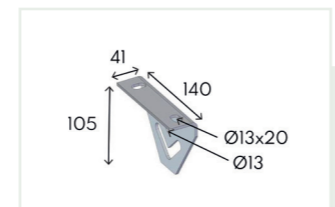
Universal clamp



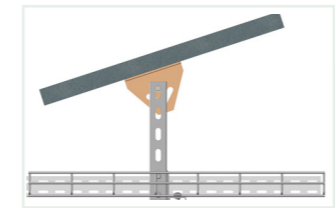
Assembling with universal clamp



Adjustable ceiling plate



Assembling with adjustable ceiling plate



## Fixing on beam structure

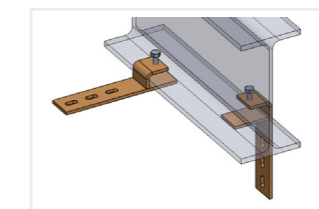
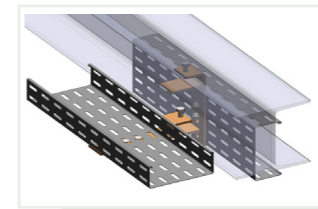
### DSK clamp - Vertical and horizontal

Attached on a beam (U, H and I shapes).  
Provided with the 8x30 HM needle screw.

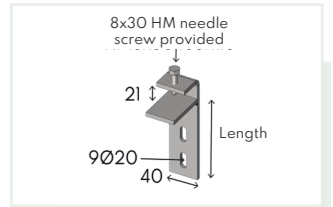
**DSK**



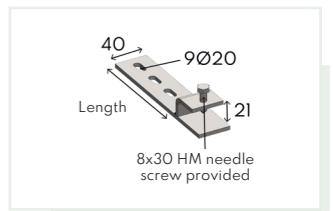
	Pack. P	L. MM	Kg/P	HDG
DSK 132 Vertical	4	101	0.39	264932
DSK 166 Vertical		135	0.43	264966
DSK 153 Horizontal		101	0.37	264953
DSK 187 Horizontal		135	0.42	264987



DSK vertical clamp



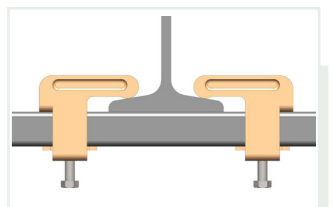
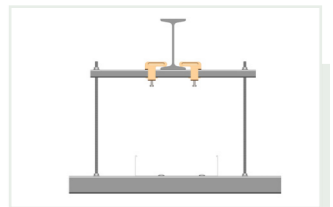
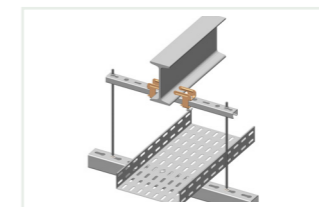
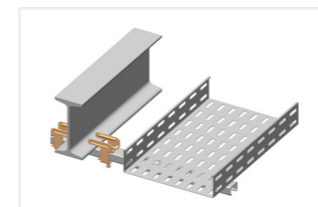
DSK horizontal clamp



