Valdinox®

THE CABLE TRAY COMPANY

Catalogue general

EASYCONNECT® BASKET TRAY

Résistance et sécurité en 1 clic.

Valdinox
THE CABLE TRAY COMPANY

VALDINOX est reconnue au niveau international comme l'un des principaux fabricants de chemins de câbles en fil métallique, grâce à notre expertise technique approfondie, notre engagement envers la qualité, ainsi que notre excellence et agilité opérationnelles.

Nous disposons des dernières technologies de production, de processus entièrement surveillés et d'une équipe professionnelle engagée dans l'excellence et la satisfaction client.

Notre capacité de production est l'une des plus importantes d'Europe, dépassant les 15 km de chemins par jour, ce qui, combiné à notre capacité de stockage, nous permet de garantir les délais de livraison les plus exigeants.

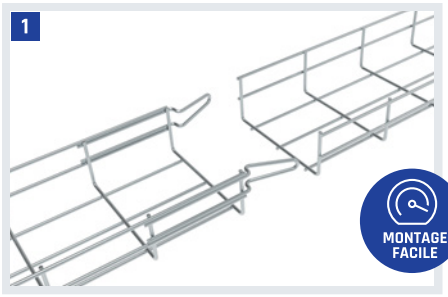
L'impact environnemental de nos activités est minimal et notre processus de production, en plus d'être hautement efficace, génère très peu de déchets, qui sont réintégrés dans la chaîne de valeur. Plus de 85 % de l'acier utilisé dans la fabrication de nos chemins est recyclé et plus de la moitié de l'énergie provient de l'autoconsommation.

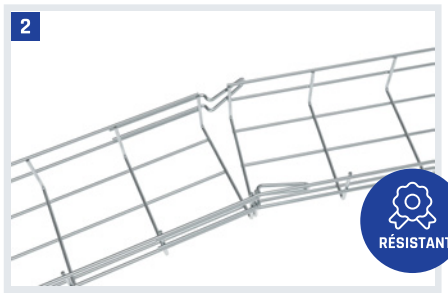
EASYCONNECT®
BASKET TRAY

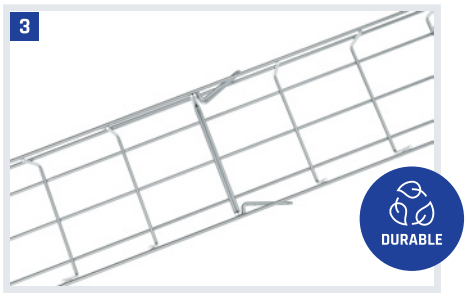
Des avantages imbattables en 1 clic

EASYCONNECT® offre des avantages imbattables grâce à son système breveté de connexion 100 % intégré.

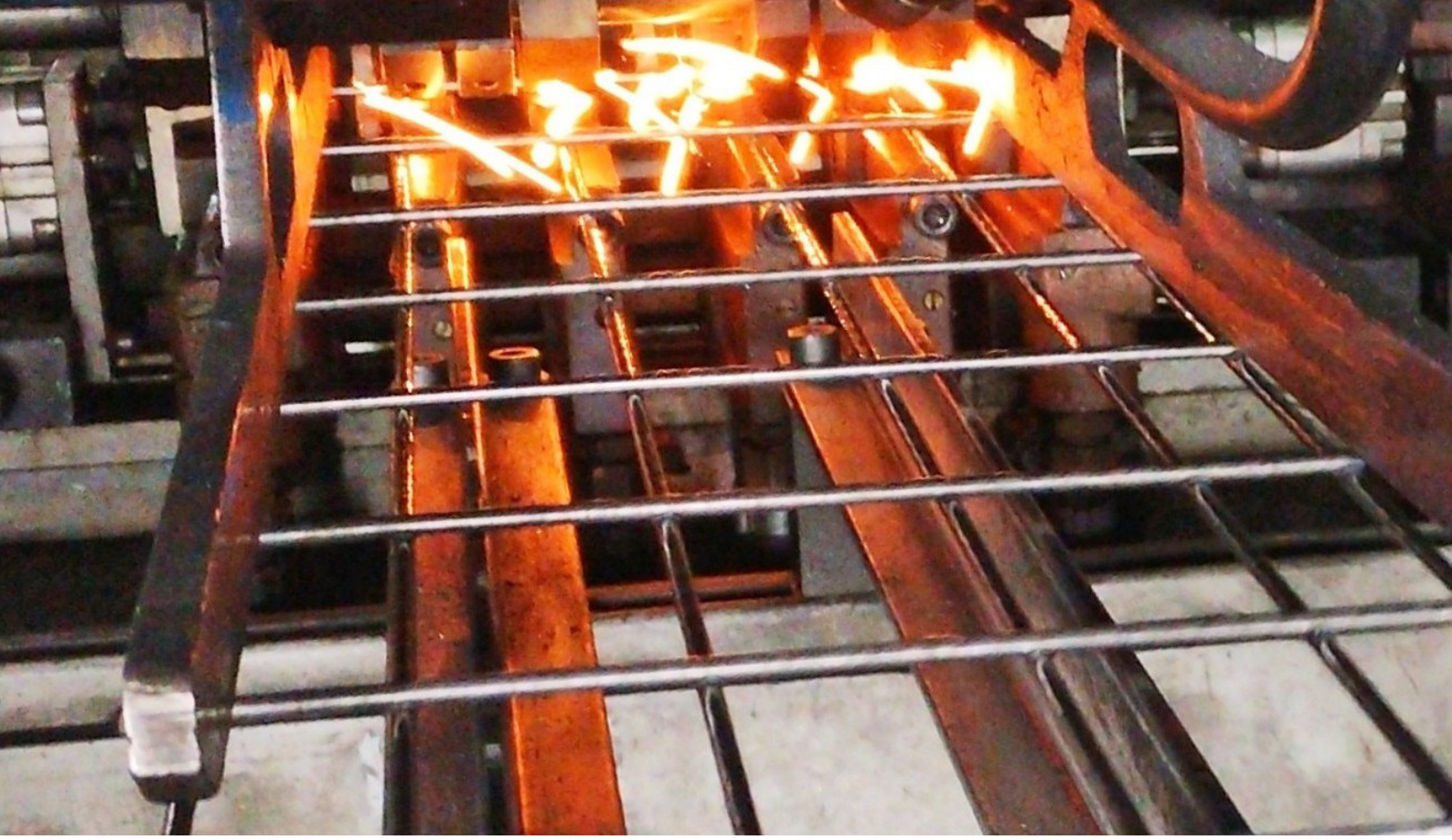
1. Élimine les accessoires et réduit le temps d'installation.
2. Offre une meilleure résistance à la corrosion.
3. Améliore la continuité électrique.
4. A passé avec succès les tests sismiques, de résistance au feu et de court-circuit sans nécessiter d'éléments de fixation supplémentaires.
5. Avec des bords lisses qui protègent l'intégrité des câbles et des opérateurs.
6. Fabriqué avec plus de 85 % d'acier recyclé.







IEC 61914 E90 GlobalEPD A VERIFIED ENVIRONMENTAL DECLARATION RoHS UKCA IEC IECEE



Revêtements

La qualité supérieure de nos revêtements est garantie. Nous sélectionnons soigneusement nos fournisseurs, utilisons des aciers de haute qualité et appliquons des contrôles rigoureux à toutes les étapes du processus.

EZ

EZ - ZINGAGE ÉLECTROLYTIQUE + passivation au chrome trivalent

Résistance à la corrosion : Classe 2 selon l'essai au brouillard salin ISO 9227. Épaisseur minimale : 10 µm.

HDG

HDG - GALVANISATION À CHAUD

Revêtement anticorrosion obtenu par immersion dans du zinc fondu à 450 °C, profilé et chromé pour polissage. ISO 1461 / EN1179 / 2011/65/UE (RoHS) et modifications ultérieures. Epaisseur de zinc : Minimum 85 µm - Moyenne 150 µm. Classe 8 selon IEC 61537 pour une épaisseur de Zn > 85 µm.

IN 304

IN - Acier inoxydable austénitique AISI IN304 ou AISI 316L

Résistance à la corrosion : Classe 9D selon IEC 61537.

SG

SG - Galvanisation Sendzimir

Aussi appelée pré-galvanisation. Résistance à la corrosion : Classe 3 selon IEC 61537.

ZF

Revêtement non électrolytique à base de flocons de zinc

Résistance à la corrosion : Classe 8 selon IEC 61537.

Autres revêtements disponibles sur demande:

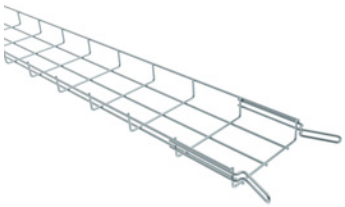
Peinture époxy, Zn-Al, passivations et vernis noirs.

