

valdinox

THE CABLE TRAY COMPANY



ADVANCED Cable Tray Systems



PRODUCT CATALOGUE: EASYCONNECT SYSTEMS - CABLE TRAYS - MOUNTING BRACKETS - FITTINGS

easyconnect

Strong and Agile Cable Tray Assembling System

Valdinox

THE CABLE TRAY COMPANY

easyconnect
Systems

OTHERS



SAVE TIME
INCREASE PRODUCTIVITY



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Welcome to
VALDINOX



Decades ago we were the first company to produce wire mesh cable trays in Spain, which were later marketed in Spain by large firms of the sector. From the very beginning we have been committed to the development and improvement of metal systems for electric cable channelling and management, in order to offer the best solution, the fastest response and the best customer service, meeting the specific needs of each installation.

Our experience as manufacturers and our commitment to the development of the sector encourages us to continually improve so as to contribute value to an ever-increasing competitive and exacting market.

VALDINOX products are present in small and large engineering projects, including infrastructures, shipbuilding, as well as in all kinds of industries and facilities pertaining to any type of renewable energy, such as photovoltaic plants, wind farms and aerogenerators.



VALDINOX



QUALITY AND COMMITMENT

For more than a decade, VALDINOX has implemented and CERTIFIED its quality assurance system in accordance with the UNE EN ISO 9001:2000 STANDARD, manufacturing likewise, all of its products by complying with all the regulations of the sector:

QUALITY CERTIFICATES:

UNE 61537: 2007
RAEE 2002/96/CE
UL
DIN4102-12 (E30-60-90).

ENVIRONMENTAL STANDARDS:

Environmental Directives RoHS 2002/95/CE



VALDINOX

EASYCONNECT

Strong and Agile Cable Tray Assembling System



EASYCONNECT SYSTEM (PATENTED)

As a result of our experience and of the values that impel our activity as manufacturers, we have created and **Patented EASYCONNECT**, an innovative assembly system for electrowelded wire mesh cable trays with distinctive characteristics that make **Patented EASYCONNECT** the best cable trunking system on the market.

MAXIMUM VERSATILITY

Patented EASYCONNECT System makes it unnecessary to use expensive and obsolete tray assembly fittings: Mounting parts, screws, connecting plates, none of these fittings are necessary to have a complete cable channelling system.

Patented EASYCONNECT reduces installation time to the maximum, thanks to the simplicity of the installation process.

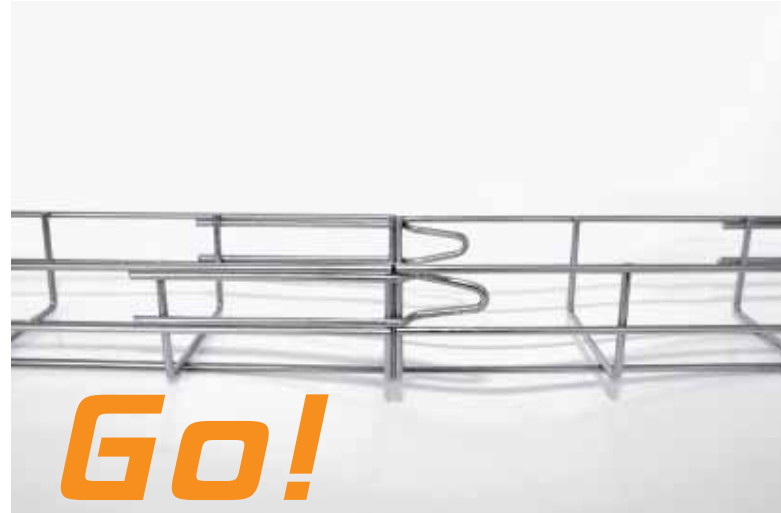


**Maximum
AGILITY AND ASSEMBLING
EASINESS**



**Maximum
RESISTANCE**

VALDINOX



MAXIMUM RESISTANCE

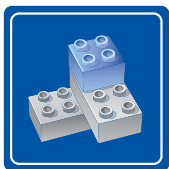
Patented EASYCONNECT is strong and resistant system that has been certified fulfilling the normative and directives in the industry: Environmental directives, **RoHS 2002/95/CE** y **RAEE 2002/96/CE**, free from Hexavalent Chromium, **ISO, UL, DIN4102-12 (E30-60-90)**.

Patented EASYCONNECT cable trays have passed the hardest tests on workload and electrical continuity going above and improving the requirements of conventional systems.

MAXIMUM SECURITY

Patented EASYCONNECT help to reduce risk of accidents during installation works. This system allows the worker to focus its attention on the cable tray itself, therefore, other tools, screws and accessories are not longer a problem or distraction for the worker.

All the products have been designed and produced in order to avoid damages on both workers and cables.



Maximum SECURITY



Maximum WORKLOAD

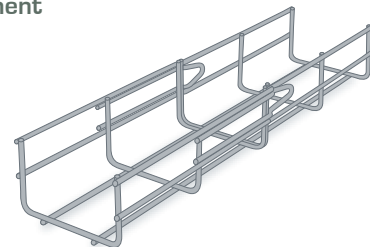
VALDINOX

EASYCONNECT

Strong and Agile Cable Tray Assembling System

ZINC PLATED STEEL					
Material	Tensile strenght	Yield strenght	Electrical Continuity		
Steel C9D (EN 10016-2/94)	70 Kg/mm ²	67 Kg/mm ²	According to requisites EN 61537:2007		
Zinc trivalent bichromium plating according to ISO 2081:1986 with trivalent chromium passivation (Cr3+) according to UNE 112050:1994 and ISO 4520:1981. Minimum Thickness 8µ					
ENVIRONMENTALLY FRIENDLY: According to EU Directive 2002/95/CE RoHS and later modifications. Free of Hexavalent chromium Cr6					
Classified 2 according to EN 61537 :2007					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
EC.30.060-EZ	30	60	3,90	0,500	48
EC.30.100-EZ		100	3,90	0,550	24
EC.30.150-EZ		150	3,90	0,700	18
EC.30.200-EZ		200	3,90	0,820	18
EC.30.300-EZ		300	4,30	1,350	18
EC. 60.060-EZ	60	60	3,90	0,550	48
EC. 60.100-EZ		100	3,90	0,770	24 and 12
EC. 60.150-EZ		150	3,90	0,840	18
EC. 60.200-EZ		200	3,90	1,070	18 and 12
EC. 60.300-EZ		300	4,30	1,640	12
EC. 60.400-EZ		400	4,30 - 4,80	2,100	12
EC. 60.500-EZ		500	4,60 - 4,80	2,700	6
EC. 60.600-EZ		600	4,60 - 4,80	3,200	6
EC.100.200-EZ	100	200	4,30	1,640	6
EC.100.300-EZ		300	4,30 - 4,80	2,100	6
EC.100.400-EZ		400	4,60 - 4,80	2,700	6
EC.100.500-EZ		500	4,60 - 4,80	3,200	6
EC.100.600-EZ		600	4,80	3,700	6

- Tray standard lenght 3000 mm.
- Suitable for indoor electrical installations with a normal environment
- Unbeatable quality of electrowelding and plating processes



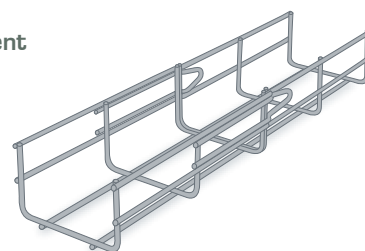
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EASYCONNECT