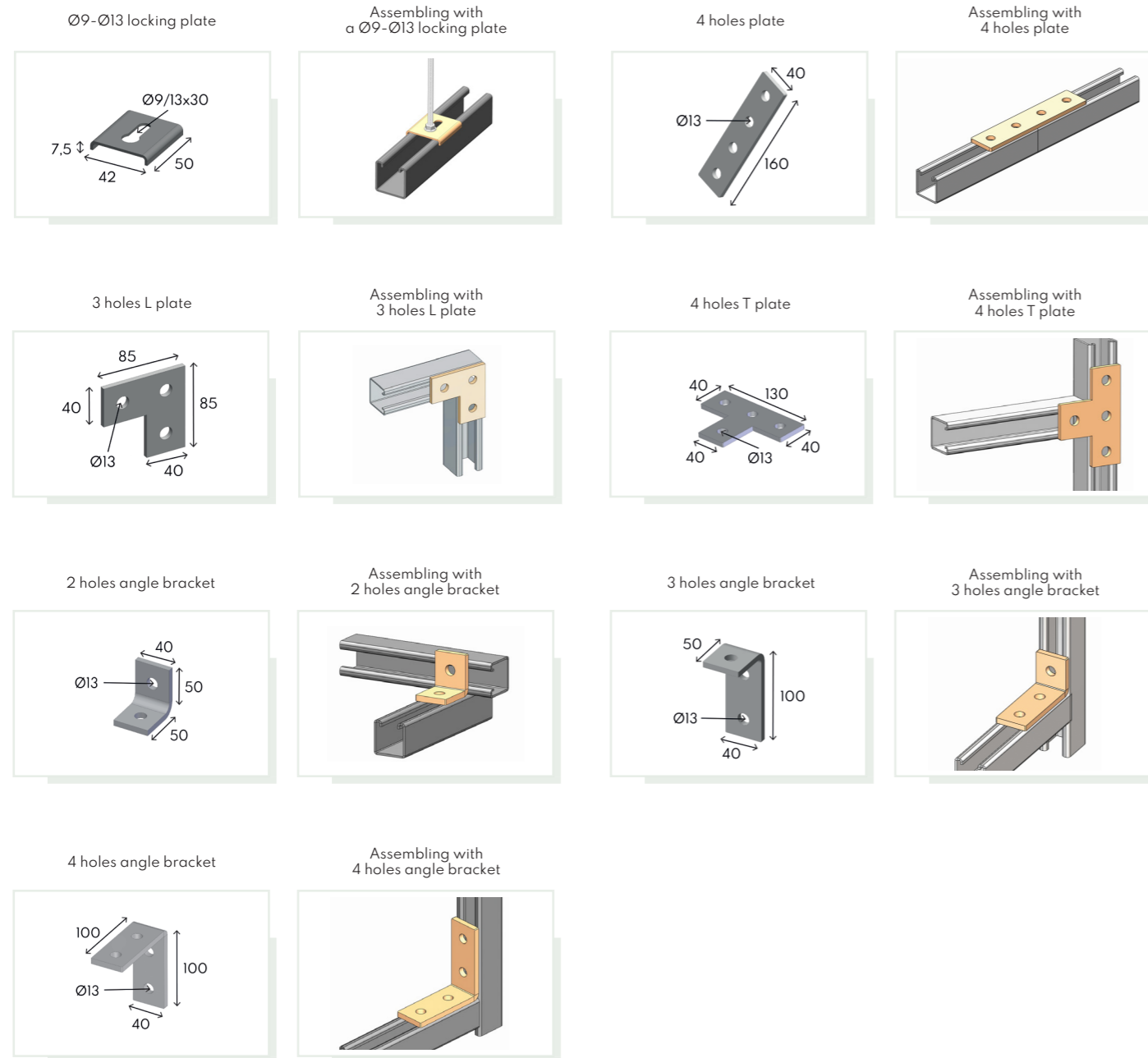
### Fixing channel

Provided with 2 clamps

	Pack. P	L. MM	Clamping Th. MM	Load da/N	Kg/P	EZ
400 fixing channel	4	400	1 à 11	80	0.28	764840
600 fixing channel		600	1 à 15	65	0.82	764860

