



Catalogue for **Data Centres**



The most reliable and efficient
basket cable tray for Data Centres

VALDINOX is internationally recognized for the quality of our cable trays for data centers. These critical infrastructures require more efficient, sustainable, and scalable installations, and mesh cable trays are the optimal solution providing optimal cable performance and increasing safety and sustainability of installations.

VALDINOX. Innovation that makes a difference

VALDINOX has won its position as a global leader in wire mesh cable trays, thanks to our in-depth technical knowledge and a firm commitment to innovation. These core values of our company are reflected in the EASYCONNECT® trays.

VALDINOX. Agility and Production Capacity.

We put our extensive production capacity and operational agility to the service of our customers to guarantee the most demanding delivery times and offering efficient solutions to all technical challenges arising in the data center industry.

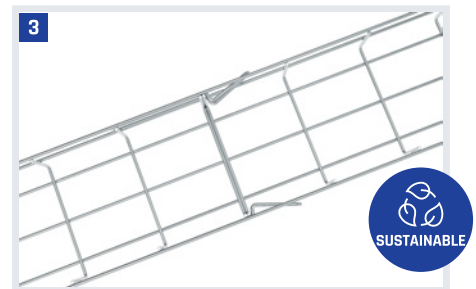
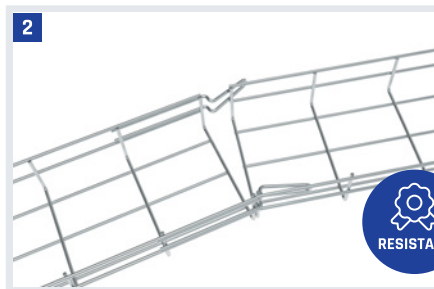
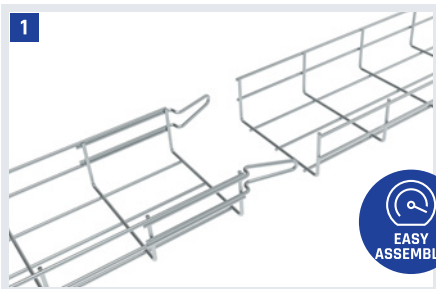
EASYCONNECT®
BASKET TRAY

EASYCONNECT® is safety and reliability IN 1 CLICK

EASYCONNECT® provides unbeatable advantages in terms of lifespan and safety thanks to its patented, 100% integrated connection system.

- 1 Ultra-fast installation, eliminating the need for fixing accessories.
- 2 Zinc Whisker Free electrolytic coating.
- 3 Safety wire edges.

In addition, EASYCONNECT® offers a range of quick-installation accessories specifically designed for data centers, such as bend kits and cable outlets adapted to fiber optic cables, with an optimal bend radius to prevent attenuation of transmission capacity and ensure reliable, uninterrupted signal quality.



Optimal ducting for fiber optic cables

The unique characteristics of fiber optic cables require careful design of cable routing, observing the permissible bend radii to avoid attenuation of transmission capacity and ensure reliable and uninterrupted signal quality.

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

EASYCONNECT cable trays and accessories for Data Centers have been designed considering the technical specificities of fiber optic cables:

1. PATENTED DESIGN

EASYCONNECT® basket cable trays not only are a quick to install and completely reliable system, they also eliminate the need for fixing accessories like plates or screws, which, due to their angular shapes, pose a risk to the integrity of the cables.

