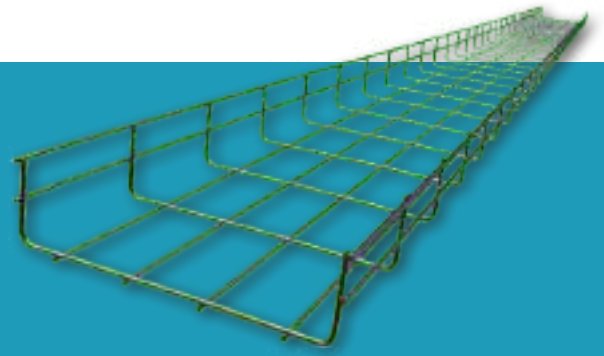
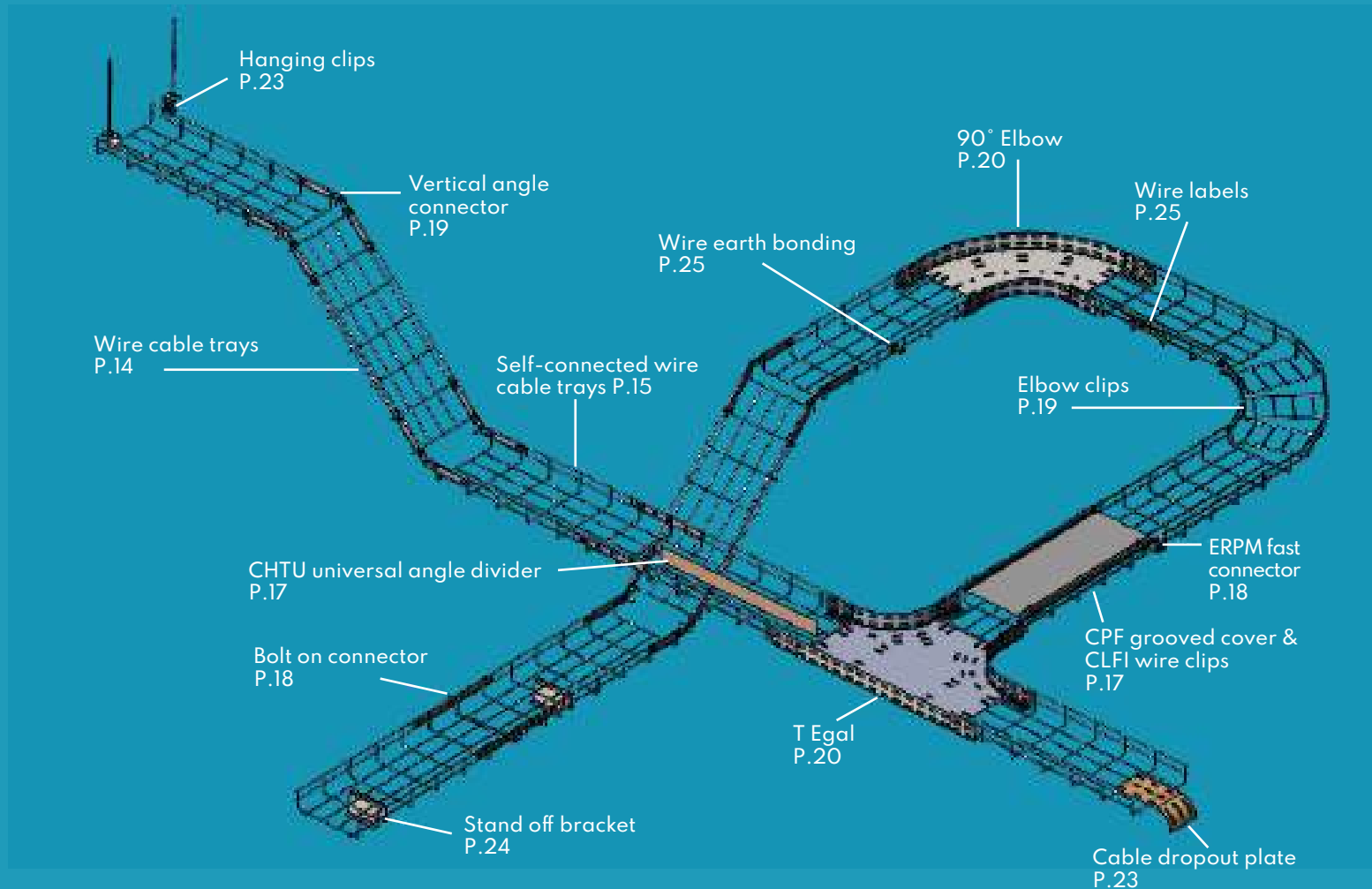