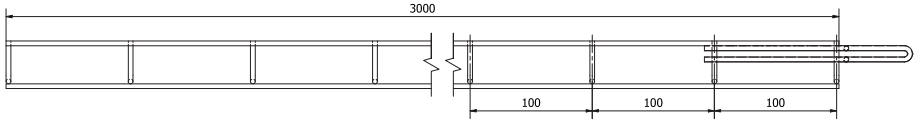
Chemins de câbles

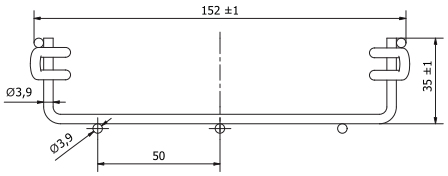
EASYCONNECT BASKET TRAY

EC30

EZ	HDG	IN	Hauteur (mm)	Largeur (mm)	Capacité de charge SWL (N/m)	Section transversale Su = (cm^2)
EC30.060EZ	EC30.060HDG	EC30.060IN	35	76	172	18,784
EC30.100EZ	EC30.100HDG	EC30.100IN	35	102	178	26,870
EC30.150EZ	EC30.150HDG	EC30.150IN	35	152	188	42,420
EC30.200EZ	EC30.200HDG	EC30.200IN	35	202	199	57,970
EC30.300EZ	EC30.300HDG	EC30.300IN	35	302	221	87,4336

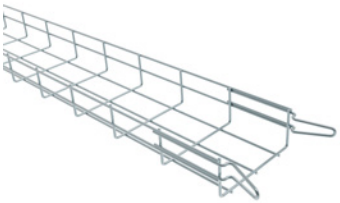


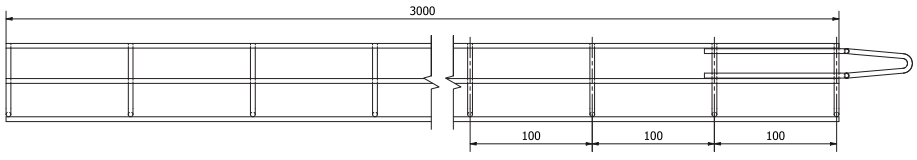


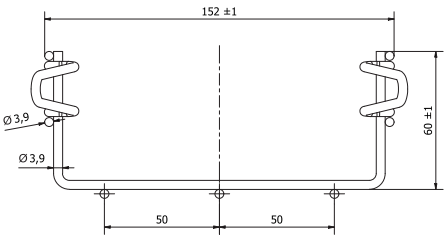


EC60

EZ	HDG	IN	Hauteur (mm)	Largeur (mm)	Capacité de charge SWL (N/m)	Section transversale Su = (cm^2)
EC60.060EZ	EC60.060HDG	EC60.060IN	55	66	290	25,754
EC60.060EZ-6W	EC60.060HDG-6W	EC60.060IN-6W	51	66	290	23,738
EC60.100EZ	EC60.100HDG	EC60.100IN	60	102	323	48,470
EC60.150EZ	EC60.150HDG	EC60.150IN	60	152	345	76,520
EC60.200EZ	EC60.200HDG	EC60.200IN	60	202	368	104,570
EC60.300EZ	EC60.300HDG	EC60.300IN	60	302	413	158,634
EC60.400EZ	EC60.400HDG	EC60.400IN	60	402	457	214,334
EC60.450EZ	EC60.450HDG	EC60.450IN	60	452	480	239,13
EC60.500EZ	EC60.500HDG	EC60.500IN	60	502	502	267,914
EC60.600EZ	EC60.600HDG	EC60.600IN	60	602	547	323,314





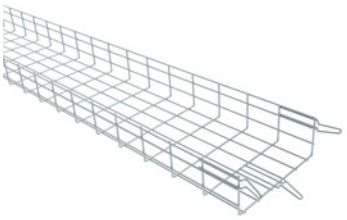


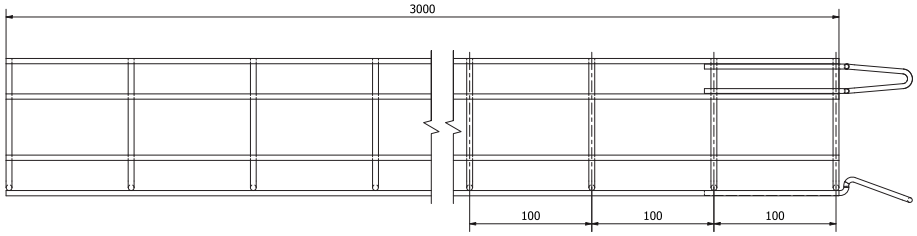
Chemins de câbles

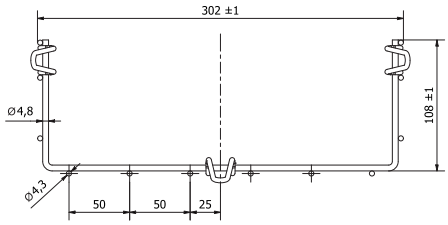
EASYCONNECT BASKET TRAY

EC100

EZ	HDG	IN	Hauteur (mm)	Largeur (mm)	Capacité de charge SWL (N/m)	Section transversale Su = (cm^2)
EC100.100EZ	EC100.100HDG	EC100.100IN	108	102	433	89,9424
EC100.150EZ	EC100.150HDG	EC100.150IN	108	152	441	139,7876
EC100.200EZ	EC100.200HDG	EC100.200IN	108	202	462	191,638
EC100.300EZ	EC100.300HDG	EC100.300IN	108	302	504	295,338
EC100.400EZ	EC100.400HDG	EC100.400IN	108	402	546	395,460
EC100.450EZ	EC100.450HDG	EC100.450IN	108	452	567	447,060
EC100.500EZ	EC100.500HDG	EC100.500IN	108	502	588	500,042
EC100.600EZ	EC100.600HDG	EC100.600IN	108	602	630	601,860
EC100.750EZ	EC100.750HDG	EC100.750IN	108	752	680	756,250
EC100.900EZ	EC100.900HDG	EC100.900IN	108	902	745	911,050

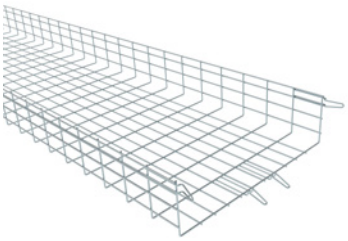


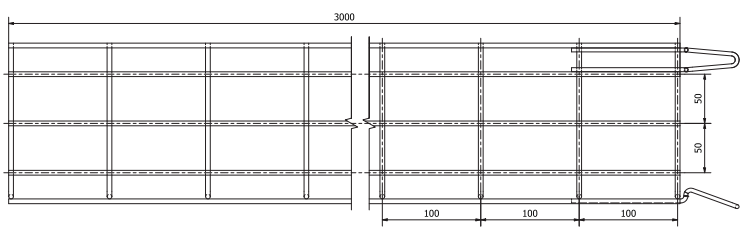


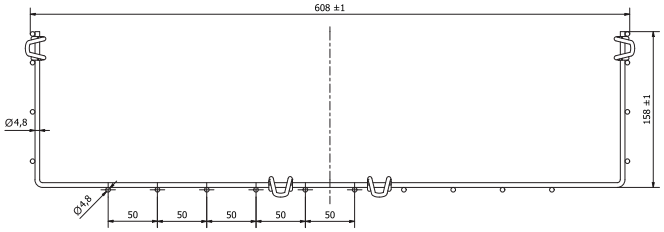


EC150

EZ	HDG	IN	Hauteur (mm)	Largeur (mm)	Capacité de charge SWL (N/m)	Section transversale Su = (cm^2)
EC150.150EZ	EC150.150HDG	EC150.150IN	158	152	592	207,190
EC150.200EZ	EC150.200HDG	EC150.200IN	155	208	599	285,080
EC150.300EZ	EC150.300HDG	EC150.300IN	158	308	606	443,050
EC150.400EZ	EC150.400HDG	EC150.400IN	158	408	615	596,250
EC150.450EZ	EC150.450HDG	EC150.450IN	155	458	623	659,68
EC150.500EZ	EC150.500HDG	EC150.500IN	158	508	631	749,450
EC150.600EZ	EC150.600HDG	EC150.600IN	158	608	638	902,042
EC150.750EZ	EC150.750HDG	EC150.750IN	158	758	654	1131,84
EC150.900EZ	EC150.900HDG	EC150.900IN	158	908	669	1361,64

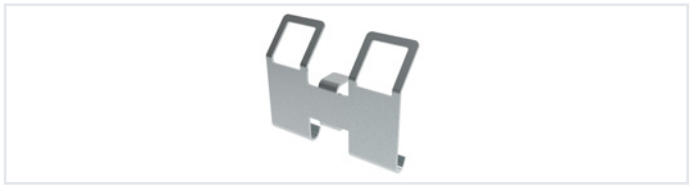




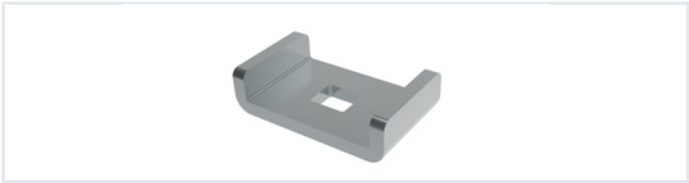


Accessoires de fixation

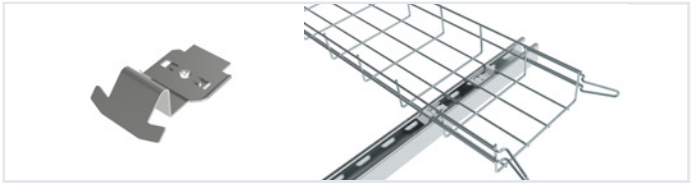
EZ	ZF	IN	Poids (kg)	Filetage métrique	W (mm)	L (mm)
FASEZ	FASZF	FASIN	0,018	6	23	24