2. CABLE DROPOUTS

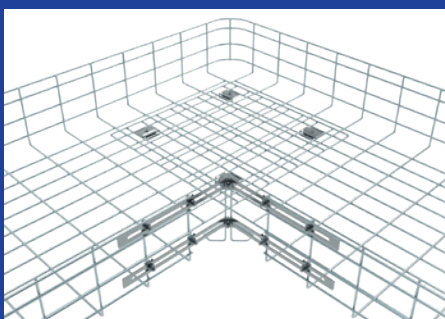
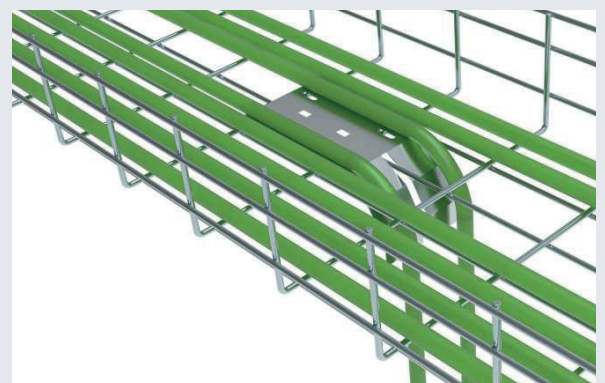
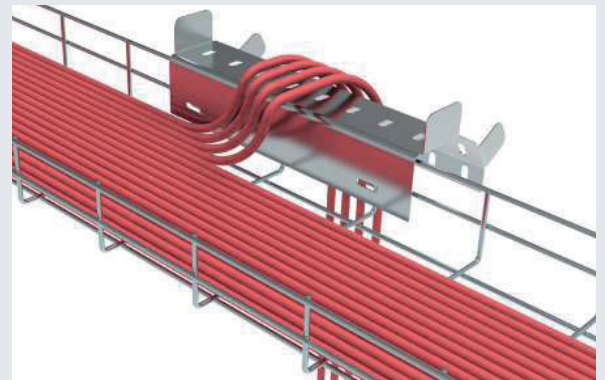
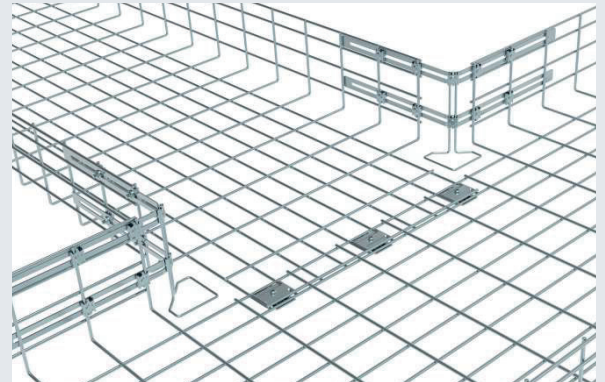
Cable dropouts feature specially designed bend radii, allowing for optimal performance of the fiber optic transmission capabilities.

3. CFK ACCESSORIES

CFK accessories provide additional protection for cables at bends and intersections.

4. QUICK FIXING SYSTEM

All accessories feature a quick, screwless fixing design that reduces the need for tools.



TIP:

A technical tip is to measure the cable's external diameter and multiply it by 20 times to obtain an approximate reference value for the minimum bending radius.

$$R_c = 20 \times D_c^*$$

*Where D_c is the external diameter of the cable sheath



Zinc Whisker-Free Coating

EZ Whisker Stopper

Zinc whiskers are microscopic zinc filaments that spontaneously form on metal surfaces coated with zinc through an electrolytic process. These whiskers pose a potential risk to electronic devices because they can cause micro-short circuits and electrical failures in critical systems.

EZ

VALDINOX has led the most advanced research to date.

Determining the factors that must be controlled during the electrolysis process to prevent the physical phenomenon that triggers the appearance of zinc whiskers.

A four-year investigation, the most exhaustive conducted to date, in collaboration with LADICIM - Laboratory of the Materials Science and Engineering Division of the Faculty of Civil Engineering at the University of Cantabria - has allowed us to establish the three main parameters that make our EZ coating a truly whisker-free coating and the best option for data centers.

01

Greater Zn layer thickness (+10 μm)

Thicker zinc layers (+10 μm) reduce residual and compressive stress, slowing the growth rate of filaments.

02

Passivation with Cr3 salts.

Trivalent chromium (Cr3) salts inhibit the appearance of Zn filaments.

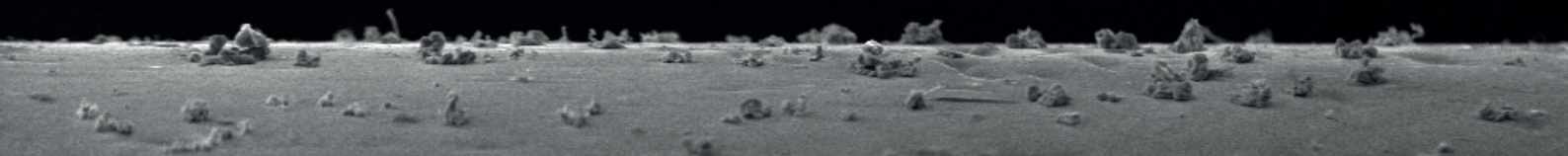
03

Acidic Electrolyte

Zinc coatings based on acidic electrolytes have longer incubation periods than other coatings and show a lower density of Zn mounds and filaments.