Wire cable trays

Manufacturing from A to Z



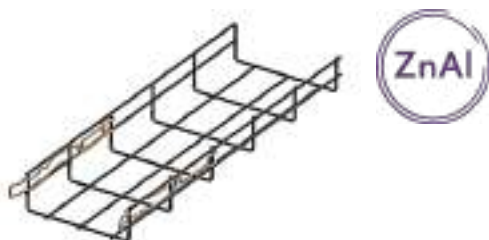
Wire cable trays



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.

Catalogue 2022 - 2023

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

www.ob-profil.com

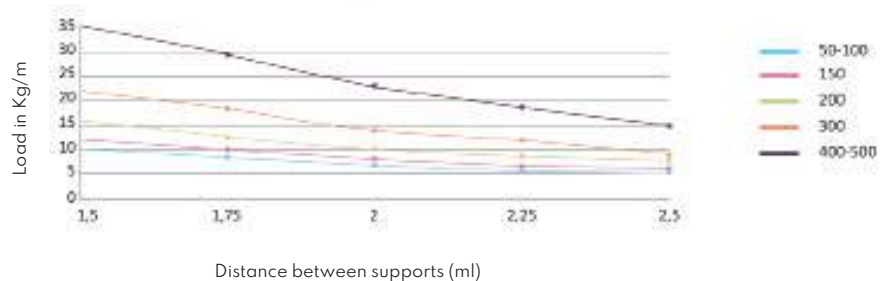
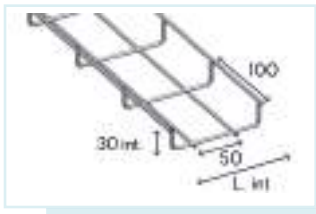
Wire cable trays

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)

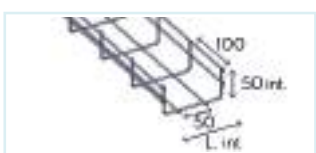


Wire cable trays - Height 54

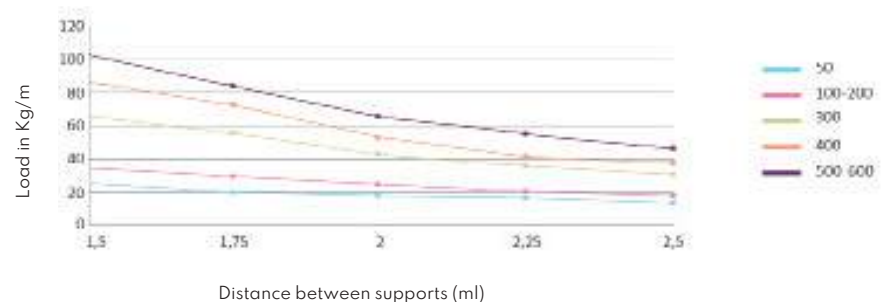
OB₂ 3 meters. Safe flanges : chamfered weft wires.
 Epoxy on request.
 Connecting with ECR or ERPM fast connector only from OB2-50 to OB2-200.

	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	-

OB2-50* wireless at the bottom



Load curve of OB2 (except stainless steel)





Self-connected wire cable trays - Height 54

3 meters. Safe flanges : chamfered weft wires.

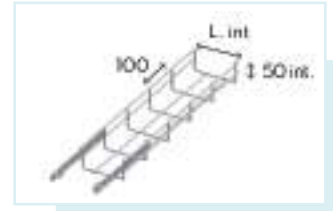
Epoxy on request.