Strong and Agile Cable Tray Assembling System

HOT DIP GALVANIZED STEEL					
Material	Tensile strength	Yield strength	Electrical Continuity		
Steel C9D (EN 10016-2/94)	70 Kg/mm ²	67 Kg/mm ²	According to requisites EN 61537:2007		
Hot Dip Galvanized process according to UNE EN ISO 1461. Galvanized plating Thickness: Min. 85µ - Av. 100µ					
Zinc according to standard UNE EN 1179					
Classified 8 according EN 61537: 2007					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
EC.30.060-GC	30	60	3,90	0,567	48
EC.30.100-GC		100	3,90	0,600	24
EC.30.150-GC		150	3,90	0,750	18
EC.30.200-GC		200	3,90	0,920	18
EC.30.300-GC		300	4,30	1,500	18
EC.60.060-GC	60	60	3,90	0,600	48
EC.60.100-GC		100	3,90	0,860	24 and 12
EC.60.150-GC		150	3,90	1,020	18
EC.60.200-GC		200	3,90	1,200	18 and 12
EC.60.300-GC		300	4,30	1,820	12
EC.60.400-GC		400	4,30 - 4,80	2,380	12
EC.60.500-GC		500	4,60 - 4,80	3,080	6
EC.60.600-GC	600	4,60 - 4,80	3,560	6	
EC.100.200-GC	100	200	4,30	1,820	6
EC.100.300-GC		300	4,30 - 4,80	2,380	6
EC.100.400-GC		400	4,60 - 4,80	3,080	6
EC.100.500-GC		500	4,60 - 4,80	3,256	6
EC.100.600-GC		600	4,80	4,200	6

- Tray standard length 3000 mm
- Suitable for indoor electrical installations with a normal environment
- Indoor and outdoor installations with acid or alkaline environment
- Outdoor installations with halogene environment
- Unbeatable quality of electrowelding and plating processes



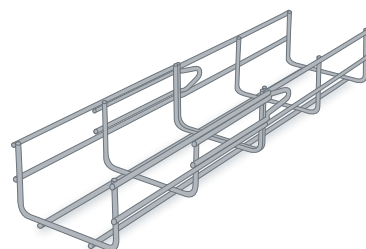
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EASYCONNECT

Strong and Agile Cable Tray Assembling System

STAINLESS STEEL					
Material		Tensile strength RT N/mm ²		Electrical Continuity	
Stainless Steel AISI 304 L		765 N/mm ²		According to requisites EN 61537:2007	
Passivated Steel (Chemical removal of all particules and contaminants that may have been stuck in the manufacturing process). WITHOUT RIDGES OR SCRATCHES.					
Classified 9D according to EN 61537:2007 (Stainless Steel with aftertreatment)					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
EC.30.060-IN	30	60	4,00	0,50	48
EC.30.100-IN		100	4,00	0,64	24
EC.30.150-IN		150	4,00	0,70	18
EC.30.200-IN		200	4,00	0,90	18
EC.30.300-IN		300	4,00	1,40	18
EC.60.060-IN	60	60	4,00	0,64	48
EC.60.100-IN		100	4,00	0,84	24 and 12
EC.60.150-IN		150	4,00	0,90	18
EC.60.200-IN		200	4,00	1,14	18 and 12
EC.60.300-IN		300	4,40	1,74	12
EC.60.400-IN		400	4,40	2,10	12
EC.60.500-IN		500	4,40	2,46	6
EC.60.600-IN		600	4,40	2,83	6
EC.100.200-IN	100	200	4,40	1,74	6
EC.100.300-IN		300	4,40	2,10	6
EC.100.400-IN		400	4,40	2,46	6
EC.100.500-IN		500	4,40	2,83	6
EC.100.600-IN		600	4,40	3,20	6

- Tray standard Length 3000 mm
- Suitable for indoor and outdoor electrical installations with very aggressive environment
- SAFETY EDGES
- Ideal for pharmaceutical, food and other industries due to its antiseptic characteristics
- Unbeatable quality of electrowelding processes

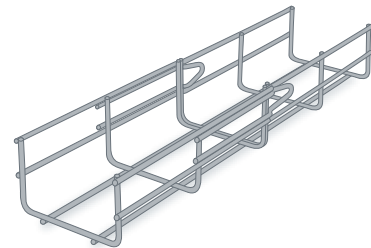


EASYCONNECT

Strong and Agile Cable Tray Assembling System

STAINLESS STEEL					
Material	Tensile Strength RT N/mm ²		Electrical Continuity		
Stainless Steel AISI 316 L	765 N/mm ²		According to requisites EN 61537:2007		
Passivated Steel (Chemical removal of all particules and contaminants that may have been stuck in the manufacturing process). WITHOUT RIDGES OR SCRATCHES.					
Classification 9D according to EN 61537:2007 (Stainless Steel with aftertreatment)					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
EC.30.060-IN	30	60	4,00	0,50	48
EC.30.100-IN		100	4,00	0,64	24
EC.30.150-IN		150	4,00	0,70	18
EC.30.200-IN		200	4,00	0,90	18
EC.30.300-IN		300	4,00	1,40	18
EC.60.060-IN	60	60	4,00	0,64	48
EC.60.100-IN		100	4,00	0,84	24 and 12
EC.60.150-IN		150	4,00	0,90	18
EC.60.200-IN		200	4,00	1,14	18 and 12
EC.60.300-IN		300	4,40	1,74	12
EC.60.400-IN		400	4,40	2,10	12
EC.60.500-IN		500	4,40	2,46	6
EC.60.600-IN		600	4,40	2,83	6
EC.100.200-IN	100	200	4,40	1,74	6
EC.100.300-IN		300	4,40	2,10	6
EC.100.400-IN		400	4,40	2,46	6
EC.100.500-IN		500	4,40	2,83	6
EC.100.600-IN		600	4,40	3,20	6

- Tray standard Length 3000 mm.
- Suitable for indoor and outdoor electrical installations with very aggressive environment
- Ideal for pharmaceutical, food and other industries due to its antiseptic characteristic
- SAFETY EDGES
- Unbeatable quality of electrowelding processes.