VALDINOX EZ Coating

The most efficient and reliable solution to avoid Zinc Whiskers

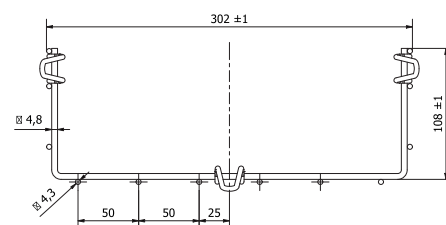
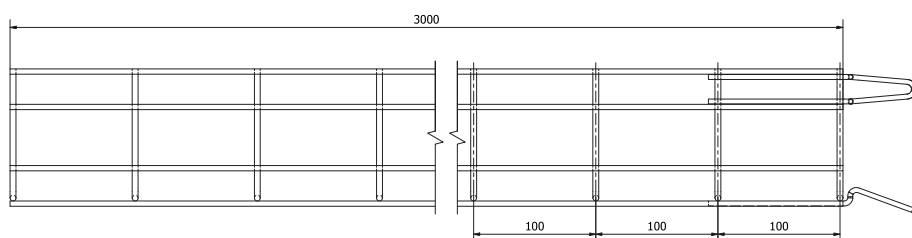
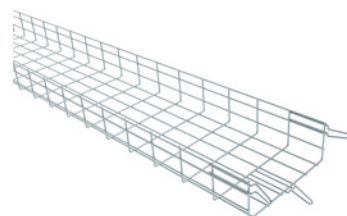


Range for DATA CENTRES

EASYCONNECT
BASKET TRAY

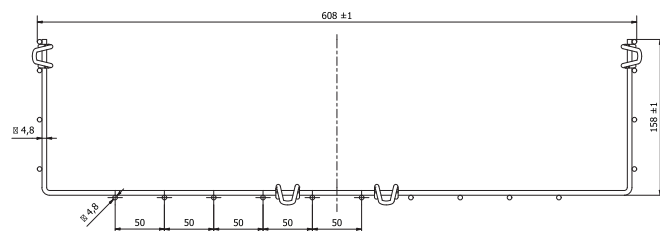
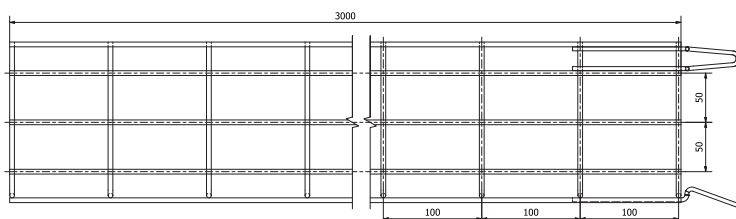
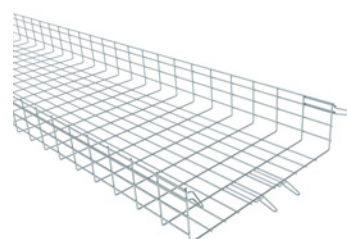
EASYCONNECT® EC100 basket cable trays

EZ	HDG	IN	Height (mm)	Width (mm)	SWL load capacity (N/m)	Cross section Su = (cm ²)
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



EASYCONNECT® EC150 basket cable trays

EZ	HDG	IN	Height (mm)	Width (mm)	SWL load capacity (N/m)	Cross section Su = (cm ²)
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