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

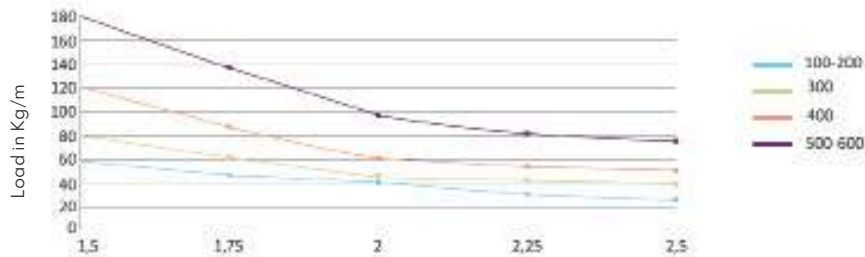
OB2 50 AE* with wire in the bottom



Cable trays locking with ergots



Load curve of OB2 AE



Distance between supports (ml)



Self-connected wire cable trays - Height 110

3 meters. Safe flanges : chamfered weft wires.

Epoxy on request.

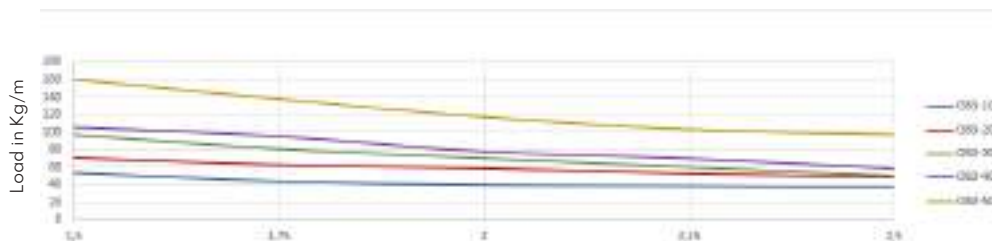
Connectors are welded before surface treatment for a maximum quality.
This assembly system allows a quick and rigid locking (click).

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



Distance between supports (ml)

Wire cable trays

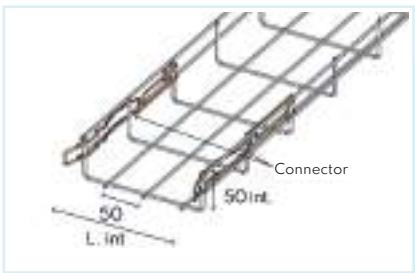
Self-connected wire cable trays - Height 54



OB2C

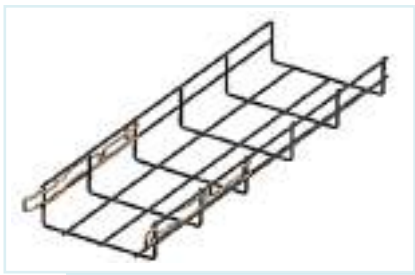
3 meters. Safe flanges : chamfered weft wires.
Epoxy on request.
Connectors are welded before surface treatment for a maximum quality.
The number of connectors changes according to the width of wire cable trays.
This assembly system allows a quick and rigid locking.

NEW : Wire ZnAl

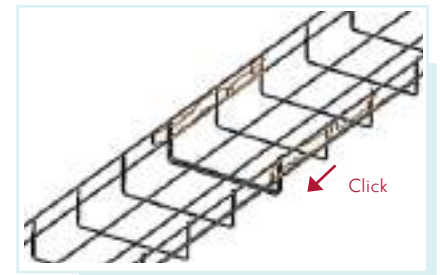
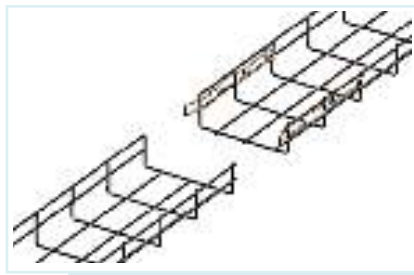