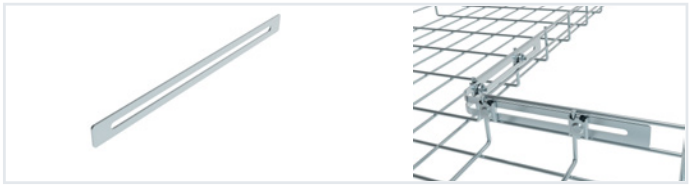
SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)
URSG	URZF	URIN304	0,01	0,8	50	60



ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
CPUZF	CPUIN	0,013	2,5	8	18	20

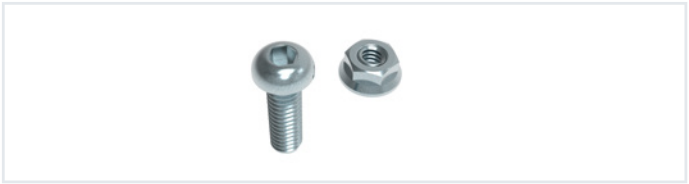


EZ	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
CFR41	0,017	1	16	33	62



SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	L (mm)
JS200SG	JS200EZ	JS200IN	0,05	2	22	200
JS300SG	JS300EZ	JS300IN	0,075	2	22	300
JS400SG	JS400EZ	JS400IN	0,099	2	22	400
JS500SG	JS500EZ	JS500IN	0,125	2	22	500
JS750SG	JS750EZ	JS750IN	0,181	2	22	750
JS1050SG	JS1050EZ	JS1050IN	0,252	2	22	1050
JS1450SG	JS1450EZ	JS1450IN	0,346	2	22	1450

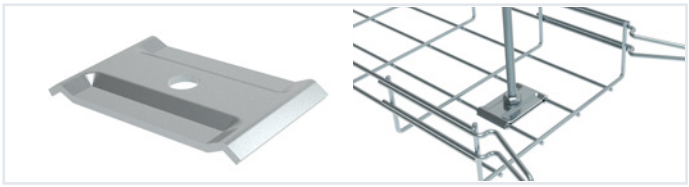
EZ	IN	Poids (kg)
CFK60EZ	CFK60IN	0,18
CFK100EZ	CFK100IN	0,28
CFK150EZ	CFK150IN	0,481
CFK150+EZ	CFK150+IN	0,481



EZ	Poids (kg)	Filetage métrique	W (mm)
TAM6EZ	0,009	6	25

EZ	Poids (kg)	H (mm)	W (mm)
ECKBT	0,006	16	74

Accessoires de fixation



EZ	ZF	IN	Poids (kg)	Filetage métrique	Épaisseur (mm)	W (mm)	L (mm)
SC6EZ	SC6ZF	SC6IN	0,031	6	2	35	60
SC8EZ	SC8ZF	SC8IN	0,031	8	2	35	60
SC10EZ	SC10ZF	SC10IN	0,031	10	2	35	60

EZ	ZF	IN	Poids (kg)	Filetage métrique	W (mm)	L (mm)
UUEZ	UUZF	UUIN	0,027	6	25	24
UUEZ-B	UU-B	UUIN-B	0,014	n.d.	25	24
UUEZ-TOP	UU-TOP	UUIN-TOP				

ZF	H (mm)	W (mm)	L (mm)
MCLICZF - 3.9/4.3/4.8	9	13	23

Supports

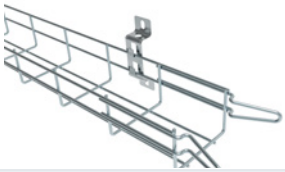
SG	HDG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)
SE100SG	SE100HDG	SE100IN	0,263	2	86	141
SE150SG	SE150HDG	SE150IN	0,338	2	86	190
SE200SG	SE200HDG	SE200IN	0,413	2	86	241
SE300SG	SE300HDG	SE300IN	0,64	2	111	341
SE400SG	SE400HDG	SE400IN	0,94	2	121	441
SE500SG	SE500HDG	SE500IN	1,356	2	162	541
SE600SG	SE600HDG	SE600IN	1,521	2	159	641

SG	HDG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	L (mm)
SOC10SG	SOC10HDG	SOC10IN	0,342	2	115	215
SOC15SG	SOC15HDG	SOC15IN	0,395	2	115	265
SOC20SG	SOC20HDG	SOC20IN	0,447	2	115	315
SOC30SG	SOC30HDG	SOC30IN	0,554	2	115	415
SOC40SG	SOC40HDG	SOC40IN	0,66	2	115	515

SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)
PS30SG	PS30ZF	PS30IN	0,118	2	75	64

SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)
PS60SG	PS60ZF	PS60IN	0,0547	1,5	50	65

Supports

SG	ZF	IN	Poids (kg)	Épaisseur (mm)	W (mm)	L (mm)
SESG	SEZF	SEIN	0,0432	1,5	30	110


SG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
SAS3SG	SAS3IN	0,375	1,5	101,5	62	120,4


SG	HDG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
SOPC10SG	SOPC10HDG	SOPC10IN	0,517	2	180	115	215
SOPC15SG	SOPC15HDG	SOPC15IN	0,55	2	180	115	265
SOPC20SG	SOPC20HDG	SOPC20IN	0,623	2	180	115	315
SOPC30SG	SOPC30HDG	SOPC30IN	0,714	2	180	115	415


SG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
BS1SG	BS1IN	0,294	2	120	50	105
BS2SG	BS2IN	0,604	2,5	160	50	155
BS3SG	BS3IN	1,014	3	190	50	195


SG	HDG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
SOA10SG	SOA10HDG	SOA10IN	0,211	2	20	50	250
SOA15SG	SOA15HDG	SOA15IN	0,251	2	20	50	300
SOA20SG	SOA20HDG	SOA20IN	0,386	2	20	50	350
SOA30SG	SOA30HDG	SOA30IN	0,496	2	20	50	450
SOA40SG	SOA40HDG	SOA40IN	0,632	2	20	50	550
SOA50SG	SOA50HDG	SOA50IN	0,713	2	20	50	650
SOA60SG	SOA60HDG	SOA60IN	0,822	2	20	50	750

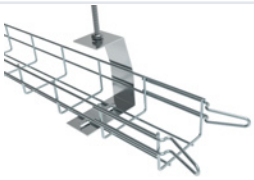

SG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
SP3060SG	SP3060IN	0.156	2	80	74	45
SP6060SG		0.146	2	68	70	48
	SP6060IN	0.156	2	68	80	48


EZ	SG	HDG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
SD60EZ	SD60SG	SD60HDG	SD60HDG	0,238	2	50	60	50
SD100EZ	SD100SG	SD100HDG	SD100HDG	0,218	2	50	60	50
SD150EZ	SD150SG	SD150HDG	SD150HDG	0,258	2	50	50	50
SD200EZ	SD200SG	SD200HDG	SD200HDG	0,296	2	50	50	50
SD300EZ	SD300SG	SD300HDG	SD300HDG	0,375	2	50	50	50
SD400EZ	SD400SG	SD400HDG	SD400HDG	0,453	2	50	50	50
SD450EZ	SD450SG	SD450HDG	SD450HDG	0,532	2	50	50	50
SD500EZ	SD500SG	SD500HDG	SD500HDG	0,61	2	50	50	50
SD600EZ	SD600SG	SD600HDG	SD600HDG	0,238	2	50	50	50

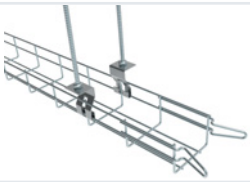
*El soporte Ref. SD150 no es compatible con la bandeja EC100.150.
En su lugar debe usarse la ref. SD100

Supports


SG	HDG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
SOAL1SG	SOAL1HDG	SOAL1IN	1,513	2	23,5	71	1000
SOAL2SG	SOAL2HDG	SOAL2IN	3,027	2	23,5	71	2000
SOAL3SG	SOAL3HDG	SOAL3IN	4,54	2	23,5	71	2990

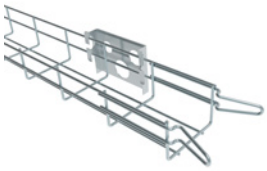



SG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
OHC060SG	OHC060IN	0,194	2	125	53	83
OHC100SG	OHC100IN	0,209	2	125	53	104
OHC150SG	OHC150IN	0,247	2	125	53	154

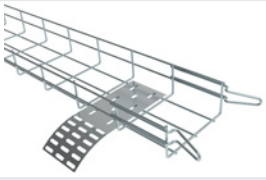
EZ	SG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
PSTEZ	PSTSG	PSTIN	0,063	2	65	40	33

Sorties de câbles et de tubes

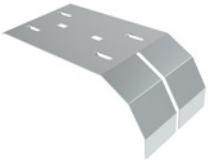



SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)
STSG	STZF	STIN	0,118	1,5	80	110

SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)
ST2SG	ST2ZF	ST2IN	0.058	1	115	70

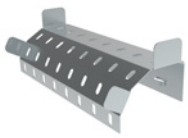
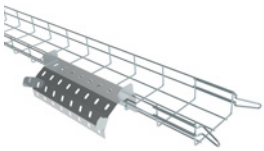



EZ	SG	HDG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)
SCEZ	SCSG	SCZF	SCIN	0,145	1	230	87