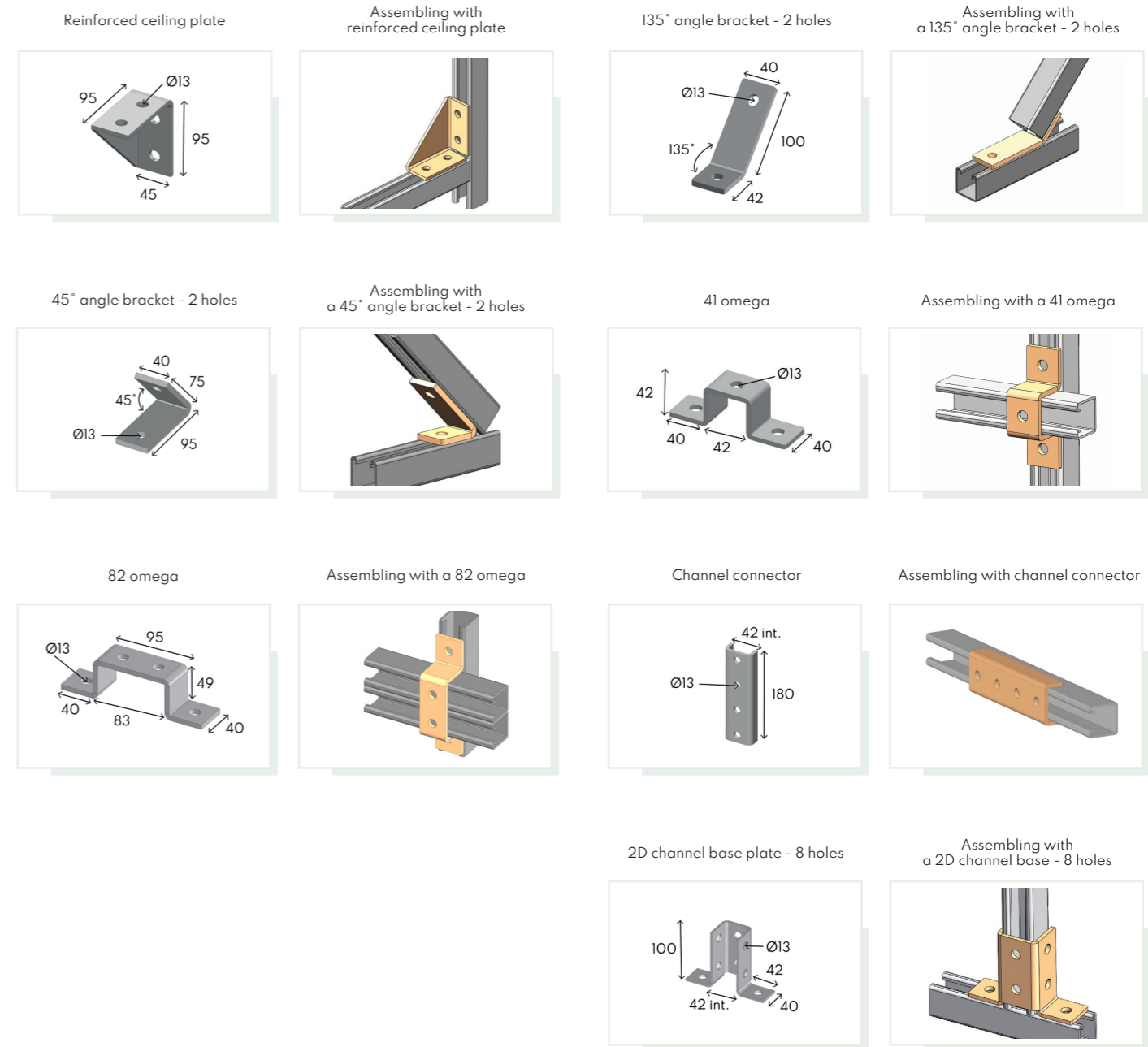


## Channel fittings



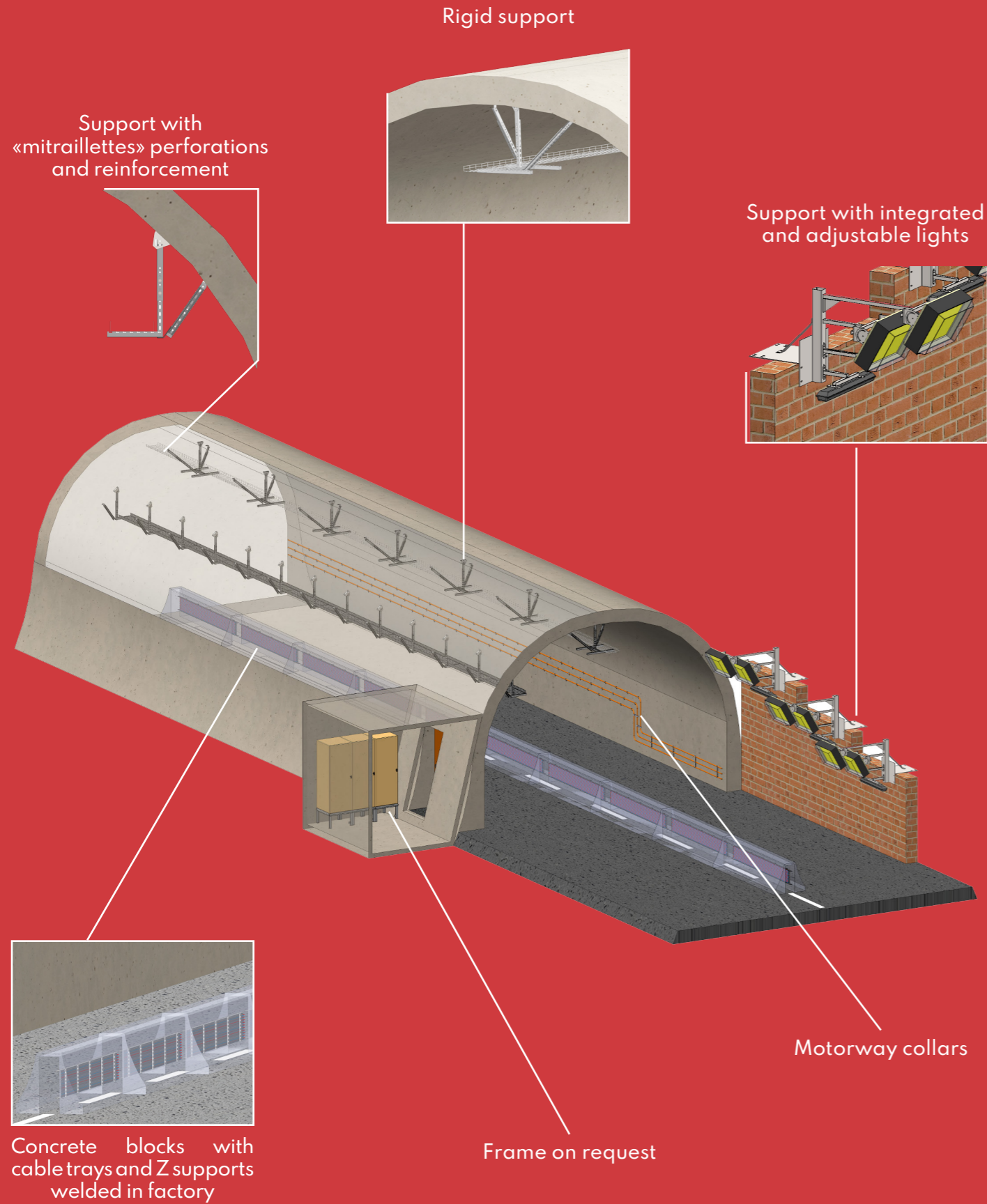
	Pack. P	Kg/P	EZ	HDG	SS316L
Ø9-Ø13 locking plate	10	0.08	-	264010	664002
Ø13 4 holes plate		0.30	-	264040	664040
Ø13 3 holes L plate		0.25	-	264235	664235
Ø13 4 holes L plate		0.30	-	264140	664140
Ø13 2 holes angle bracket	10	0.15	764220	264220	664220
Ø13 3 holes angle bracket		0.20	-	264230	664230
Ø13 4 holes angle bracket		0.28	764240	264240	664240

## Channel fittings



	Pack. P	Kg/P	EZ	HDG	SS316L
Reinforced base plate	10	0.39	764250	264250	664250
135° angle bracket - 2 holes	10	0.30	-	264221	664221
45° angle bracket - 2 holes		0.30	-	264245	664245
41 omega	10	0.33	-	264541	664541
82 omega		0.35	-	264582	-
Channel connector	5	0.72	764340	264340	664340
2D channel base - 8 holes	5	0.50	-	264160	664160

# Tailor-made manufacturing



# Tailor-made manufacturing

“ « Our customers, our greatest source of inspiration » ”



Curved channel with inclined hooks by OB Profils





## RATP supports - Subway - Tramway

### Curved support

For the installation of cable trays in these infrastructures, 3 models of supports have been standardized, used on the French capital subway lines and for the «Grand Paris Express» project.



In order to fit the segments of the tunnels, we have designed a curved channel adapted to your radii for your railway worksites.

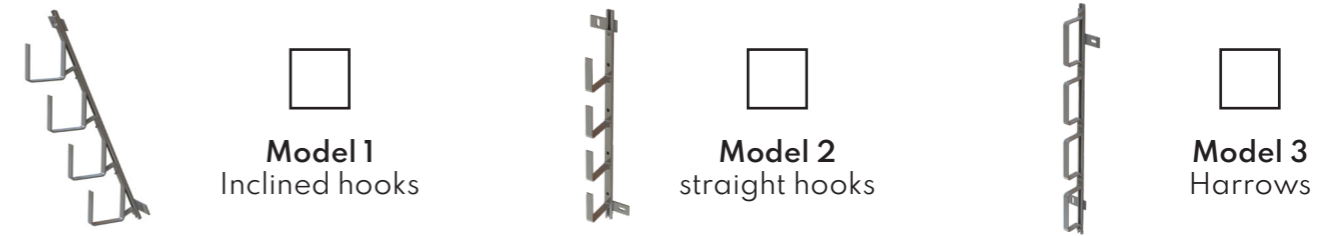
### Motorway collar



	Number of pieces	Ø mm	EZ	80µ HDG	SS316L
Single collar - 10	100	10	-	COG 10	COI 10
Single collar - 11		11	-	COG 11	COI 11
Single collar - 13		13	-	COG 13	COI 13
Single collar - 14		14	-	COG 14	COI 14
Single collar - 16		16	-	-	COI 16
Single collar - 19		19	-	COG 19	COI 19
Double collar - 19		19	-	-	COI 19D
Single collar - 22		22	-	COG 22	COI 22
Single collar - 23		23	-	COG 23	COI 23
Single collar - 24		24	COG 24 B	COG 24	COI 24
Single collar - 25		25	-	-	COI 25
Single collar - 26		26	-	-	COI 26
Single collar - 27		27	-	COG 27	COI 27
Single collar - 28		28	-	-	COI 28
Single collar - 32		32	COG 32 B	COG 32	-
Single collar - 35		35	-	COG 35	-
Single collar - 38		38	-	COG 38	-
Single collar - 42		42	-	COG 42	COI 42
Single collar - 46		46	-	COG 46	-