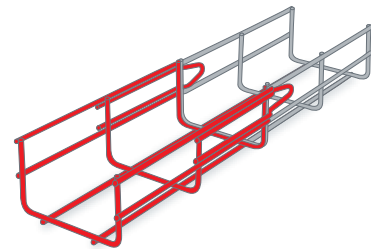
EPOXY COATED

easyCONNECT

Strong and Agile Cable Tray Assembling System

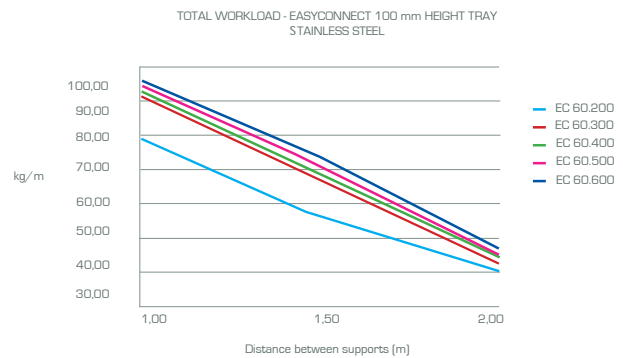
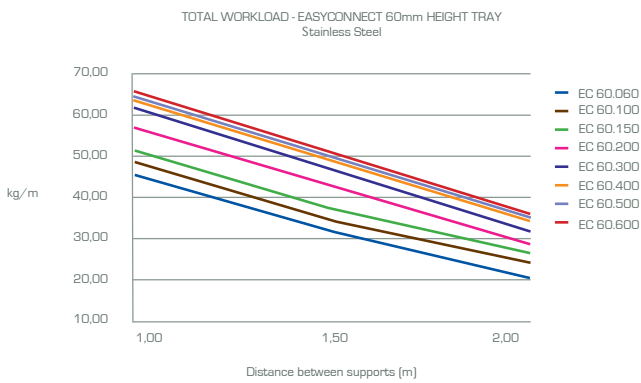
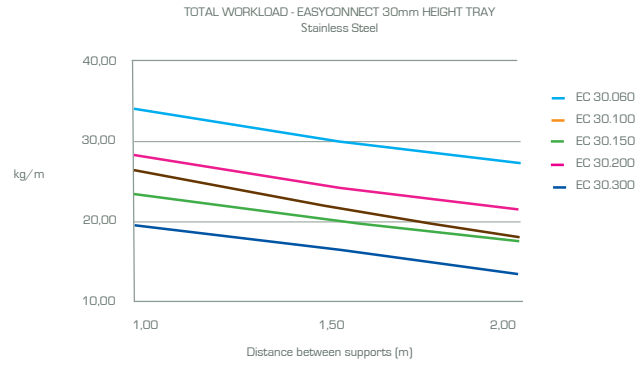
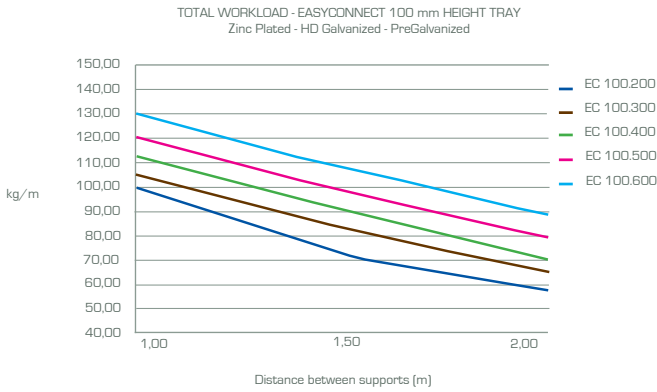
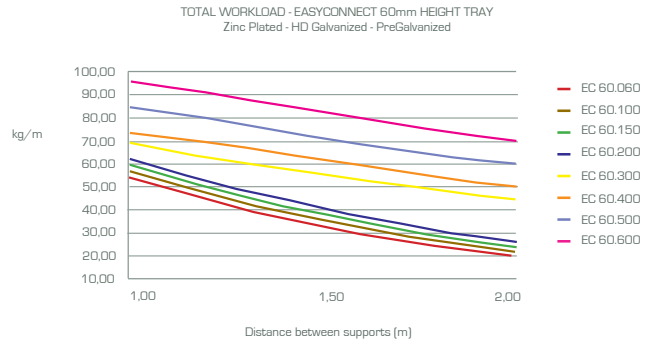
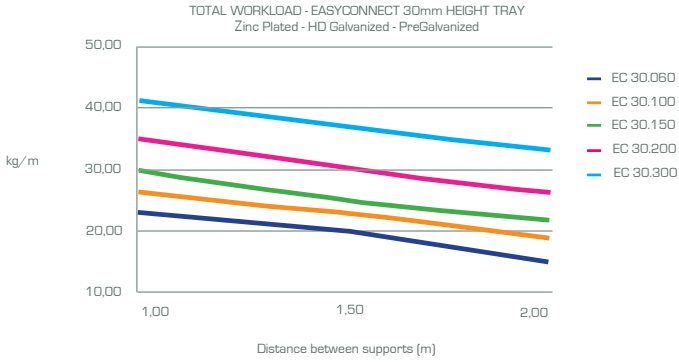
EPOXY - POLYESTER COATED					
Material	Tensile strength	Yield strength		Electrical Continuity	
Acero C9D (EN 10016-2/94)	70 Kg/mm ²	67 Kg/mm ²		According to requisites EN 61537:2007	
Epoxy Polyester coating. Min. coating 60µ					
Resistance to corrosion: Salt Fog test - Min. 300 hours in a corrosive environment of dense saline fog.					
AVAILABLE IN ANY COLOUR					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
EC.30.060-EP	30	60	3,90	0,500	48
EC.30.100-EP		100	3,90	0,550	24
EC.30.150-EP		150	3,90	0,700	18
EC.30.200-EP		200	3,90	0,820	18
EC.30.300-EP		300	4,30	1,350	18
EC.60.060-EP	60	60	3,90	0,550	48
EC.60.100-EP		100	3,90	0,770	24 and 12
EC.60.150-EP		150	3,90	0,840	18
EC.60.200-EP		200	3,90	1,070	18 and 12
EC.60.300-EP		300	4,30	1,640	12
EC.60.400-EP		400	4,30 - 4,80	2,100	12
EC.60.500-EP		500	4,60 - 4,80	2,700	6
EC.60.600-EP		600	4,60 - 4,80	3,200	6
EC.100.200-EP	100	200	4,30	1,640	6
EC.100.300-EP		300	4,30 - 4,80	2,100	6
EC.100.400-EP		400	4,60 - 4,80	2,700	6
EC.100.500-EP		500	4,60 - 4,80	3,200	6
EC.100.600-EP		600	4,80	3,700	6

- Tray standard Length 3000 mm.
- Suitable for indoor and outdoor electrical installations with normal environment
- Ideal for food industry due to its antiseptic characteristics
- SAFETY EDGES
- Unbeatable quality of electrowelding processes.



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WORKLOAD CHARTS FOR EASYCONNECT CABLE TRAYS

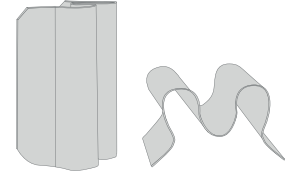


FITTINGS

easyconnect

Strong and Agile Cable Tray Assembling System

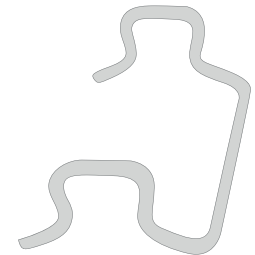
MCLICK FAST FITTING				
Fastest Cable Tray fitting in the market				
Hardened carbon steel C67S (EN 10132-4)				
Reference	Thickness (mm)	Width (mm)	Hardness (HV)	Units per package
MCLICK	0,3	24	200	50
Roughness (Ra)	Yield Strength (N/mm ²)	Elongation Lo=80mm	Tensile Strength (N/mm ²)	
max 0,40	510	16%	640	



STEEL COMPONENTS		
ELEMENTS	MIN. %	MAX. %
Carbon	0,65%	0,73%
Manganese	0,60%	0,90%
Silicon	0,15%	0,35%
Phosphorus	0,00%	0,00%
Sulphur	0,00%	0,00%
Nickel	0,00%	0,00%
Chromium	0,00%	0,00%
Molybdenum	0,00%	0,00%