SG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
SCLMSG	SCLMIN	0,145	1	68	91	189

Sorties de câbles et de tubes

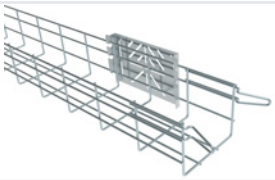



SG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
SCASG	SCAIN	0,436	1	68	102	275


SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)
LFSSG	LFSZF	LFSIN	0,085	1	40	80

Accessoires

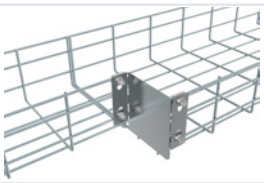

SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
DB100SG	DB100ZF	DB100IN	0,11	1,5	95	66	13

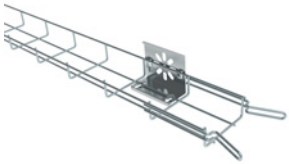
SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
DB100XLSG	DB100XLZF	DB100XLIN	0,28	1,5	120	180	13

EZ	Poids (kg)	Filetage métrique	L (mm)
VR6EZ	0,16	6	1000
VR8EZ	0,313	8	1000
VR10EZ	0,4	10	1000

EZ	Poids (kg)	Filetage métrique
TVR6	0,005	6
TVR8	0,006	8
TVR10	0,002	10

EZ	SG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
EP2.2.EZ	EP2.2.SG	EP2.2.IN	0,035	1	57,15	111,13	50,8
EP2.4.EZ	EP2.4.SG	EP2.4.IN	0,077	1	107,95	111,13	50,8
EP2x6.EZ	EP2x6.SG	EP2.6.IN	0,119	1	158,75	111,13	50,8
EP4.2.EZ	EP4.2.SG	EP4.2.IN	0,058	1	57,15	161,93	101,6
EP4.4.EZ	EP4.4.SG	EP4.4.IN	0,12	1	107,95	161,93	101,6
EP4.6.EZ	EP4.6.SG	EP4.6.IN	0,182	1	158,75	161,93	101,6

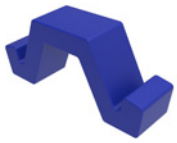
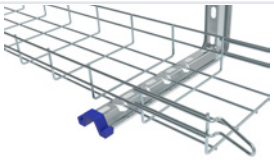



SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
DB30SG	DB30ZF	DB30IN	0,047	1	70	90	40

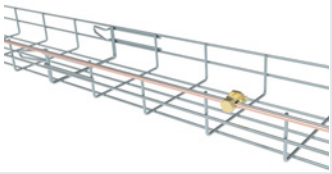

	Poids (kg)	W (mm)	L (mm)
PLASTIC TAG	0,005	23	140

Accessoires


SG	ZF	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
ENTSG	ENTZF	ENTIN	0,027	2	18	19	40

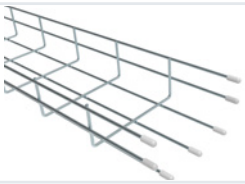



EZ	Poids (kg)	H (mm)	w (mm)	L (mm)
INVSO	0,005	25	59	15

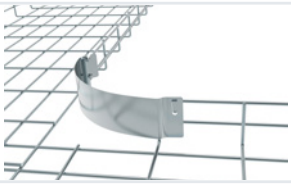



EZ	Poids (kg)	Filetage métrique	L (mm)
MAT	0,037	25	29


EZ	Rosca métrica	Poids (mm)	H (mm)	W (mm)
TCM6EZ	6	0.005	12	12



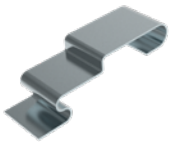
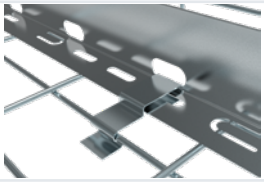
EZ	Poids (kg)	Filetage métrique	w (mm)	L (mm)
SEC3.8	0,0005	14,5	3,8	16
SEC4.4	0,0005	14,5	4,4	16

SG	EZ	IN	Poids (kg)	Épaisseur (mm)	H (mm)	L (mm)
CPB60SG	CPB60EZ	CPB60IN	0,1	0,8	55	290
CPB100SG	CPB100EZ	CPB100IN	0,114	0,8	103	290
CPB150SG	CPB150EZ	CPB150IN	0,262	0,8	150	290


SG	IN	Poids (kg)	Épaisseur (mm)	W (mm)	L (mm)
T060SG	T060IN	1,09	0,8	65	2000
T100SG	T100IN	1,33	0,8	102	2000
T150SG	T150IN	1,81	0,8	152	2000
T200SG	T200IN	2,29	0,8	202	2000
T300SG	T300IN	3,81	0,8	302	2000
T400SG	T400IN	4,93	0,8	402	2000
T450SG	T450IN	6.031	0,8	452	2000
T500SG	T500IN	6,93	0,8	502	2000
T600SG	T600IN	8,21	0,8	602	2000
T900SG		11.683	1,8	902	2000


SG	IN	Poids (kg)	Filetage métrique	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
SEP30SG	SEP30IN	1,23	7	0,8	29	30	3000
SEP60SG	SEP60IN	1,395	7	0,8	50	30	3000
SEP100SG	SEP100IN	2,049	7	0,8	90	30	3000
SEP150SG	SEP150IN	2.455	7	0,8	140	30	3000

SG	IN	Poids (kg)	Épaisseur (mm)	H (mm)	W (mm)	L (mm)
CSEPSG	CSEPIN	0,9	20	20	20	70

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Valdinox®
THE CABLE TRAY COMPANY

EASYCONNECT®
BASKET TRAY

DATA CENTRES

Basket cable trays and accessories for Data Centres

Security is a must in Data Centers. These are critical infrastructures, where each risk must be detailed, evaluated, and controlled to guarantee its operativity.

As a result of our deep knowledge and commitment to innovation, VALDINOX offers the best wire mesh cable tray which provides a **patented self-assembling system** that eliminates fixing accessories between tray sections, thus reducing cost and time.

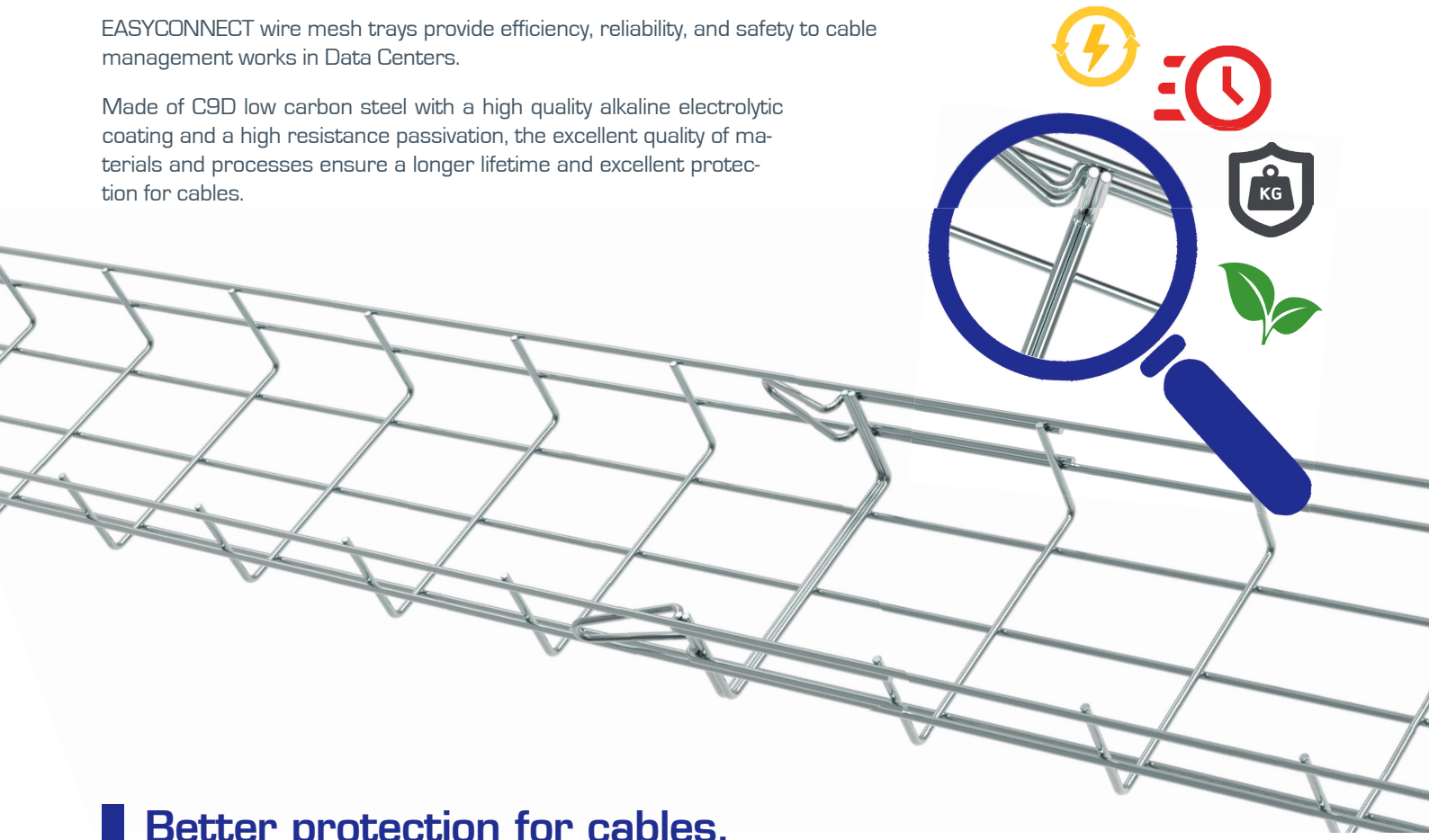
EASYCONNECT is resistance and safety in just 1 click

Always attentive to the needs of our clients, we bring our extensive experience, **highly specialized technical knowledge and one of the largest production capacities in Europe**, to exceed our clients' expectations by offering the appropriate solutions and the shortest delivery delays.