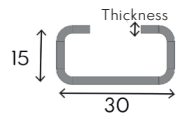
## RATP supports with hooks and harrows

### 1°) Choose your model

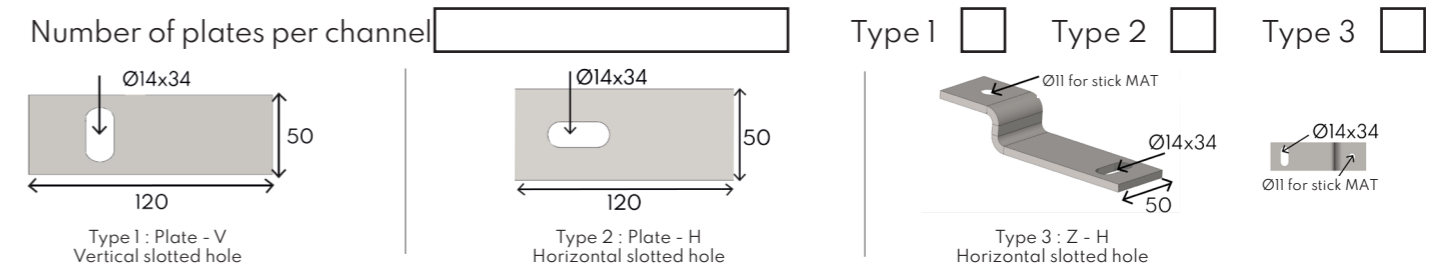


### 2°) Specify the channel length and thickness

Length - mm	
2 mm thickness	
2,5 mm thickness	



### 3°) Specify the type of plate and the quantity per channel



### 4°) Specify the type of plate and the quantity per channel



### 5°) Specify the type of straight hooks and the number

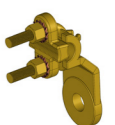
Straight hooks	Number of channel	Straight hooks	Number of channel
120x120 hooks		200x200 hooks	
120x150 hooks		240x240 hooks	
150x150 hooks		240x150 hooks	

### 6°) Specify the type of harrows and the number

Harrows	Number of channel	Harrows	Number of channel
150x100 harrows		200x100 harrows	
150x150 harrows		200x150 hooks	
150x200 harrows		200x200 harrows	

### 7°) Specify if you want a lug

With lug  Without lug

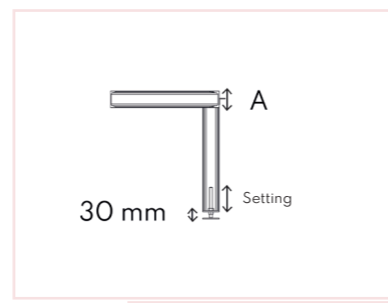
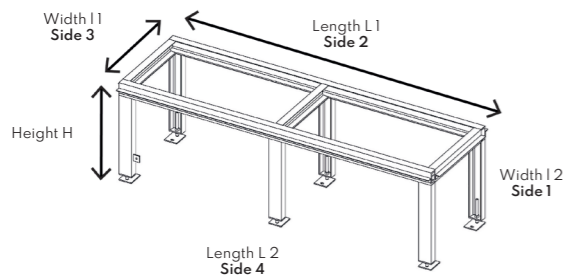
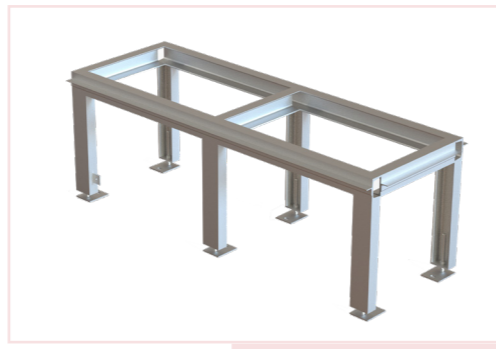


## Cabinet frame

Find our form in PDF on [www.ob-profls.com](http://www.ob-profls.com)

We make electrical cabinet frames according to your dimensions. They can be pre-assembled in factory, reducing installation time or assembled on site.

Our design office will provide you with customized plans and a quotation complying with your requirements.



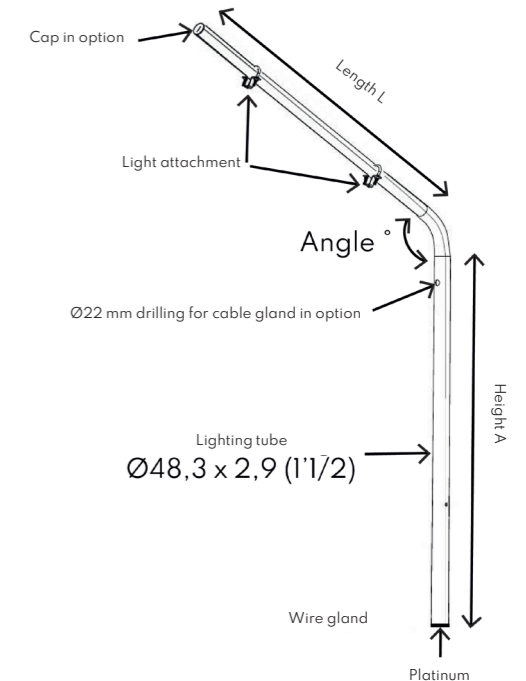
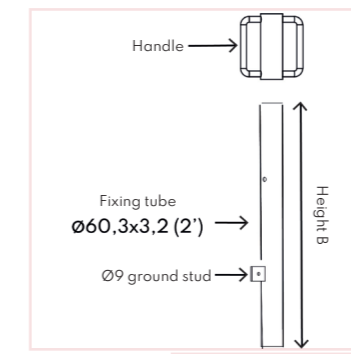
Length L (mm)					
Width I (mm)					
Height H (mm)					
Thickness of raised floor A (mm)					
Number of feet					
Number of additionnal crossbars					
Desired spacing between crossbars					
Setting in Height +/- (mm) 30 mm minimum					
Maximum supported load (kg)					
Peripheral angle welded to the side	Side 1	Side 2	Side 3	Side 4	
Cylindrical perforation top side	No	Yes	Quantité :		
Earth connection	Yes		No		
Finish	Raw	HDG	Epoxy specify RAL	SS304L	SS316L

## Lighting mast

Find our form in PDF on [www.ob-profls.com](http://www.ob-profls.com)

The lighting mast can be equipped with an adjustable mast, an U for padding and a chain lock.