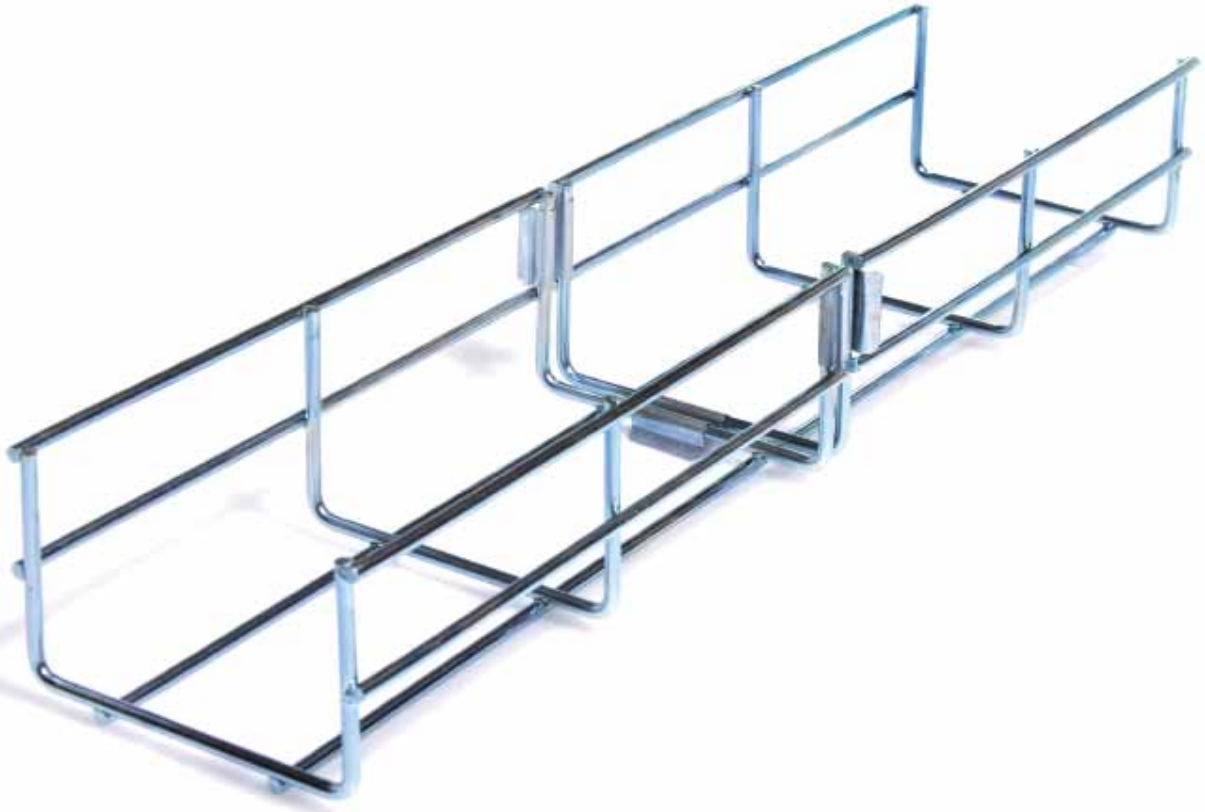
- Available for any diametre of rod

EASYCLASP FAST FITTING				
Steel AISI 304L. Tolerance ISO H11. Intergranular corrosion tests results according to ASTM-A-262 PRACTICE "E"				
Hardened carbon steel C67S (EN 10132-4)				
Roughness (Ra)	Yield Strength (N/mm ²)	Elongation (100%) %	Tensile Strength (N/mm ²)	Units per package
ECLASP	MAX. 60 MIN. 49	MAX. 46% MIN. 40%	MAX. 80 MIN. 78	50



STEEL COMPONENTS		
ELEMENTS	MIN. %	MAX. %
Carbon	0,055%	0,080%
Manganese	1,408%	2,000%
Silicon	0,330%	0,750%
Phosphorus	0,031%	0,045%
Sulphur	0,007%	0,030%
Nickel	8,032%	10,500%
Chromium	18,000%	20,000%
Molybdenum	0,049%	0,100%

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WIRE MESH CABLE TRAY (ST SYSTEM)

The wire mesh cable tray systems provide multiple advantages over other conventional electric cable channelling systems. The framework comprised of longitudinal wires (in the direction of the wiring) and electro-welded cross wires, including the subsequent bending of the same, make this the perfect electric cable channelling system. Here are some of these advantages:

The wire mesh cable tray channelling enables visual control of the wiring, thus facilitating maintenance works, among others, due to its open structure, which is impossible to achieve in other types of channelling.

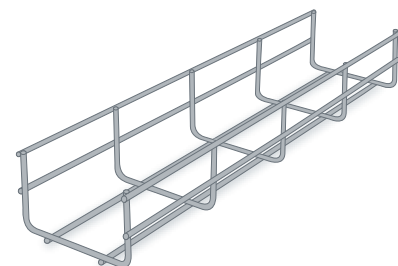
This open structure of the system likewise enables maximum ventilation of the wiring, as well as preventing the collection of filth within the system.

Another great advantage, of the wire mesh cable tray system over any other type of channelling, is the TOTAL EASE whereby it can be adapted to the space requirements of the works, due to the versatility of the same for making curves, cuts, angles, reductions, changes of level ...etc., all of this at the work site itself.

Once the installation is completed, it provides a light and airy appearance, something that can be increased by utilising the different possibilities of its surface finish.

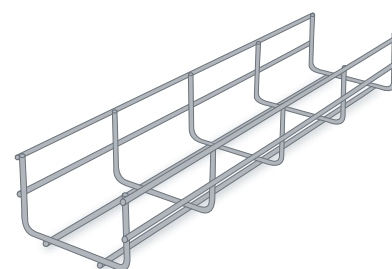
ZINC PLATED STEEL					
Material	Tensile strength	Yield strength		Electrical Continuity	
Steel C9D (EN 10016-2/94)	70 Kg/mm ²	67 Kg/mm ²		According to requisites EN 61537:2007	
Zinc trivalent bichromium plating according to ISO 2081:1986 with with trivalent chromium passivation [Cr3+] according to UNE 112050:1994 and ISO 4520:1981. Minimum Thickness 8µ.					
ENVIRONMENTALLY FRIENDLY: According to EU Directive 2002/95/CE RoHS and later modifications. Free of Hexavalent chromium Cr6					
Clasification 2 according to EN 61537 :2007					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
ST.30.060-EZ	30	60	3,90	0,500	48
ST.30.100-EZ		100	3,90	0,550	24
ST.30.150-EZ		150	3,90	0,700	18
ST.30.200-EZ		200	3,90	0,820	18
ST.30.300-EZ		300	4,30	1,350	18
ST.60.060-EZ	60	60	3,90	0,550	48
ST.60.100-EZ		100	3,90	0,770	24 and 12
ST.60.150-EZ		150	3,90	0,840	18
ST.60.200-EZ		200	3,90	1,070	18 and 12
ST.60.300-EZ		300	4,30	1,640	12
ST.60.400-EZ		400	4,30 - 4,80	2,100	12
ST.60.500-EZ		500	4,60 - 4,80	2,700	6
ST.60.600-EZ		600	4,60 - 4,80	3,200	6
ST.100.200-EZ	100	200	4,30	1,640	6
ST.100.300-EZ		300	4,30 - 4,80	2,100	6
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ST.100.500-EZ		500	4,60 - 4,80	3,200	6
ST.100.600-EZ		600	4,80	3,700	6

- Tray standard lenght 3000 mm.
- Suitable for indoor electrical installations with a normal environment
- Unbeatable quality of electrowelding and plating processes



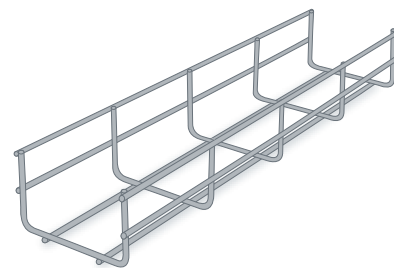
HOT DIP GALVANIZED STEEL					
Material	Tensile strength	Yield strength		Electrical Continuity	
Acero C9D (EN 10016-2/94)	70 Kg/mm ²	67 Kg/mm ²		According to requisites EN 61537:2007	
Hot Dip Galvanized process according to UNE EN ISO 1461. Galvanized plating Thickness: Min. 85µ - Av. 100µ					
Zinc according to standard UNE EN 1179					
Classified 8 according to EN 61537: 2007					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
ST.30.060-GC	30	60	3,90	0,567	48
ST.30.100-GC		100	3,90	0,600	24
ST.30.150-GC		150	3,90	0,750	18
ST.30.200-GC		200	3,90	0,920	18
ST.30.300-GC		300	4,30	1,500	18
ST.60.060-GC	60	60	3,90	0,600	48
ST.60.100-GC		100	3,90	0,860	24 and 12
ST.60.150-GC		150	3,90	1,020	18
ST.60.200-GC		200	3,90	1,200	18 and 12
ST.60.300-GC		300	4,30	1,820	12
ST.60.400-GC		400	4,30 - 4,80	2,380	12
ST.60.500-GC		500	4,60 - 4,80	3,080	6
ST.60.600-GC		600	4,60 - 4,80	3,560	6
ST.100.200-GC	100	200	4,30	1,820	6
ST.100.300-GC		300	4,30 - 4,80	2,380	6
ST.100.400-GC		400	4,60 - 4,80	3,080	6
ST.100.500-GC		500	4,60 - 4,80	3,256	6
ST.100.600-GC		600	4,80	4,200	6