EASYCONNECT, Resistance and Safety in 1 click

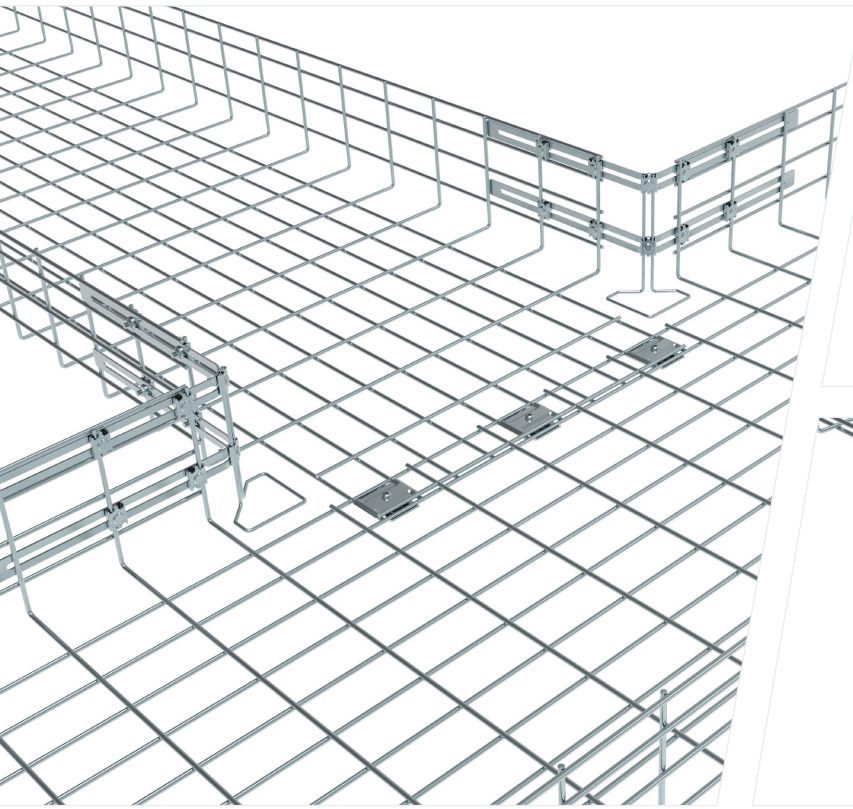
EASYCONNECT wire mesh trays provide efficiency, reliability, and safety to cable management works in Data Centers.

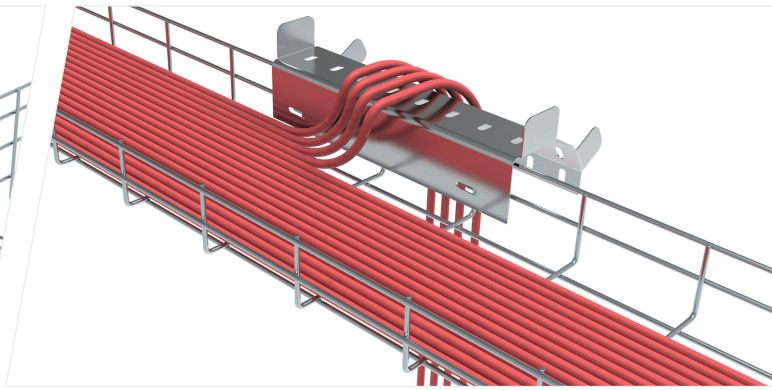
Made of C9D low carbon steel with a high quality alkaline electrolytic coating and a high resistance passivation, the excellent quality of materials and processes ensure a longer lifetime and excellent protection for cables.

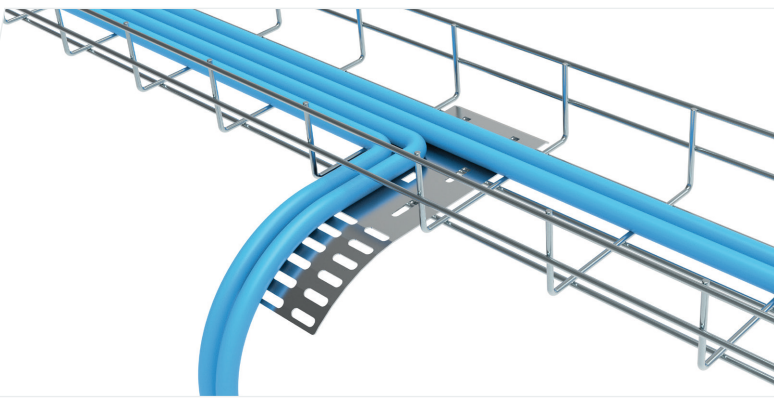


Better protection for cables. Improve energy efficiency

The EASYCONNECT basket trays also favors a better ventilation for cables, making it easier to keep its temperature within the limits indicated by the manufacturer, for the optimal operation and more efficient energy consumption.







Optimal management of fiber optic cables

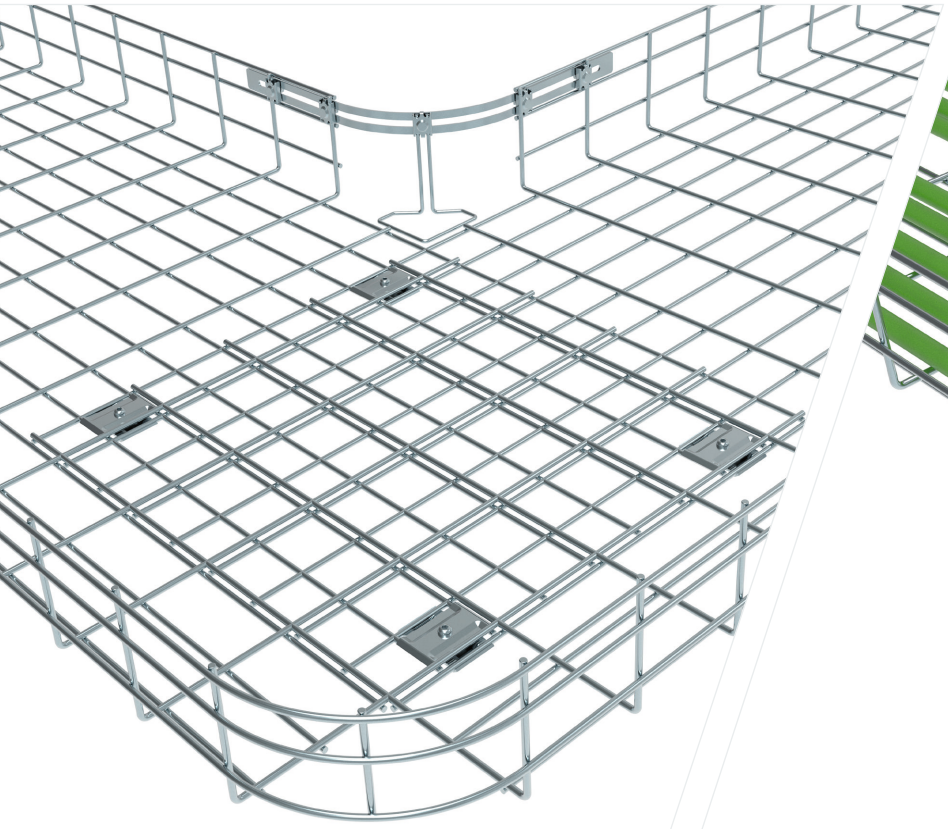
Characteristics of fiber optic cables require that cable layout is carefully designed, considering the limits for the bending radius to **avoid attenuation of transmission capacity and ensure a reliable and uninterrupted signal quality**.