- Optional :
- Cap
  - Drilling for wire passage
  - Hanging system



	Single lighting mast			Double lighting mast		
Length L (mm)						
Omega for fixing light	Yes	No		Yes	No	
Height A lighting tube (mm)						
Height B fixing tube (mm)	/					
Angle (°)						
Plastic cap	Yes	No		Yes	No	
Drilling for cable gland	Yes	No		Yes	No	
Handle	/			Yes	No	
Fixing	Rembordé avec étrier	Wall	Floor	Rembordé avec étrier	Wall	Floor
Stirrup	Quantity :			Quantity :		
Finish	Hot Dip Galvanized	SS304L	SS316L	Hot Dip Galvanized	SS304L	SS316L



## Steel wire hangers



Dark + finish on request

Suspension rope



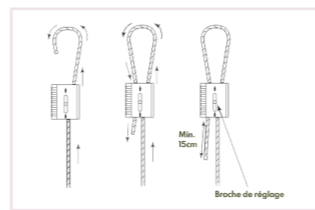
Cable reel



OBAR attachment



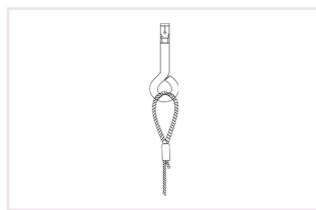
OBAR assembling



Loop\*



Concrete loop\*



Strut lock - SLM



Strut lock - Quick assembly on channel by suspension



	Pack. P	Load da/N	Kg /P	EZ
OBAR2 attachment	10	50	0.02	OBAR2
Cable reel Ø2 x100 ML	1	50	1.80	OBBC100
OBAR3 attachment	10	120	0.05	OBAR3
Cable reel Ø3 x100 ML	1	120	3.80	OBBD150
Suspension rope 2 x 460 mm	10	50	0.05	OBFS460
SLM- M8 loop -3M	10	45	0.09	SLM8EB3M*
SLM- M8 loop -5M		45	0.14	SLM8EB5M*
SLM- M8 concrete loop -5M		45	0.13	SLM8BE5M*
SLM- MIO concrete loop -5M	10	90	0.16	SLMIOEB5M*
SLM - M8 strut lock		45	0.04	SLM8
SLM - MIO strut lock		90	0.06	SLMIO

Ask for the complete brochure for steel wire hangers.  
\* Supplied with 1 strut lock, 1 suspension rope and OBAR2 attachment.

## Brass ankles



	Pack. P	Dim.	Kg/%	Brass
CL6 - M6 brass ankles - %	200	6X28	0.47	L623
CL8 - M8 brass ankles - %	100	8X30	0.79	L828

## Expansion anchors



	Pack. P	Dim.	Kg/%	EZ	SS304L
GAE M8	100	8X60	2.78	G30855	G130855
GAE M10		10X70	2.32	G31065	G131065

## TRCC Bolts

	Pack. P	Kg/%	EZ	Geomet	SS316L
6x12 TRCC bolt	100	0.83	960612	260612	660612
6x16 TRCC bolt		0.90	960616	260616	-
6x20 TRCC bolt		0.97	960620	260620	660620
6x30 TRCC bolt		1.12	960630	260630	-
8x15 TRCC bolt		2.12	960815	260815	-



## TRL screws

	Pack. P	Kg/%	EZ	Geomet	SS316L
6x16 TRL screw	100	0.40	931616V	231616V	631616V
6x30 TRL screw		0.75	931630V	231630V	631630V



## Threaded rods

Possibility to order the threaded rods in 2 ml or 3 ml.  
It is necessary to add -2 or -3 at the end of part number. Ex : TF M6 in I316L of 3 ML = 630306-3

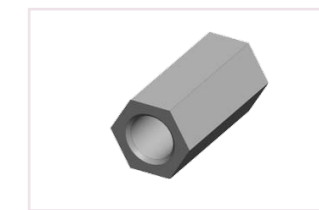
	Pack. P	Kg/ML	EZ	EZ HR*	SS316L
TF M6	1	0.17	930306	930306HR	630306
TF M8		0.23	930308	930308HR	630308
TF M10		0.50	930310	930310HR	630310

\* EZ HR : High Resistance



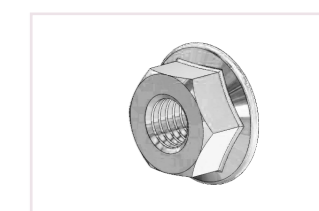
## Threaded connectors

	Pack. P	Kg/%	EZ	SS316L
MA 6	200	1.42	930306M	630306M
MA 8	100	1.29	930308M	630308M



## Flange nuts

	Pack. P	Kg/%	EZ	Geomet	SS316L
M6 FLANGE NUT	100	0.33	930106	230106	630106
M8 FLANGE NUT		0.65	930108	230108	630108
M10 FLANGE NUT		1.14	930110	230110	-

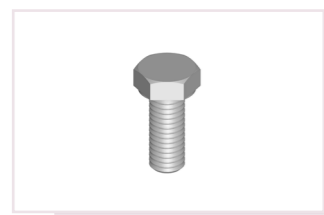


## Cotter pin

	Pack. P	Kg/%	EZ
Cotter pin 8x80	100	4.00	980880

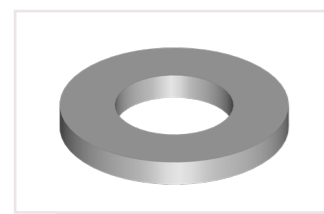


## HM Screw



	Pack. P	Kg/%	EZ	Geomet	SS316L
8x20 HM screw	100	1.23	930820	230820	630820
8x40 HM screw		1.83	930840	230840	630840
10x25 HM screw		2.37	931025	231025	631025
10x40 HM screw		3.23	931040	231040	631040
12x25 HM screw		3.39	931225	231225	631225