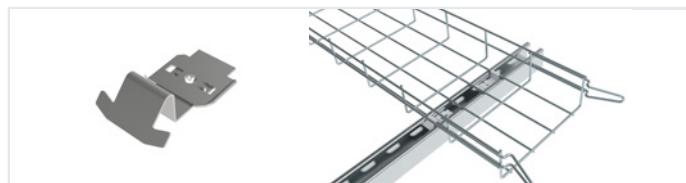
DATA CENTER Product Range

EASYCONNECT
BASKET TRAY

Fixing Accessories for bends



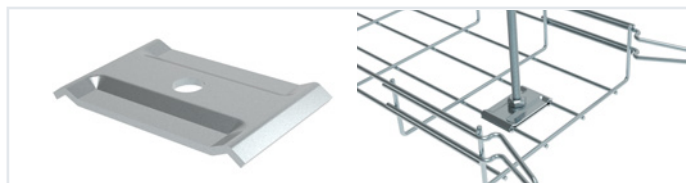
EZ	ZF	IN	Weight (kg)	Metric Thread	W (mm)	L (mm)
FASEZ	FASZF	FASIN	0,018	6	23	24



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



SG	ZF	IN	Weight (kg)	Thickness (mm)	H (mm)	L (mm)
JS500SG	JS500EZ	JS500IN	0,125	2	22	500



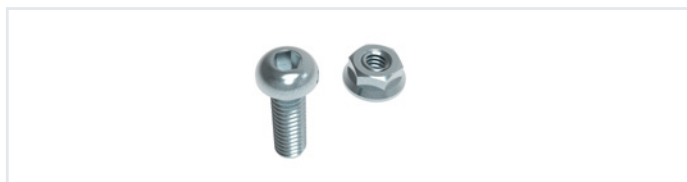
EZ	ZF	IN	Weight (kg)	Metric Thread	Thickness (mm)	W (mm)	L (mm)
SC6EZ	SC6ZF	SC6IN	0,031	6	2	35	60



EZ	IN	Weight (kg)
CFK100EZ	CFK100IN	0,28
CFK150EZ	CFK150IN	0,481



EZ	ZF	IN	Weight (kg)	Metric Thread	W (mm)	L (mm)
UUEZ	UUZF	UUIIN	0,027	6	25	24
UUEZ-B	UU-B	UUIIN-B	0,014	n.d.	25	24



EZ	Weight (kg)	Metric Thread	W (mm)
TAM6EZ	0,009	6	25

Range for DATA CENTRES

EASYCONNECT
BASKET TRAY

Cable lay-out



SG

ZF

IN

ST2SG

ST2ZF

ST2IN



SG

ZF

IN

Weight
(kg)

Thickness
(mm)

H
(mm)

W
(mm)

STSG

STZF

STIN

0,118

1,5

80

110



EZ

SG

HDG

IN

Weight
(kg)

Thickness
(mm)

H
(mm)

W
(mm)

SCEZ

SCSG

SCZF

SCIN

0,145

1

230

87



SG

IN

Weight
(kg)

Thickness
(mm)

H
(mm)

W
(mm)

L
(mm)

SCLMSG

SCLMIN

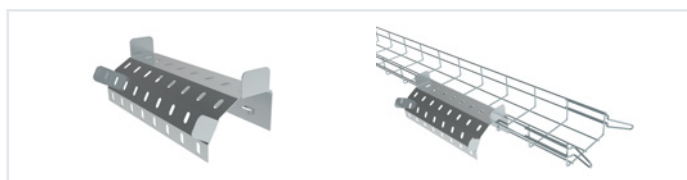
0,145

1

68

91

189



SG

IN

Weight
(kg)

Thickness
(mm)

H
(mm)

W
(mm)

L
(mm)

SCASG

SCAIN

0,436

1

68

102

275



EZ

Weight
(kg)

Metric
Thread

L
(mm)

MAT

0,037

25

29



SG

IN

Weight
(kg)

Metric
Thread

Thickness
(mm)

H
(mm)

W
(mm)

L
(mm)

SEP100SG

SEP100IN

2,049

7

0,8

90

19

3000

SEP150SG

SEP150IN

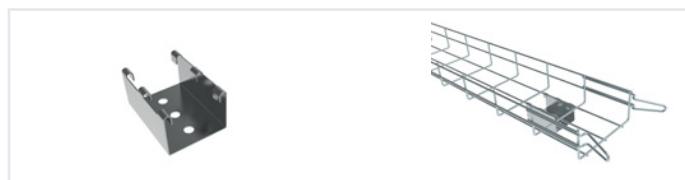
7

0,8

140

19

3000



SG

ZF

IN

Weight
(kg)

Thickness
(mm)

H
(mm)

W
(mm)

LFSSG

LFSZF

LFSIN

0,085

1

40

80



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