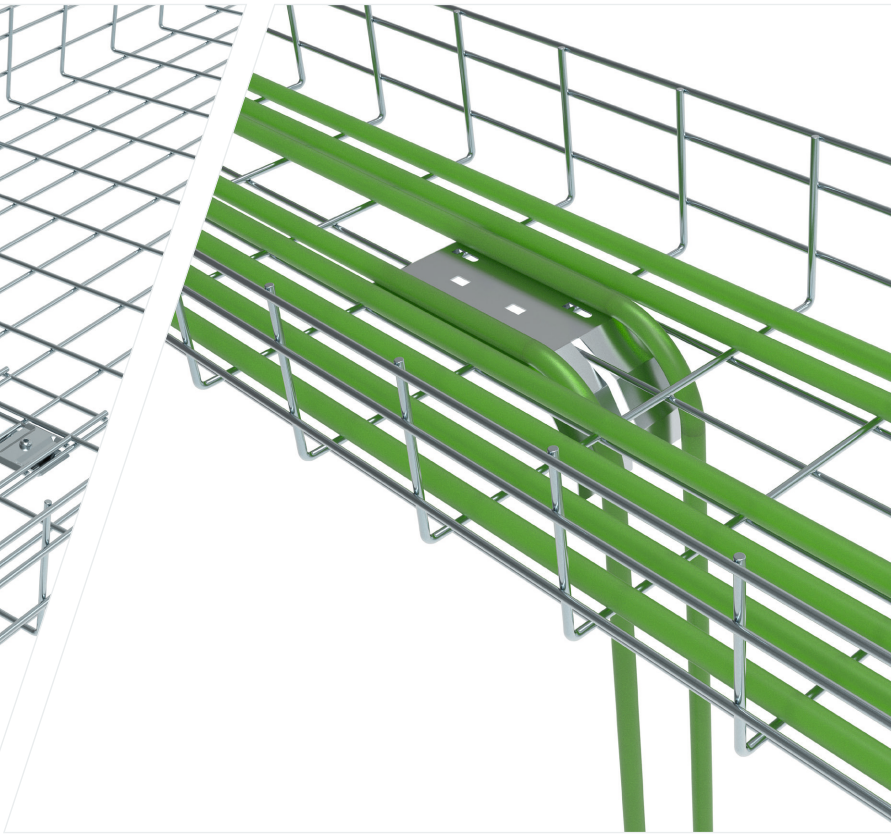
Attenuation can be minimized by reducing the number of bends and by increasing the bend radius. Each fiber optic cable manufacturer specifies the minimum bend radius. This parameter must be respected to guarantee the properties and transmission capacity of the cables.

TIP: Take the dimension of the external diameter of the Cable and multiply it by 20, in order to obtain an approximate reference value of the minimum bend radius (Rc). That is, Rc = 20 x Dc (where Dc is the outer diameter of the cable jacket).

VALDINOX cable trays and accessories for Data Centers have been designed considering the characteristics of fiber optic cables

- **PATENTED DESIGN**
  The patented design of EASYCONNECT fixing system, not only provides a faster and safer installation, but it also eliminates fixing accessories, bolts and screws that might constitute a risk to the integrity of the cables due to their angular shapes.
- **CABLE DROP-OUT PLATES**
  Cable drop-out plates comply with the bending radius of fiber optic cable allowing optimal performance and transmission capabilities
- **CFK ACCESSORIES**
  CFK accessories provide additional protection for cables at bends and crossings.
- **QUICK FIXING SYSTEM**
  All accessories provide quick fixing systems, no-screws required.





High quality coating
The zink whiskers phenomenon

This phenomenon, little studied to date, has regained interest in recent years due to the increasing miniaturization of electronic components and the proliferation of data processing centers..

Zinc-based electrolytic coatings generate microfilaments of zinc of about 10 µm in size that, transported by air, could cause short circuits in electronic components. However, this risk is negligible as well as being quite difficult to verify since these microfilaments would vaporize without leaving evidence of their existence the moment the short circuit is produced.

VALDINOX has conducted a pioneer study to evaluate different types of electrolytic coatings, including different passivation layers and sealants, both metallic and organic and mixed, concluding that there is no zinc-based coating or any type of sealant or subsequent passivation that prevents the generation of Zink Whiskers.

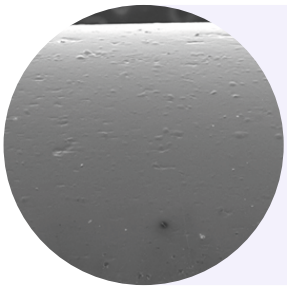
The results of the study confirm the theory that the surface tension is a determining parameter in the appearance of zinc microfilaments.

This research has been published by the prestigious MDPI Scientific Open Access Journal in a special issue dedicated to corrosion and protection of metallic materials in extreme environments.

There are plenty of electro-plated zinc components in addition to cable trays, such as screws, mounting profiles, frames, doorknobs, etc., within a Data Center, however their design is constantly improving, incorporating advanced cooling systems that include air filters capable of block the dispersion of particles smaller than 0.3 µm.

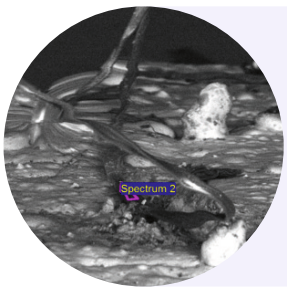
WWW

The full report is available here: https://www.mdpi.com/2075-4701/11/2/325

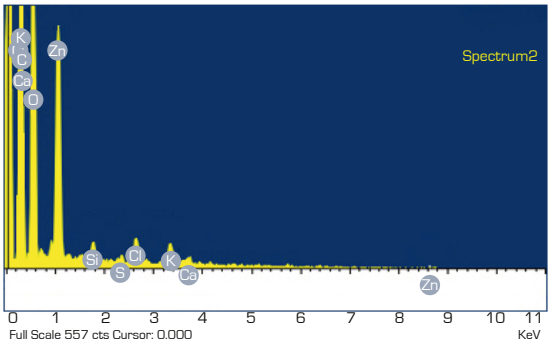


Scanning Electron Microscope (SEM) image of the surface of an EZ-coated steel wire, without zinc filaments

Zinc whisker: Scanning electron microscope (SEM) image of zinc whiskers on the surface of EZ-coated steel wire

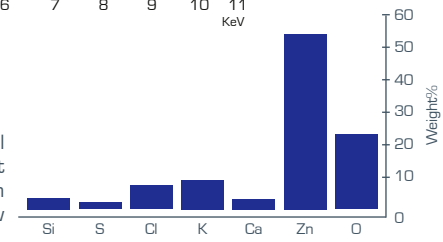


Magnified image of the filament and selection of the surface under analysis (spectrum 2)



Result of the molecular composition of the surface of a filament according to electromagnetic spectrum analysis

Bar graph detailing chemical composition of a filament considering the data contained in the first column of the table below



Element	Weight%	Atomic%	Compd%	Formula
Si K	3.36	4.12	7.18	SiO2
S K	1.83	1.97	4.57	SO3
Cl K	7.00	6.81	0.00	
K K	8.46	7.46	10.19	K2O
Ca K	2.97	2.55	4.15	CaO
Zn L	53.75	28.34	66.90	ZnO
O	22.63	48.76		
Totals	100.00			

Table detailing chemical analysis of a filament (traces of other molecules and elements are detected due to exogenous contamination over the surface)

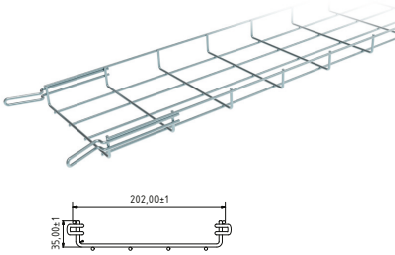
Easyconnect basket cable trays and accessories

EASYCONNECT BASKET TRAY

EZ	HDG	IN 304 / IN 316L	H (mm)	W (mm)	Su* (cm²)	SWL (N/m)
EC30.060EZ	EC30.060HDG	EC30.060IN	35	70	16,92	172
EC30.100EZ	EC30.100HDG	EC30.100IN	35	102	26,87	178
EC30.150EZ	EC30.150HDG	EC30.150IN	35	152	42,42	188
EC30.200EZ	EC30.200HDG	EC30.200IN	35	202	57,97	199
EC30.300EZ	EC30.300HDG	EC30.300IN	35	302	87,43	221

Length: 3 m

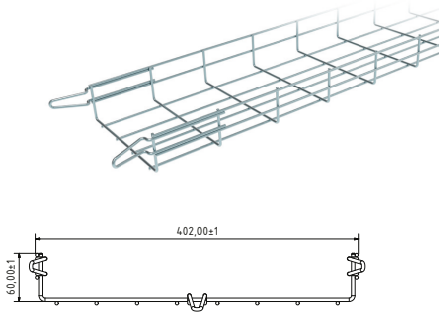
* Sección transversal / Cross Section / Section transversale



EZ	HDG	IN 304 / IN 316L	H (mm)	W (mm)	Su* (cm²)	SWL (N/m)
EC60.060EZ	EC60.060HDG	EC60.060IN	55	60	22,69	290
EC60.060EZ-6W	EC60.060HDG-6W	EC60.060IN-6W**	51	66	23,74	290
EC60.100EZ	EC60.100HDG	EC60.100IN	60	102	48,47	323
EC60.150EZ	EC60.150HDG	EC60.150IN	60	152	76,52	345
EC60.200EZ	EC60.200HDG	EC60.200IN	60	202	104,57	368
EC60.300EZ	EC60.300HDG	EC60.300IN	60	302	158,63	413
EC60.400EZ	EC60.400HDG	EC60.400IN	60	402	211,86	457
EC60.500EZ	EC60.500HDG	EC60.500IN	60	502	266,73	502
EC60.600EZ	EC60.600HDG	EC60.600IN	60	602	321,93	547

Length: 3 m

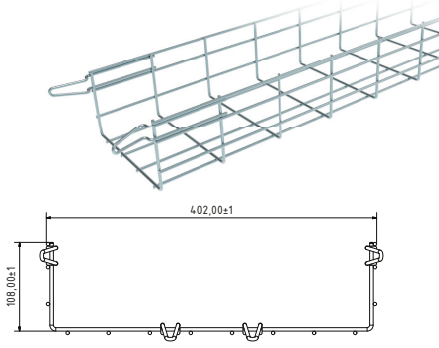
* Sección transversal / Cross Section / Section transversale
** H=55 mm; W=73 mm; Su=29,4 cm²