## Large flat washers



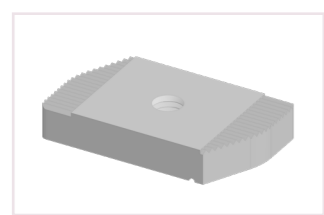
	Pack. P	Ext. diameter	Kg/%	EZ	Geomet	SS316L
Flat washer 6	100	Ø18	0.20	930206	230206	630206
Flat washer 8		Ø22	0.37	930208	230208	630208
Flat washer 10		Ø27	0.74	930210	230210	630210
Flat washer 12		Ø32	1.29	930212	230212	630212

## Ø40 Extra large flat washers - Th. 3mm



	Pack. P	Ext. diameter	Kg/%	EZ
Extra large flat washer 8	100	Ø40	2.57	930208E
Extra large flat washer 10			2.80	930210E

## Channel nuts



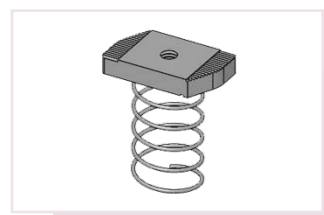
	Pack. P	Kg/%	EZ	Geomet	SS316L
M6 channel nut	100	2.70	930406	230406	630406
M8 channel nut		2.60	930408	230408	630408
M10 channel nut		3.30	930410	230410	630410
M12 channel nut		3.80	930412	230412	630412

## Channel nuts - short spring for 41x21 channel



	Pack. P	Kg/%	EZ
M6 channel nut PR	100	2.40	930406PR
M8 channel nut PR		2.90	930408PR

## Channel nuts - long spring for 41x41 channel



	Pack. P	Kg/%	EZ	Geomet
M6 channel nut GR	100	2.80	930406GR	-
M8 channel nut GR		2.70	930408GR	-
M10 channel nut GR		3.50	930410GR	230410GR
M12 channel nut GR		4.50	930412GR	-

## End caps

	Pack. P	Kg/%	Plastic
2l black end cap	10	0.40	99412l
4l black end cap		0.70	99414l



## BCPA & BPPA plastic end cap

Allows to secure sharp ends of channels.  
BCPA cap is compatible with RPA channels, CPA and CCA brackets.  
BPPA cap is compatible with PPA ceiling bracket.

	Pack. P	Kg/%	Plastic
BCPA	10	0.01	958000
BPPA		0.01	959000

BCPA plastic end cap



BPPA plastic end cap



## Cable protection

5 ml ring of cable protection

	Pack. P	Kg/%	Plastic
Reinforced ring for sheet metal flanges	1	0.56	950004



## Sprays

	Pack. P	Sprays
Galva spray	1	940000
Color spray	6	94 xxxx *

To choose the colour of the spray: \*part number 94 + RAL (p.93). Put : M (Mat) or B (Glossy) at the end

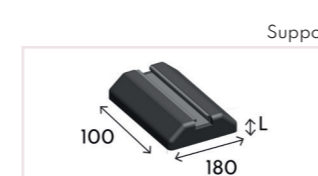
→ Ex: Ral 9010 Réf : 949010M



## Rooftop supports

Material : black vulcanized rubber, resistant to UV.  
\* Support 250-400 : recycled rubber.  
Provided without screws and bolts.

	Pack. P	Height. MM	Width. MM	Length. MM	Rubber
Support 140	2	80	140	140	ST140
Support 250		100	180	250	ST250
Support 400		100	180	400	ST400



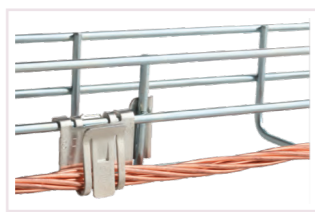
## Wire cable tray earth bonding

### OB Fix



According to NFC 15-100 standard.  
OB Fix is a clip for 16 to 35 sqmm diameter earth cable.

Assembling

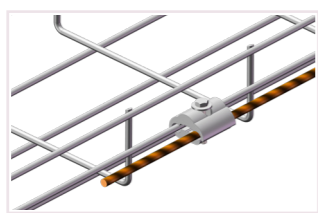


	Pack. P	Kg/P	Tin-plated copper steel
OB Fix	10	0.02	700008

### Wire mesh earth clamp

To tighten the bare copper along the wire cable tray for 16 -35 sqmm wire.

Assembling

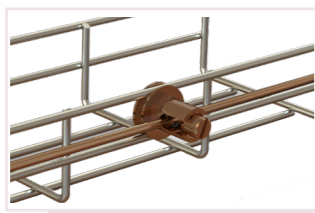
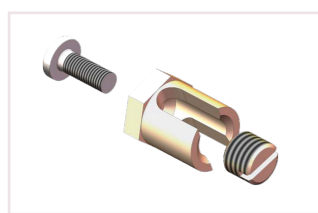


	Pack. P	Kg/P	Aluminium
Wire mesh earth clamp 35 sqmm	10	0.03	700004

### Wire earth terminal kit

Wire earth terminal kit including 1 brass earth terminal and one 6x16 TRL brass screw.  
Compatible earth cables with a diameter of 25 to 60 sqmm.  
Add 2 washer for 1 kit.  
Other dimensions on request.

Example of assembling

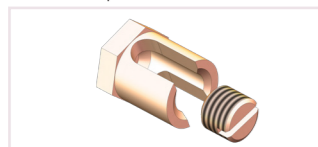


	Pack. P	Kg/P	Brass
Wire earth terminal kit 25 sqmm	10	0.03	701625
Wire earth terminal kit 35 sqmm		0.03	701635
Wire earth terminal kit 60 sqmm		0.05	701660
Bimetal washer Alu/Copper	10	0.50/%	700002

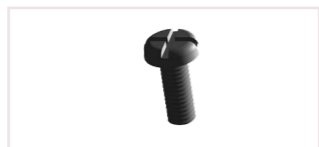
6x16 TRL is not provided with the 95 sqmm earth terminal.  
Add 2 washers per earth terminal.  
Other dimensions on request.