Pre-mounted connectors in factory

	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	



Quick : snap-on assembling with automatic locking



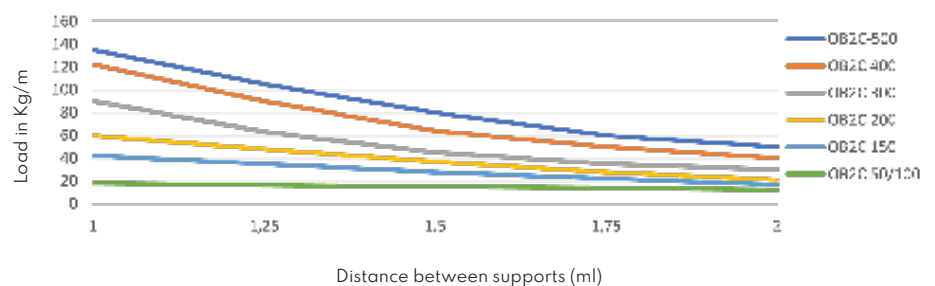
1 bottom wire connector for 300mm width



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.

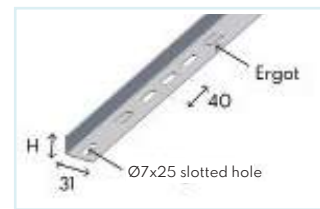
Universal divider

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

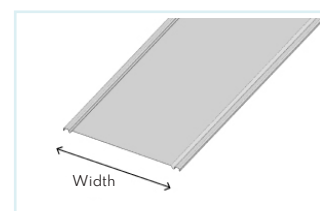


Grooved covers

2 meters
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



Connection accessories

ERPM fast connector

Compatible only from OB2-50 to OB2-200.



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

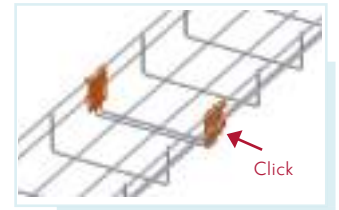
Place the connector between the two chain wires.



Press down to lower the connector.



Fold down the two lugs to secure the assembling.



ECR fast connector

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

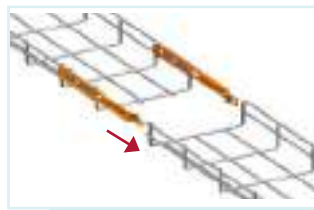


	Pack. P	Kg/P	EZ	HDG	SS316L
ECR connector	20	0.06	850001	250001	650001

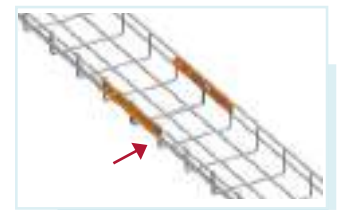
Place the connector outside of the wire cable tray and fold back the tabs in contact with the weft wires.



Join the other wire cable tray and click it.

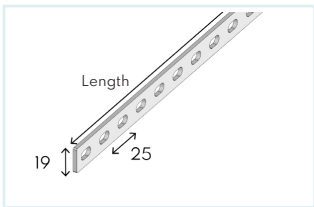


Then fold back the tabs in contact with the other wire cable tray with a screwdriver.



Bolt on connector

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



	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

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



Example of by-pass installation with bolt on connectors.



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



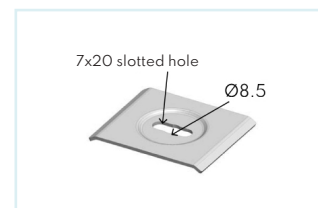
Clamp plate kit : 1 OB20 + 1 OB30 + 6x20 TRCC bolt.



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

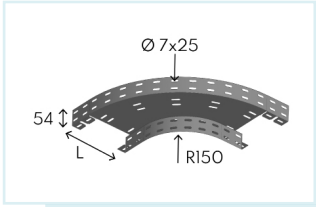
	Pack. P	Kg/%	EZ	HDG	SS316L
6x20 TRCC bolt	100	0.95	960620	260620	660620



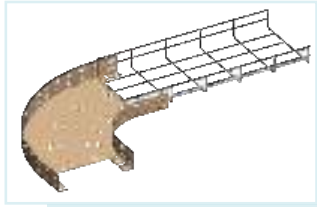
Fitting elements

90° elbow - Height 54

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



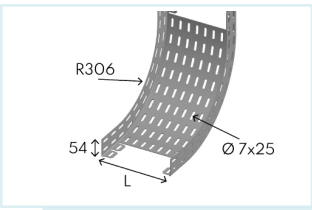
Provide four 6x20 TRCC bolt and OB20 clamp plate on each elbow end.