- Tray standard lenght 3000 mm
- Suitable for indoor electrical installations with a normal environment
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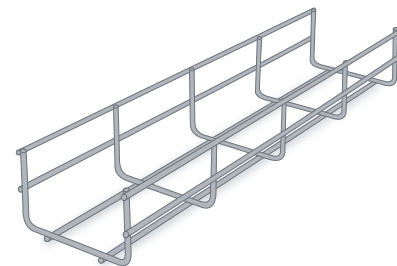
STAINLESS STEEL					
Material		Tensile strength RT N/mm ²		Electrical Continuity	
Stainless Steel AISI 304 L		765 N/mm ²		According to requisites EN 61537:2007	
Passivated Steel (Chemical removal of all particules and contaminants that may have been stuck in the manufacturing process). WITHOUT RIDGES OR SCRATCHES.					
Classification 9D according to EN 61537:2007 (Stainless Steel with aftertreatment)					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
ST.30.060-IN	30	60	4,00	0,50	48
ST.30.100-IN		100	4,00	0,64	24
ST.30.150-IN		150	4,00	0,70	18
ST.30.200-IN		200	4,00	0,90	18
ST.30.300-IN		300	4,00	1,40	18
ST.60.060-IN	60	60	4,00	0,64	48
ST.60.100-IN		100	4,00	0,84	24 and 12
ST.60.150-IN		150	4,00	0,90	18
ST.60.200-IN		200	4,00	1,14	18 and 12
ST.60.300-IN		300	4,40	1,74	12
ST.60.400-IN		400	4,40	2,10	12
ST.60.500-IN		500	4,40	2,46	6
ST.60.600-IN		600	4,40	2,83	6
ST.100.200-IN	100	200	4,40	1,74	6
ST.100.300-IN		300	4,40	2,10	6
ST.100.400-IN		400	4,40	2,46	6
ST.100.500-IN		500	4,40	2,83	6
ST.100.600-IN		600	4,40	3,20	6

- Tray standard Length 3000 mm
- Suitable for indoor and outdoor electrical installations with very aggressive environment
- SAFETY EDGES
- Ideal for pharmaceutical, food and other industries due to its antiseptic characteristics
- Unbeatable quality of electrowelding processes



STAINLESS STEEL					
Material	Tensile strength RT N/mm ²			Electrical Continuity	
Stainless Steel AISI 316 L	765 N/mm ²			According to requisites EN 61537:2007	
Passivated Steel (Chemical removal of all particules and contaminants that may have been stuck in the manufacturing process). WITHOUT RIDGES OR SCRATCHES.					
Classification 9D according to EN 61537:2007 (Stainless Steel with aftertreatment)					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
ST.30.060-IN	30	60	4,00	0,50	48
ST.30.100-IN		100	4,00	0,64	24
ST.30.150-IN		150	4,00	0,70	18
ST.30.200-IN		200	4,00	0,90	18
ST.30.300-IN		300	4,00	1,40	18
ST.60.060-IN	60	60	4,00	0,64	48
ST.60.100-IN		100	4,00	0,84	24 and 12
ST.60.150-IN		150	4,00	0,90	18
ST.60.200-IN		200	4,00	1,14	18 and 12
ST.60.300-IN		300	4,40	1,74	12
ST.60.400-IN		400	4,40	2,10	12
ST.60.500-IN		500	4,40	2,46	6
ST.60.600-IN		600	4,40	2,83	6
ST.100.200-IN	100	200	4,40	1,74	6
ST.100.300-IN		300	4,40	2,10	6
ST.100.400-IN		400	4,40	2,46	6
ST.100.500-IN		500	4,40	2,83	6
ST.100.600-IN		600	4,40	3,20	6

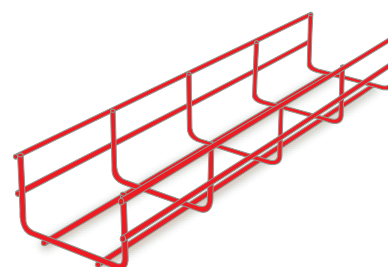
- Tray standard Length 3000 mm
- Suitable for indoor and outdoor electrical installations with very aggressive environment
- SAFETY EDGES
- Ideal for pharmaceutical, food and other industries due to its antiseptic characteristics
- Unbeatable quality of electrowelding processes



EPOXY COATED

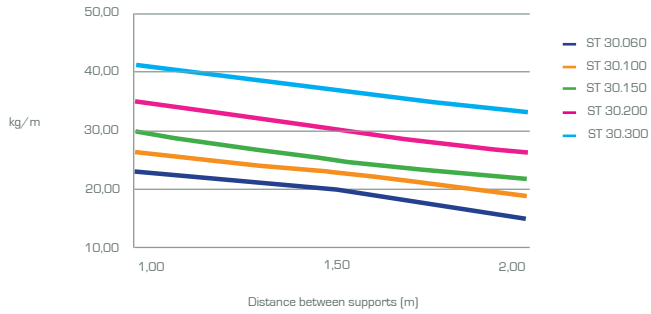
EPOXY - POLYESTER COATED					
Material	Tensile strength	Yield strength		Electrical Continuity	
Acero C9D (EN 10016-2/94)	70 Kg/mm ²	67 Kg/mm ²		According to requisites EN 61537:2007	
Epoxy Polyester coating. Min. coating 60μ					
Resistance to corrosion: Salt Fog test - Min. 300 hours in a corrosive environment of dense saline fog.					
AVAILABLE IN ANY COLOUR					
Reference	Height (mm)	Width (mm)	Wire Ø (mm)	Kg per metre	Metres per plastic wrapped package
ST.30.060-EP	30	60	3,90	0,500	48
ST.30.100-EP		100	3,90	0,550	24
ST.30.150-EP		150	3,90	0,700	18
ST.30.200-EP		200	3,90	0,820	18
ST.30.300-EP		300	4,30	1,350	18
ST.60.060-EP	60	60	3,90	0,550	48
ST.60.100-EP		100	3,90	0,770	24 and 12
ST.60.150-EP		150	3,90	0,840	18
ST.60.200-EP		200	3,90	1,070	18 and 12
ST.60.300-EP		300	4,30	1,640	12
ST.60.400-EP		400	4,30 - 4,80	2,100	12
ST.60.500-EP		500	4,60 - 4,80	2,700	6
ST.60.600-EP		600	4,60 - 4,80	3,200	6
ST.100.200-EP	100	200	4,30	1,640	6
ST.100.300-EP		300	4,30 - 4,80	2,100	6
ST.100.400-EP		400	4,60 - 4,80	2,700	6
ST.100.500-EP		500	4,60 - 4,80	3,200	6
ST.100.600-EP		600	4,80	3,700	6

- Tray standard Length 3000 mm.
- Suitable for: indoor and outdoor electrical installations with normal environment
- Ideal for food industry due to its antiseptic characteristics
- Unbeatable quality of electrowelding processes.