	Pack. P	Kg/P	Brass
95 sqmm earth terminal	10	0.70	700005
6x16 TRL screw		0.40	731616V
Bimetal washer Alu/Copper		0.50	700002

95 sqmm earth terminal



6x16 TRL screw



Bimetal washer Alu/Copper



## Cable tray earth bonding

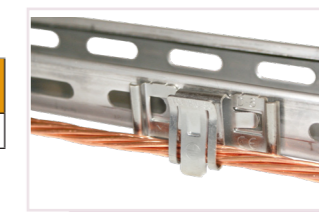
### OB Tox



According to EN 61439-1 standard.  
Compatible earth cables with a diameter of 16 to 35 sqmm.

Useful for cable tray thickness < 1.5 mm.

Assembling

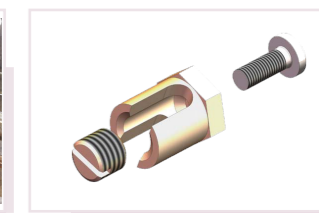
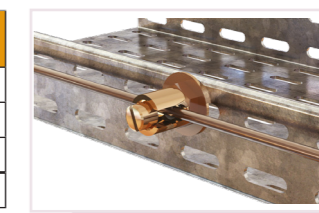


	Pack. P	Kg/P	Tin-plated copper steel
OB Tox	10	0.02	700010

### Cable tray earth terminal kit

Cable tray earth terminal kit including one 6x16 TRL brass screw.  
Compatible earth cables with a diameter of 25 to 60 sqmm.  
Add 1 washer for 1 kit.  
Other dimensions on request.

Assembling

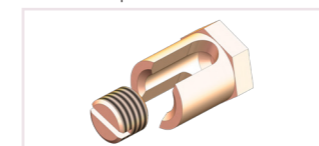


	Pack. P	Kg/P	Brass
Cable tray earth terminal kit 25 sqmm	10	0.03	701025
Cable tray earth terminal kit 35 sqmm		0.04	701035
Cable tray earth terminal kit 60 sqmm		0.05	701060
Bimetal washer Alu/Copper	10	0.50/%	700002

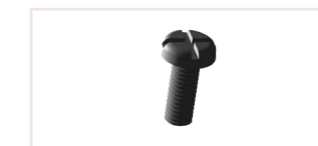
6x16 TRL is not provided with the 95 sqmm earth terminal.  
Add 1 washers per earth terminal.  
Other dimensions on request.

	Pack. P	Kg/P	Brass
95 sqmm earth terminal	10	0.70	700005
6x16 TRL screw		0.40	731616V
Bimetal washer Alu/Copper		0.50	700002

95 sqmm earth terminal



6x16 TRL screw



Bimetal washer Alu/ Copper

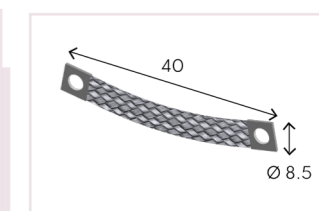
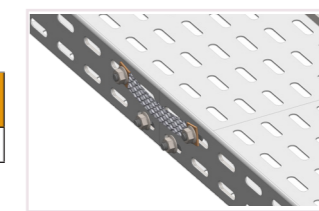


## Earthing connection

### Grounding braid

16 sqmm section.  
Other sections on request

Assembling



	Pack. P	Kg/P	Brass
Grounding braid	10	0.10	700009



## Zinc Aluminum

Zinc Aluminum wire is a coated material with 93 % of zinc and 7 % of aluminum. It provides superior properties to hot dip galvanized wire.

- Healing effects on cut.
- Resistant to 85 hours in salty area.

## Magnelis

Continuous hot dip galvanizing of coils according to NF EN 10346 standard.

- Immersion in a molten zinc and magnesium bath, thickness 25µ per side.
- Corrosion resistance superior to HDG.
- No corrosion on the thickness of the metal during perforation.
- Optimum resistance in hard and aggressive environments : 2 500 hours in salty area.
- Self-healing effect which ensures excellent edge protection up to 3 mm.

## Hot dip galvanizing

Hot dip galvanizing of steel according to the NF EN ISO 1461 standard.

- Degreasing and pickling of steel.
- Immersion in a molten zinc bath.
- 500 hours of salty area resistance.

Steel oxidises in the presence of aggressive agents more or less present in all environments (water, chlorine, salt, solid particles resulting from pollution). To avoid this oxidation, zinc is deposited in surface of the steel by immersion of pieces in a molten zinc bath.

## Geomet

- Immersion in a bath, complying with RoHS regulation.
- Constant zinc thickness
- Made of passivated zinc and aluminum, 100% without chromium.
- Without heavy metals (environment protection)
- similar resistance to corrosion to hot dip galvanizing

## Sendzimir

From Z 200 to Z 275 Sendzimir Galvanized - according to EN 10346 : 2015.

- immersion of the coils in a continuously deposited bath
- No corrosion of the metal thickness during perforation

## Electrozinc plated

Steel electrozinc plating - according to NF ISO 2081 : 2017 standard.

- pickling of the steel then plunged into electrolysis
- blue passivation finish

Electrozinc plating process consist in a zinc coating on a metallic piece with a continuous current in an electrolyte.

## Electrozinc plated High resistance

Electrozinc plating according EN 12329 standard.

- Highly corrosion resistant zinc with organo mineral finish (FOM).
- Pickling of the steel before electrolysis.
- Blue passivation finish.

## Stainless steel passivation

NF EN ISO 2516 standard.

This treatment ensures superior corrosion resistance of stainless steels by forming a protective layer of chromium oxide.

SS304L - EN 10088-2 - AISI 304L X2CrNi18-9 standard.

- The most used stainless steel, it has an excellent resistance to corrosion.
- Use in natural and food atmospheres.

SS316L - EN 10088-2 - AISI 316L - 2CrNiMo17-12-2 standard.

- Different from SS304L by the presence of molybdenum.
- Our products are degreased, stripped and passivated.

## Alu AG3

Durability : excellent resistance to oxidation  
Use : Ideal in marine environments: easy to transport and handle due to the low weight of the material.

## Epoxy

Paint coating - NF EN ISO 12944 standards

This treatment surface allows steel structures protection against corrosion by paint system.

Products are coated polyester-type thermosetting paint. So products can be installed inside and outside.