	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.



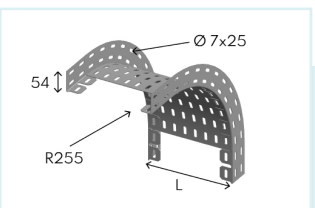
Provide four 6x20 TRCC bolt and OB20 plate on each elbow end.



	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.



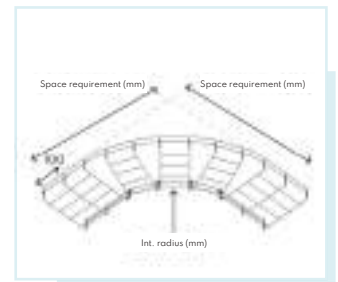
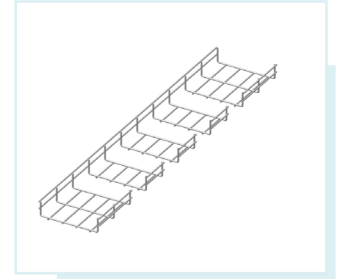
	Pack. P	Kg/P	SZ	HGD
T égal 50	1	1.02	F-172105	F-272105
T égal 100		1.25	F-172110	F-272110
T égal 150		1.60	F-172115	F-272115
T égal 200		1.82	F-172120	F-272120
T égal 300		2.40	F-172130	F-272130
T égal 400		3.65	F-172140	F-272140
T égal 500		4.72	F-172150	F-272150

Cutting plan for fitting elements

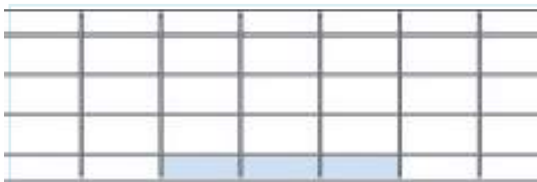
Elbow 90°

Cut-out meshes

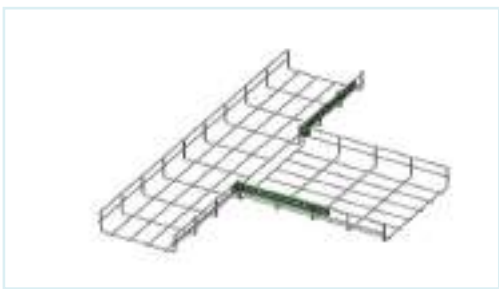
Cutting for 90° elbow		
Width of wire cable tray	Number of meshes to be cut (1 of 2)	Internal radius (mm)
100	3	220
150	4	280
200	4	280
300	6	431
400	8	460
500	9	700
600	11	770