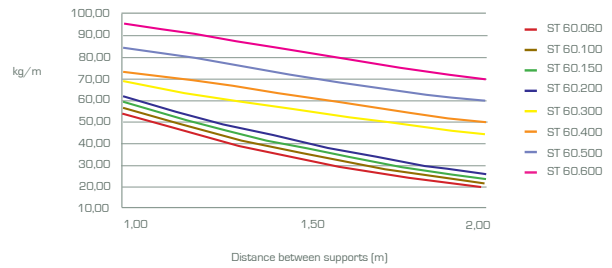


WORKLOAD CHARTS FOR STANDARD CABLE TRAYS

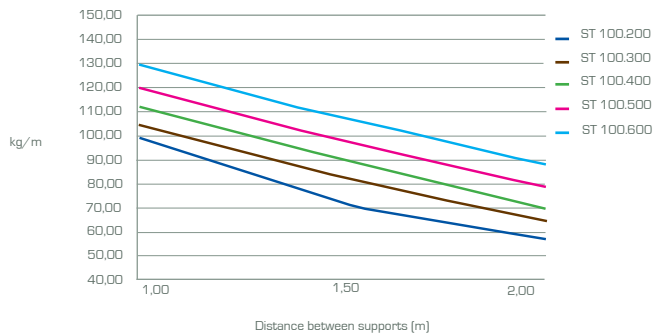
TOTAL WORKLOAD - STANDARD 30mm HEIGHT TRAY
Zinc Plated - HD Galvanized - PreGalvanized



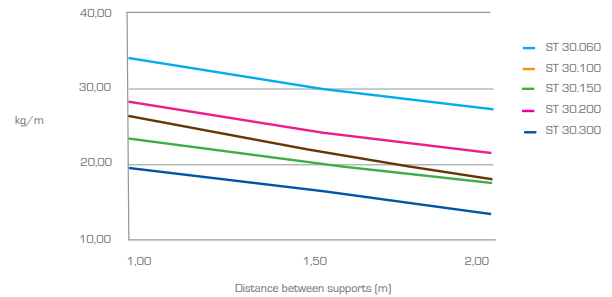
TOTAL WORKLOAD - STANDARD 60mm HEIGHT TRAY
Zinc Plated - HD Galvanized - PreGalvanized



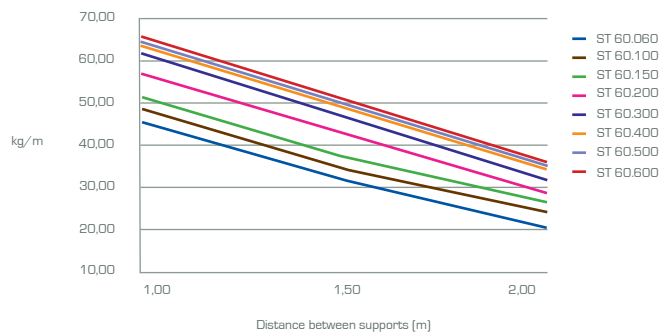
TOTAL WORKLOAD - STANDARD 100 mm HEIGHT TRAY
Zinc Plated - HD Galvanized - PreGalvanized



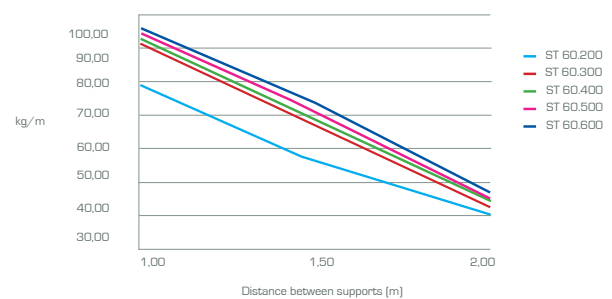
TOTAL WORKLOAD - STANDARD 30mm HEIGHT TRAY
Stainless Steel



TOTAL WORKLOAD - STANDARD 60mm HEIGHT TRAY
Stainless Steel



TOTAL WORKLOAD - STANDARD 100 mm HEIGHT TRAY
STAINLESS STEEL





MOUNTING BRACKETS

At Valdinox we have a wide range of Mounting Brackets for all of our wire mesh cable tray systems, both in traditional wire mesh systems as well as in the new Easyconnect range of products.

Constant innovation and Product development enables us to offer all of our Customers brackets and fastening systems designed specifically to work in infinity of conditions and work environments.

Currently our Product offer is comprised of fastening brackets that are both conventional as well as the fast "click-on" type, thus reducing installation time and cost.

Finishes: Sendzimir, Hot Galvanised Metal or Stainless Steel 304L or 316-L and EPOXY coated.

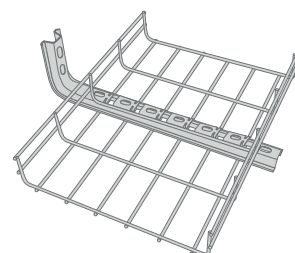
VALDINOX

OMEGA SUPPORT FOR WALL



SENDZIMIR GALVANIZED(S)						
According to UNE-EN 10327						
Suitable for indoor installations in dry atmosphere without aggressive contamination						
Reference	Width (mm)	Lenght (mm)	Internal Lenght (mm)	Height (mm)	Weight / unit (Kg)	Units per Package
SO10S	100	170	145	110	0,32	10
SO15S	150	220	195	110	0,38	10
SO20S	200	270	245	110	0,45	10
SO30S	300	370	345	110	0,59	10
SO40S	400	470	445	110	0,70	10
HOT DIP GALVANIZED (G)						
According to UNE-EN ISO 1461.						
Suitable for outdoor installations on industrial, marine and rural environments and for indoor installations aggressive environments						
Reference	Width (mm)	Lenght (mm)	Internal Lenght (mm)	Height (mm)	Weight / unit (Kg)	Units per Package
SO10G	100	170	145	110	0,35	10
SO15G	150	220	195	110	0,42	10
SO20G	200	270	245	110	0,50	10
SO30G	300	370	345	110	0,65	10
SO40G	400	470	445	110	0,80	10
PASSIVATED STAINLESS STEEL- AISI 304 / 316 (IN)						
According to EN 61537:2007 (Stainless Steel with aftertreatment)						
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for pharma and food industries among others.						
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Weight / unit (Kg)	Units per Package
SO10IN	100	170	145	110	0,32	10
SO15IN	150	220	195	110	0,38	10
SO20IN	200	270	245	110	0,45	10
SO30IN	300	370	345	110	0,59	10
SO40IN	400	470	445	110	0,70	10

CLIC OMEGA SUPPORT FOR WALL



SENDZIMIR GALVANIZED(S)						
According to UNE-EN 10327						
Suitable for indoor installations in dry atmosphere without aggressive contamination						
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Weight / unit (Kg)	Units per Package
SOC10S	100	170	145	110	0,32	10
SOC15S	150	220	195	110	0,38	10
SOC20S	200	270	245	110	0,45	10
SOC30S	300	370	345	110	0,59	10
SOC40S	400	470	445	110	0,70	10
HOT DIP GALVANIZED (G)						
According to UNE-EN ISO 1461.						
Suitable for outdoor installations on industrial, marine and rural environments and for indoor installations aggressive environments						
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Weight / unit (Kg)	Units per Package
SOC10G	100	170	145	110	0,35	10
SOC15G	150	220	195	110	0,42	10
SOC20G	200	270	245	110	0,50	10
SOC30G	300	370	345	110	0,65	10
SOC40G	400	470	445	110	0,80	10
PASSIVATED STAINLESS STEEL - AISI 304 / 316 (IN)						
According to EN 61537:2007 (Stainless steel with aftertreatment).						
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for pharma and food industries among others.						
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Weight / unit (Kg)	Units per Package
SOC10IN	100	170	145	110	0,32	10
SOC15IN	150	220	195	110	0,38	10
SOC20IN	200	270	245	110	0,45	10
SOC30IN	300	370	345	110	0,59	10
SOC40IN	400	470	445	110	0,70	10