Treatment is mainly used for HDG products.

It could be for esthetism reason. Main advantages are the following :

- to identify different electrical circuits
- to add an additional protection

Main RAL codes are :

- |                |                 |
|----------------|-----------------|
| ○ White : 9010 | ● Orange : 2003 |
| ● Black : 9005 | ● Yellow : 1021 |
| ● Grey : 7035  | ● Blue : 5015   |
| ● Red : 3001   | ● Green : 6018  |

## Recommended finish according to the installation area

	EZ HR	EZ	SZ	Magnelis®	HDG	ZnAl	Geomet	SS304L	SS316L	Alu AG3	Epoxy
Inside installation : normal conditions					-	-	-	-	-	-	
Outside installation : normal conditions		-	-					-	-	-	
Outside installation : Marine, aggressive, sulphurous conditions				-	-	-	-				
Food conditions	-	-	-	-	-	-	-				-
Acid conditions				-				-		-	
Alcaline conditions				-	-	-	-			-	
Halogen conditions (fluo-chlore)				-							
Chemical conditions, nitrated explosives	-	-	-	-	-	-	-	-			-

Legend of colors :



Recommended



Not recommended

## Compatibility

Taking into account compatibility of metals is **essential to select parts** of your containment system, from cable trays to fasteners. Indeed, 2 metals in contact in a humid area can make a stack damaging surface treatment of cable trays and other parts of the system.

It is crucial to consider **finish for the whole containment system**.

Stainless steel 18-9	0	Stainless steel 18-9																	
Nickel	180	0	Nickel																
Cu-Zn-Ni alloy	200	20	0	Cu-Zn-Ni alloy															
Copper	320	140	120	0	Copper														
Cupro-aluminum	350	170	150	30	0	Cupro-aluminum													
Cu-Zn alloy (Brass)	400	220	200	80	50	0	Cu-Zn alloy (Brass)												
Cu-Sn alloy (Bronze)	520	340	320	200	170	120	0	Cu-Sn alloy (Bronze)											
All-Fe-Ni at 25% of Ni	80	500	480	360	330	280	10	0	All-Fe-Ni at 25% of Ni										
Aluminum - copper	690	510	490	370	340	290	170	10	0	Aluminum - copper									
Carbon steel	750	570	550	430	400	350	230	70	50	0	Carbon steel								
Aluminum	840	660	640	520	490	440	320	160	150	90	0	Aluminum							
Al-Mg alloy	850	670	650	530	500	450	330	170	160	100	10	0	Al-Mg alloy						
Pure iron	855	675	655	535	505	455	335	175	165	105	15	5	0	Pure iron					
Al-Mg-Si alloy	855	675	655	535	505	455	335	175	165	105	15	5	0	Al-Mg-Si alloy					
Al-Zn-Mg alloy	975	795	775	535	625	575	455	295	285	225	135	125	120	120	0	Al-Zn-Mg alloy			
White metal; 75% Sn, 25% Zn	1110	930	910	790	760	710	590	430	420	360	270	260	255	255	135	0	White metal; 75% Sn, 25% Zn		
Zinc	1150	970	950	830	800	750	630	470	460	400	310	300	295	295	175	40	0	Zinc	

Unit : Millivolt mV - Do not exceed about 320 mV

## CSR commitment

OB Profils integrates in its strategy the CSR commitment. We take into our account in our quality management systems (ISO 9001) many factors :

The environment through recycling of our waste and scrap.

Experiences and staff skills upgrading, training plan and GPEC

Communication between identified actors (customers, suppliers, employees, authorities, local environment...) formalized in a communication plan.

Regulation and risk assessment with a unique document.

PEP sheets for our main items.

## Harmonized product standard IEC 61537 / NF EN 61537

«Cable trays and ladders for electrical installations». This standard defines requirements and tests for cable trays and supports. OB Profils cable trays comply with standard requirements. Electrical continuity tests are made par external laboratories as the LCIE (French laboratory).

## ISO 9001 : Quality process 2015

To increase performance and continuous improvement of customer satisfaction, OB Profils implements a management system complying with the new ISO 9001 standard based on :

Awareness of quality and staff skills (training, GPEC)

Products quality management with controls during all the process : receipt of aw material, manufacturing including sub-contracting, products release,\*

Systematic analyse of claims

Greater consideration of internal and external issues and risks and oportunities assessment caused by these activities, thanks to assessment processes, and customers and regulations (laws,...) and standards (AFNOR, French authority) intelligence.

## RoHS Directive

The RoHS Directive aims to prevent the risks posed to human health and the environment related to the management of electronic and electrical waste. It does this by restricting the use of certain hazardous substances in EEE that can be substituted by safer alternatives.

Cable trays are therefore not affected by the RoHS directive. However, in a responsible environmental approach, OB Profils undertakes as much as possible to limit or eliminate the presence of dangerous substances in its products such as CHROME VI.

## Resistance and fire reaction

An emerging concern for its customers : compliance with «fire» requirements.

In terms of fire resistance, no requirement is mentioned in standard IEC 61537. Indeed, the tests are currently being defined at European level by CENELEC T 213.

In reaction to fire, non-propagation of flame is the acceptance criterion (according to IEC 61537). The test only applies to non-metallic elements, metals being, by convention, classified as non-propagating.

## GHOST certificate

In order to meet the specific requirements of a customer wishing to export to Russia, OB Profils can take the necessary steps to obtain a GHOST certificate.



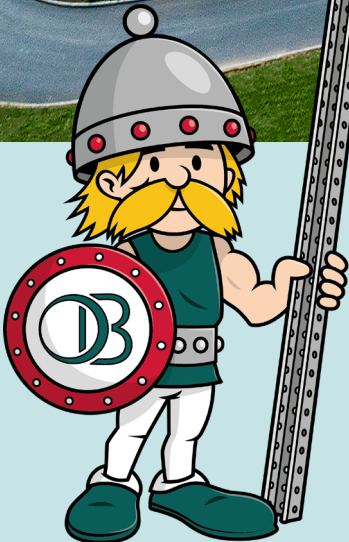






French manufacturer of cable trays

# Essential partner for your construction sites



## We are at your disposal :

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