EZ	HDG	IN 304 / IN 316L	H (mm)	W (mm)	Su* (cm²)	SWL (N/m)
EC100.150EZ	EC100.150HDG	EC100.150IN	108	152	139,79	441
EC100.200EZ	EC100.200HDG	EC100.200IN	108	202	191,64	462
EC100.300EZ	EC100.300HDG	EC100.300IN	108	302	292,88	504
EC100.400EZ	EC100.400HDG	EC100.400IN	108	402	395,46	546
EC100.500EZ	EC100.500HDG	EC100.500IN	108	502	498,66	588
EC100.600EZ	EC100.600HDG	EC100.600IN	108	602	601,86	630

Length: 3 m

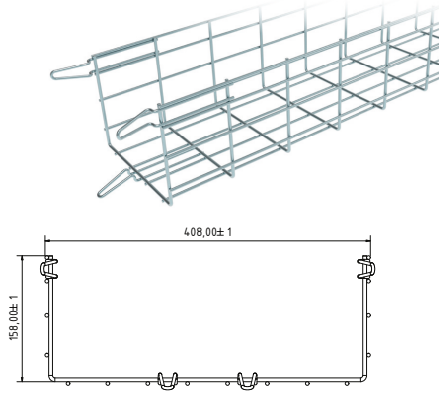
* Sección transversal / Cross Section / Section transversale



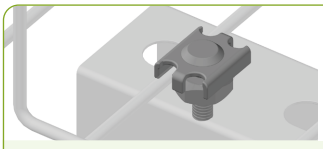
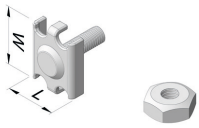
EZ	HDG	IN 304 / IN 316L	H (mm)	W (mm)	Su* (cm²)	SWL (N/m)
EC150.200EZ	EC150.200HDG	EC150.200IN	155	208	285,08	599
EC150.300EZ	EC150.300HDG	EC150.300IN	158	308	443,05	606
EC150.400EZ	EC150.400HDG	EC150.400IN	158	408	596,25	615
EC150.450EZ	EC150.450HDG	EC150.450IN	155	458	659,68	623
EC150.500EZ	EC150.500HDG	EC150.500IN	158	508	749,45	631
EC150.600EZ	EC150.600HDG	EC150.600IN	158	608	902,04	638

Length: 3 m

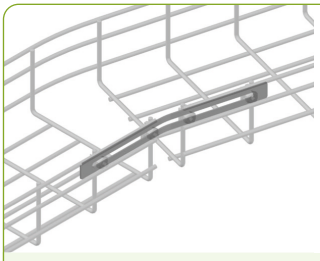
* Sección transversal / Cross Section / Section transversale



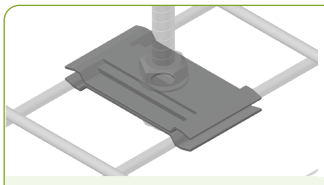
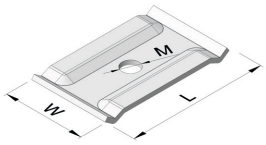
TYPE OF ACCESSORY | Fixing | Supporting | Installation

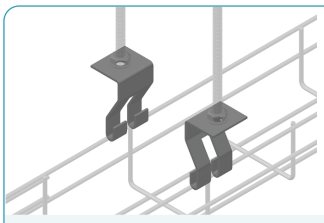
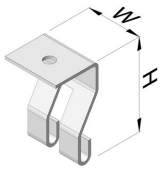
EZ	ZF	IN 304	W (mm)	L (mm)
FASEZ	FASZF	FASIN	23	20



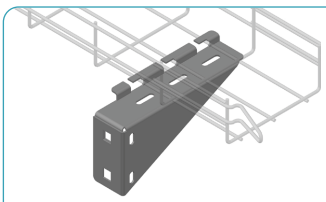
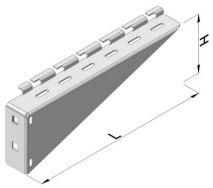

SG	EZ	HDG	IN 304	L (mm)	W (mm)
JS200SG	JS200EZ	JS200HDG	JS200IN	200	22
JS400SG	JS400EZ	JS400HDG	JS400IN	400	22
JS750SG	JS750EZ	JS750HDG	JS750IN	750	22
JS1050SG	JS1050EZ	JS1050HDG	JS1050IN	1050	22

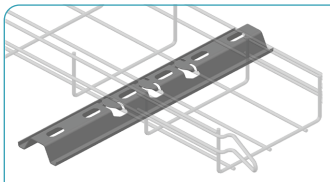
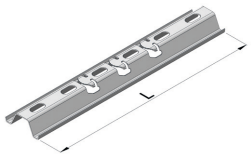
EZ	ZF	IN 304	W (mm)	L (mm)	M Ø
SC6EZ	SC6ZF	SC6IN	35	60	6
SC8EZ	SC8ZF	SC8IN	35	60	8
SC10EZ	SC10ZF	SC10IN	35	60	10

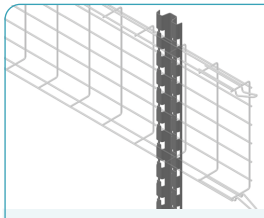
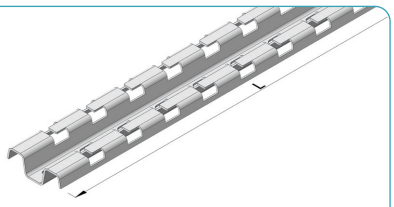
SG	ZF	IN 304	W (mm)	L (mm)
PSTSG	PSTZF	PSTIN	65	40

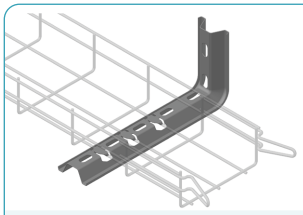
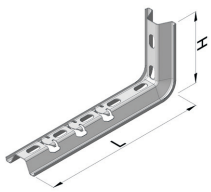
SG	HDG	IN 304	H (mm)	L (mm)
SE100SG	SE100HDG	SE100IN	86	141
SE150SG	SE150HDG	SE150IN	86	190
SE200SG	SE200HDG	SE200IN	86	241
SE300SG	SE300HDG	SE300IN	111	341
SE400SG	SE400HDG	SE400IN	121	441
SE500SG	SE500HDG	SE500IN	162	541
SE600SG	SE600HDG	SE600IN	159	641

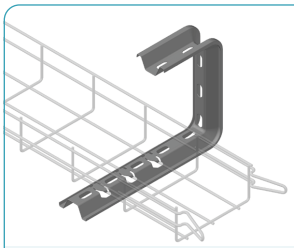
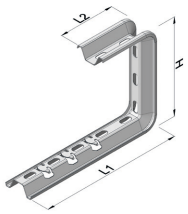
SG	HDG	IN 304	L (mm)
SOA10SG	SOA10HDG	SOA10IN	250
SOA15SG	SOA15HDG	SOA15IN	300
SOA20SG	SOA20HDG	SOA20IN	350
SOA30SG	SOA30HDG	SOA30IN	450
SOA40SG	SOA40HDG	SOA40IN	550
SOA50SG	SOA50HDG	SOA50IN	650
SOA60SG	SOA60HDG	SOA60IN	750

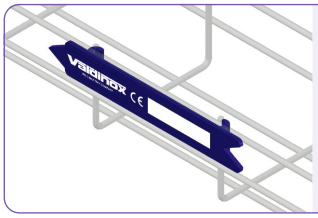
SG	HDG	IN 304	L (mm)
SOAL1SG	SOAL1HDG	SOAL1IN	1000
SOAL2SG	SOAL2HDG	SOAL2IN	2000
SOAL3SG	SOAL3HDG	SOAL3IN	2990

SG	HDG	IN 304	H (mm)	L (mm)
SOC10SG	SOC10HDG	SOC10IN	115	215
SOC15SG	SOC15HDG	SOC15IN	115	265
SOC20SG	SOC20HDG	SOC20IN	115	315
SOC30SG	SOC30HDG	SOC30IN	115	415
SOC40SG	SOC40HDG	SOC40IN	115	515

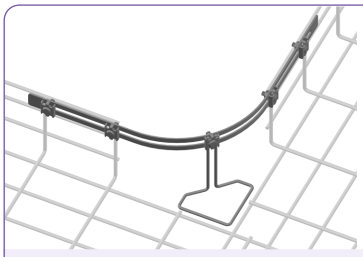



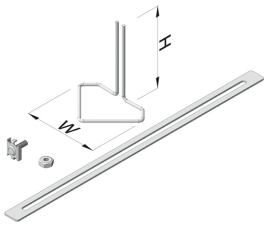
SG	HDG	IN 304	H (mm)	L1 (mm)	L2 (mm)
SOPC10SG	SOPC10HDG	SOPC10IN	180	215	115
SOPC15SG	SOPC15HDG	SOPC15IN	180	265	115
SOPC20SG	SOPC20HDG	SOPC20IN	180	315	115
SOPC30SG	SOPC30HDG	SOPC30IN	180	415	115