OMEGA CEILING SUPPORT



SENDZIMIR GALVANIZED (S)							
According to UNE-EN 10327							
Suitable for indoor installations in dry atmosphere without aggressive contamination							
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Upper Lenght (mm)	Weight/ unit (Kg)	Units per Package
SOP10S	100	170	145	176	113	0,56	10
SOP20S	200	270	245	176	113	0,64	10
SOP30S	300	370	345	176	113	0,76	10
HOT DIP GALVANIZED (G)							
According to UNE-EN ISO 1461.							
Suitable for outdoor installations on industrial, marine and rural environments and for indoor installations aggressive environments							
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Upper Lenght (mm)	Weight/ unit (Kg)	Units per Package
SOP10G	100	170	145	176	113	0,62	10
SOP20G	200	270	245	176	113	0,70	10
SOP30G	300	370	345	176	113	0,84	10
PASSIVATED STAINLESS STEEL - AISI 304 / 316 (IN)							
According to EN 61537:2007 (Stainless Steel with aftertreatment).							
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for pharma and food industries among others.							
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Upper Lenght (mm)	Weight / unit (Kg)	Units per Package
SOP10IN	100	170	145	176	113	0,56	10
SOP20IN	200	270	245	176	113	0,64	10
SOP30IN	300	370	345	176	113	0,76	10

CLIC OMEGA SUPPORT FOR CEILING



SENDZIMIR GALVANIZED (S)							
According to UNE-EN 10327							
Suitable for indoor installations in dry atmosphere without aggressive contamination							
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Upper Lenght (mm)	Weight / unit (Kg)	Units per Package
SOPC10S	100	170	145	176	113	0,56	10
SOPC20S	200	270	245	176	113	0,64	10
SOPC30S	300	370	345	176	113	0,76	10
HOT DIP GALVANIZED (G)							
According to UNE-EN ISO 1461.							
Suitable for outdoor installations on industrial, marine and rural environments and for indoor installations aggressive environments							
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Upper Lenght (mm)	Weight / unit (Kg)	Units per Package
SOPC10G	100	170	145	176	113	0,62	10
SOPC20G	200	270	245	176	113	0,70	10
SOPC30G	300	370	345	176	113	0,84	10
PASSIVATED STAINLESS STEEL - AISI 304 / 316 (IN)							
According to EN 61537:2007 (Stainless Steel with aftertreatment)..							
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for pharma and food industries among others.							
Reference	Width (mm)	Lenght (mm)	Internal lenght (mm)	Height (mm)	Upper Lenght (mm)	Weight / unit (Kg)	Units per Package
SOPC10IN	100	170	145	176	113	0,56	10
SOPC20IN	200	270	245	176	113	0,64	10
SOPC30IN	300	370	345	176	113	0,76	10

FAST CLIC SUPPORT FOR WALL



SENDZIMIR GALVANIZED (S)						
According to UNE-EN 10327						
Suitable for indoor installations in dry atmosphere without aggressive contamination						
Reference	Width (mm)	Lenght (mm)	Height (mm)	Workload capacity (N)	Weight/ unit (Kg)	Units per Package
SE100S	100	141	86	1000	0,27	10
SE150S	150	166	86	1000	0,31	10
SE200S	200	241	86	1000	0,41	10
SE300S	300	341	111	1000	0,84	10
SE400S	400	441	121	1000	0,94	5
SE500S	500	541	162	1500	1,30	5
SE600S	600	641	162	1500	1,58	5
HOT DIP GALVANIZED (G)						
According to UNE-EN ISO 1461.						
Suitable for outdoor installations on industrial, marine and rural environments and for indoor installations aggressive environments.						
Reference	Width (mm)	Lenght (mm)	Height (mm)	Workload capacity (N)	Peso/ unidad (Kg)	Units per Package
SE100G	100	141	86	1000	0,30	10
SE150G	150	166	86	1000	0,34	10
SE200G	200	241	86	1000	0,45	10
SE300G	300	341	111	1000	0,92	10
SE400G	400	441	121	1000	1,03	5
SE500G	500	541	162	1500	1,43	5
SE600G	600	641	162	1500	1,74	5
PASSIVATED STAINLESS STEEL - AISI 304 / 316 (IN)						
According to EN 61537:2007 (Stainless steel with aftertreatment).						
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for pharma and food industries among others.						
Reference	Width (mm)	Lenght (mm)	Height (mm)	Workload capacity (N)	Peso/ unidad (Kg)	Units per Package
SE100IN	100	141	86	1000	0,27	10
SE150IN	150	166	86	1000	0,31	10
SE200IN	200	241	86	1000	0,41	10
SE300IN	300	341	111	1000	0,84	10
SE400IN	400	441	121	1000	0,94	5
SE500IN	500	541	162	1500	1,30	5
SE600IN	600	641	162	1500	1,58	5

SUPPORT FOR WALL



SENDZIMIR GALVANIZED (S)						
According to UNE-EN 10327						
Suitable for indoor installations in dry atmosphere without aggressive contamination						
Reference	Width (mm)	Lenght (mm)	Height (mm)	Workload capacity (N)	Weight / unit (Kg)	Units per Package
SM100S	100	122	86	1000	0,22	10
SM150S	150	150	86	1000	0,28	10
SM200S	200	200	86	1000	0,31	10
SM300S	300	322	111	1000	0,55	10
SM400S	400	422	121	1000	0,86	5
SM500S	500	522	162	1500	1,14	5
SM600S	600	622	162	1500	1,42	5
HOT DIP GALVANIZED (G)						
According to UNE-EN ISO 1461.						
Suitable for outdoor installations on industrial, marine and rural environments and for indoor installations aggressive environments.						
Reference	Width (mm)	Lenght (mm)	Height (mm)	Workload capacity (N)	Weight / unit (Kg)	Units per Package
SM100G	100	122	86	1000	0,24	10
SM150G	150	150	86	1000	0,31	10
SM200G	200	200	86	1000	0,34	10
SM300G	300	322	111	1000	0,61	10
SM400G	400	422	121	1000	0,95	5
SM500G	500	522	162	1500	1,25	5
SM600G	600	622	162	1500	1,56	5
PASSIVATED STAINLESS STEEL - AISI 304 / 316 (IN)						
According to EN 61537:2007 (Stainless Steel with aftertreatment).						
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for pharma and food industries among others.						
Reference	Width (mm)	Lenght (mm)	Height (mm)	Workload capacity (N)	Weight / unit (Kg)	Units per Package
SM100IN	100	122	86	1000	0,22	10
SM150IN	150	150	86	1000	0,28	10
SM200IN	200	200	86	1000	0,31	10
SM300IN	300	322	111	1000	0,55	10
SM400IN	400	422	121	1000	0,86	5
SM500IN	500	522	162	1500	1,14	5
SM600IN	600	622	162	1500	1,42	5

SMALL SUPPORT 30



SENDZIMIR GALVANIZED (S)			
According to UNE-EN 10327			
Suitable for indoor installations in dry atmosphere without aggressive contamination			
Reference	Measures (mm)	Weight/unit (Kg)	Units per Package
PSA30	65X50	0,57	50

SUPPORT FOR JUNCTION BOX



SENDZIMIR GALVANIZED(S)			
According to UNE-EN 10327			
Suitable for indoor installations in dry atmosphere without aggressive contamination			
Reference	Measures (mm)	Weight/unit (Kg)	Units per Package
SBD-S	50x200x156	0,40	50