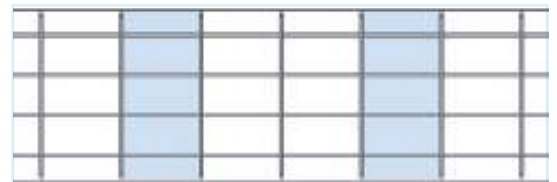
Cutting Equal Tee



Cutting meshes

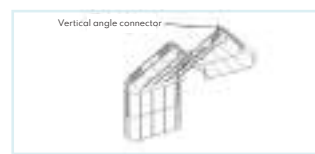


Cutting VE or VI

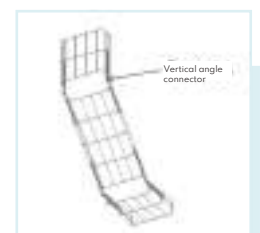


Cutting meshes

VE elbow



VI elbow



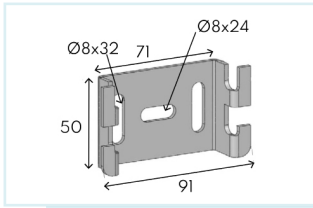
Cutting for Equal Tee

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

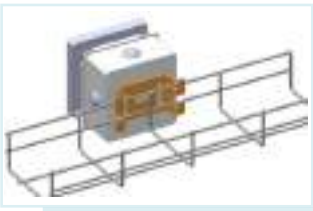
Support suspension

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



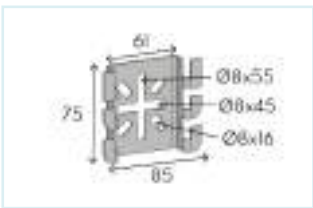
Assembling on a wall



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

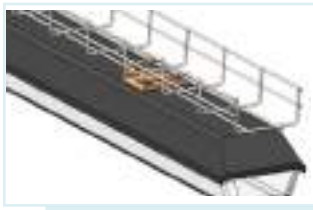
Universal fastening

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.

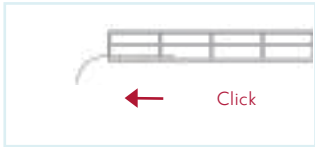
Find all our supports solutions p.59

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.



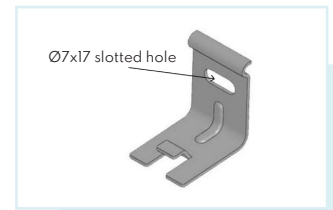
Assembling allowing a change of direction.



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



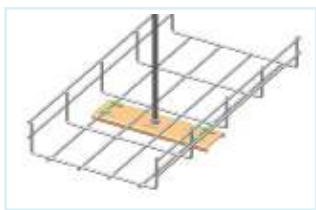
Hanging fastener

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.

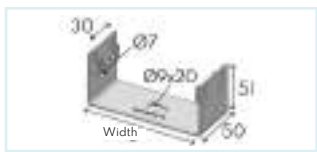
Insert the M6 or M8 threaded rod into the hanging clip hole and lock with M6 or M8 flange nuts per hanging clip.

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.



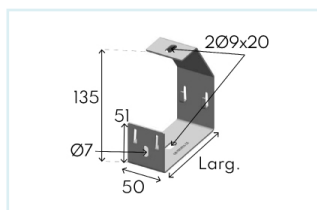
Wall assembling on CLI bracket with 6x12 TRCC bolt.



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 wirehanger*	25	69	20	0.15	150050	250050	650050
L100 wirehanger	10	116	25	0.40	150100	250100	-

Wire stand off bracket



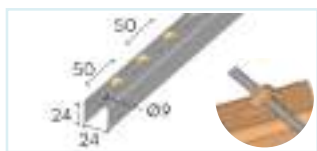
Allows the wire cable tray to be raised by 50mm.
Its notches help for assembling without tool.



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

U24 lug channel

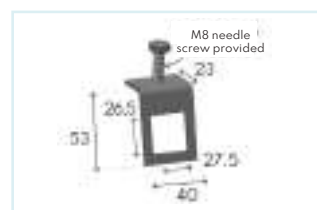
Provide two M6 or M8 threaded rods and two M6 or M8 flange nuts by threaded rod.
Fold down the 2 tabs to secure the assembling.



	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

Wire cropper

Allows a flush cut of the wire

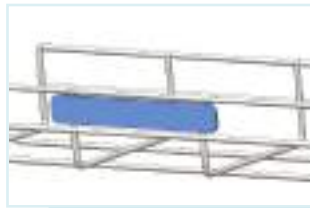


	Pack. P	Kg/P	Wire cropper
Wire cropper - 450	1	2.70	900100

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

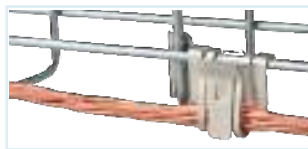


Wire earth connection

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

OB Fix

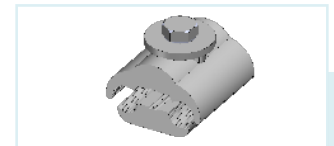
	Pack. P	Kg/P	Tin-plated copper steel
OB Fix	10	0.02	700008



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

Wire earth

	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.

Wire earth terminal 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	10	0.50/%	700002