Ref.
PLASTIC TAG

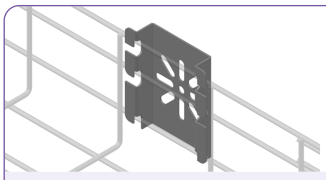
COATING | SG Pregalvanized | HDG Hot Dipped Galvanized | ZF Zink Flake coating | EZ Electroplated zinc + high resistance passivation | IN 304 Stainless Steel AISI 304

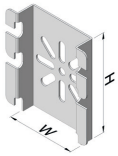




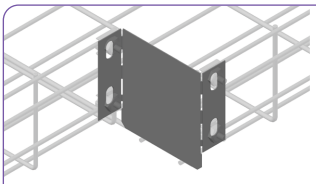
EZ	IN 304	H (mm)	W (mm)	L (mm)
Wire Base 100EZ	Wire Base 100IN	105	100	—
Wire Base 150EZ	Wire Base 150IN	150	100	—
JS500EZ	JS500IN	22	—	500
FASEZ	FASIN	—	23	20

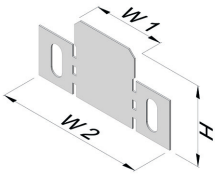
EZ	IN 304	FASEZ	JS500EZ	Wire Base
CFK100EZ	CFK100IN	5	1	1
CFK150EZ	CFK150IN	10	2	1



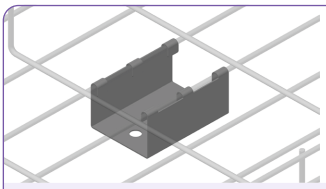


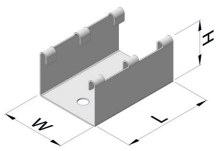
SG	ZF	IN 304	H (mm)	W (mm)
DB100SG	DB100ZF	DB100IN	95	66



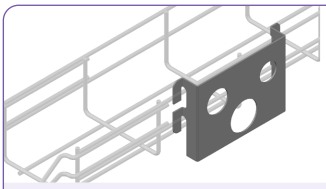


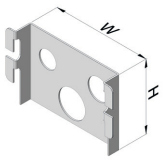
SG	ZF	IN 304	H (mm)	W1 (mm)	W2 (mm)
EP2.2.SG	EP2.2.ZF	EP2.2.IN	57,15	50,8	111,13
EP2.4.SG	EP2.4.ZF	EP2.4.IN	107,95	50,8	111,13
EP4.2.SG	EP4.2.ZF	EP4.2.IN	57,15	101,6	161,93
EP4.4.SG	EP4.4.ZF	EP4.4.IN	107,95	101,6	161,93



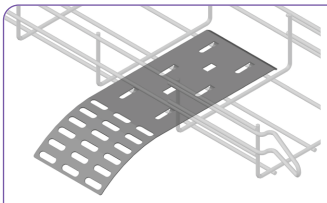


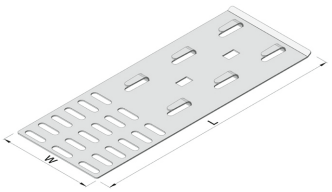
SG	ZF	IN 304	H (mm)	W (mm)	L (mm)
LFSSG	LFSZF	LFSIN	40	57	80



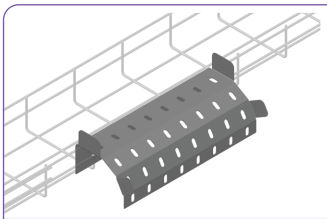


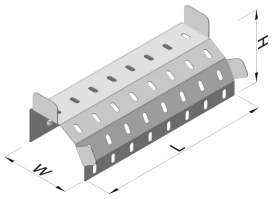
SG	ZF	IN 304	H (mm)	W (mm)
STSG	STZF	STIN	80	110



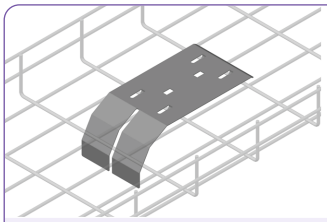


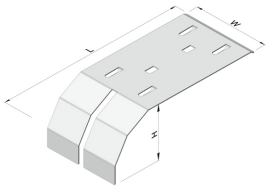
SG	EZ	ZF	IN 304	W (mm)	L (mm)
SCSG	SCEZ	SCZF	SCIN	87	230



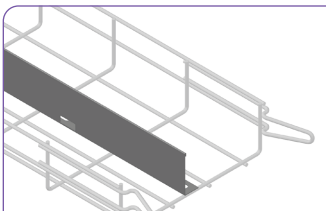


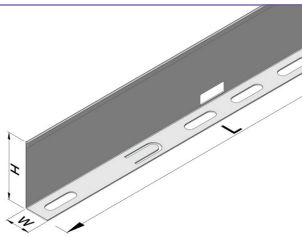
SG	IN 304	H (mm)	W (mm)	L (mm)
SCASG	SCAIN	68	102	275



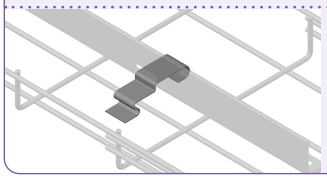


SG	IN 304	H (mm)	W (mm)	L (mm)
SCLMSG	SCLMIN	68	91	189

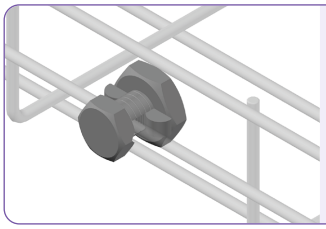




SG	HDG	IN 304	H (mm)	W (mm)	L (mm)
SEP30SG	SEP30HDG	SEP30IN	29	19	3000
SEP60SG	SEP60HDG	SEP60IN	50	19	3000
SEP100SG	SEP100HDG	SEP100IN	90	19	3000



SG	ZF	IN 304
CSEPSG	CSEPZF	CSEPIN

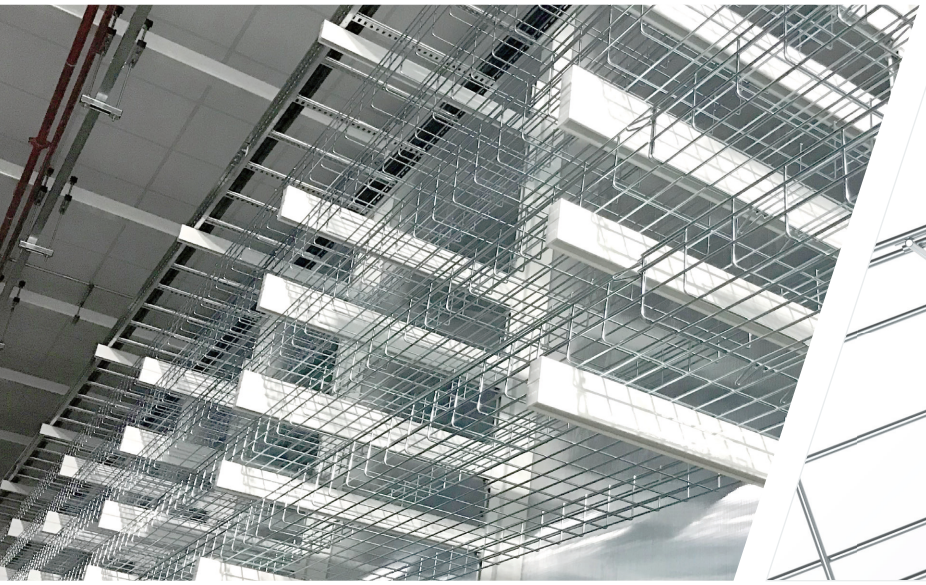


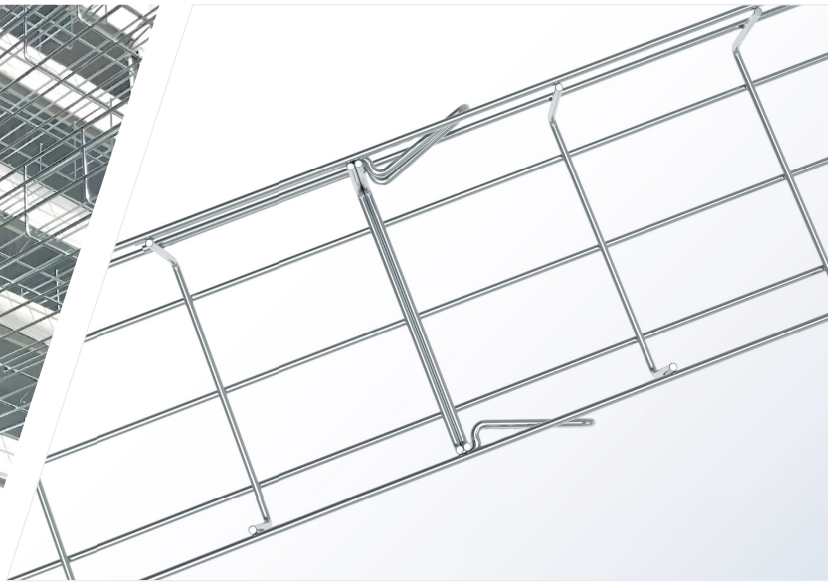
Ref.	
MAT	Brass

Diametre of earthing cable: 25mm
Available for larger cable diameters

Experience

VALDINOX supplies wire mesh trays for all types of projects around the world, guaranteeing quality and performance. We provide in-depth knowledge as a result of a 40 year industrial experience working alongside engineering firms, construction companies and installers.





Valdinox
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