GROUND SUPPORT



SENDZIMIR GALVANIZED (S)			
According to UNE-EN 10327			
Suitable for indoor installations in dry atmosphere without aggressive contamination			
Reference	Measures (mm)	Weight/unit (Kg)	Units per Package
SASS	80x60x100	0,15	50

SPACER GROUND SUPPORT



SENDZIMIR GALVANIZED (S)					
According to UNE-EN 10327					
Suitable for indoor installations in dry atmosphere without aggressive contamination					
Reference	Width (mm)	Height (mm)	Internal length (mm)	Length (mm)	Weight /unit (Kg)
SD100	100	40	109	185	0,18
SD150	150	40	159	235	0,21
SD200	200	40	209	289	0,25
SD300	300	40	309	389	0,31
SD400	400	40	409	489	0,37
SD500	500	40	509	589	0,45
SD600	600	40	609	689	0,54

SMALL SUPPORT 60



SENDZIMIR GALVANIZED (S)			
According to UNE-EN 10327			
Suitable for indoor installations in dry atmosphere without aggressive contamination			
Reference	Measures (mm)	Weight/unit (Kg)	Units per package
PSA60	75X50	0,90	50

**OMEGA PROFILE
FOR CEILING SUSPENSION**



SENDZIMIR GALVANIZED (S)			
According to UNE-EN 10327			
Suitable for indoor installations in dry atmosphere without aggressive contamination			
Reference	Width of tray (mm)	Lenght (mm)	Weight /unit (Kg)
POT400	400	497	1,44
POT500	500	597	1,66
POT600	600	697	1,80
HOT DIP GALVANIZED (G)			
According to UNE-EN ISO 1461.			
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.			
Reference	Width of tray (mm)	Lenght (mm)	Weight /unit (Kg)
POT400G	400	497	1,61
POT500G	500	597	1,85
POT600G	600	697	2,02

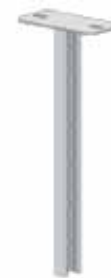
**PROFILE C21 FOR OMEGA AND WALL SUPPORTS
(NORMAL AND CLIC)**



SENDZIMIR GALVANIZED (S)			
According to UNE-EN 10327			
Suitable for indoor installations in dry atmosphere without aggressive contamination.			
Reference	Profile Length (mm)	Weight (Kg)	Units per package
SOP10S	41	1,75	4
HOT DIP GALVANIZED (G)			
According to UNE-EN ISO 1461.			
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.			
Reference	Profile Length (mm)	Weight (Kg)	Units per package
SOP10G	41	1,95	4

Standard length 3000mm.

**PROFILE C21 WITH PLATTEN FOR OMEGA AND WALL SUPPORTS
(NORMAL AND CLIC)**



HOT DIP GALVANIZED (G)				
According to UNE-EN ISO 1461.				
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.				
Reference	Height (mm)	Platten dimensions (mm)	Weight (Kg)	Units per package
POP500G	500	170x80	1,65	1
POP1000G	1000	170x80	2,60	1

**DOUBLE PROFILE C21 WITH PLATTEN
FOR OMEGA AND WALL SUPPORT
(NORMAL AND CLIC)**



HOT DIP GALVANIZED (G)				
According to UNE-EN ISO 1461.				
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.				
Reference	Height (mm)	Platten dimensions (mm)	Weight (Kg)	Units per package
PODP500G	500	170x80	2,60	1
PODP1000G	1000	170x80	4,50	1

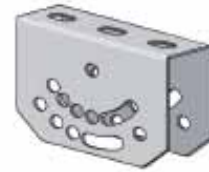
PROFILE 41



SENDZIMIR GALVANIZED (S)		
According to UNE-EN 10327		
Suitable for indoor installations in dry atmosphere without aggressive contamination.		
Reference	Weight (Kg/Metre)	Units per package
P50S	0,40	8
P100S	0,80	8

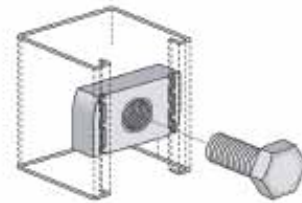
Standard length 3000mm.

INCLINATION PLATE



SENDZIMIR GALVANIZED (S)			
According to UNE-EN 10327			
Suitable for indoor installations in dry atmosphere without aggressive contamination			
Reference	Weight (kg)	Dimensions HxLxW (mm)	Units per package
AV-S	0,51	100x128x 41	50

GUIDING PLATE FOR OMEGA PROFILES AND SCREW



SENDZIMIR GALVANIZED (S)				
According to UNE-EN 10327				
Suitable for indoor installations in dry atmosphere without aggressive contamination.				
Reference	Screw size (mm)	Width (mm)	ISO metric screw thread	Units per package
PGM8	35	8	M8	50
PGM10	20	8	M10	50

THREADED HANGING ROD

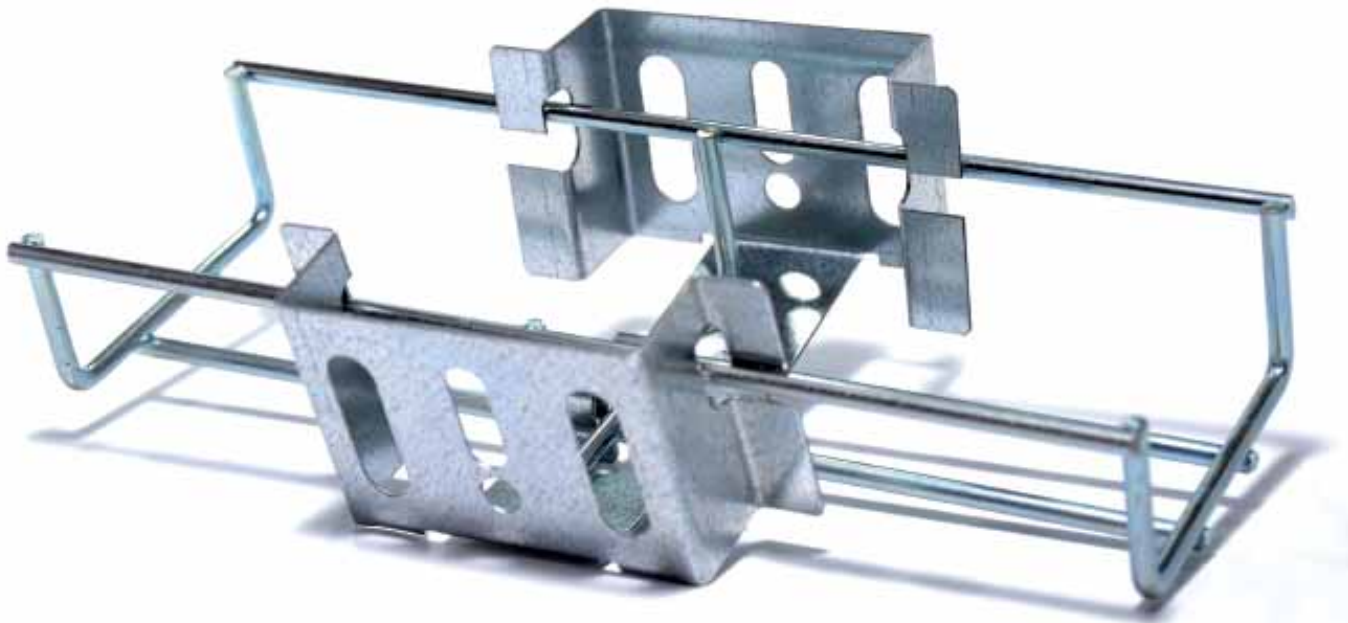


ZINC PLATED STEEL	
Zinc trivalent bichromium plating according to ISO 2081:1986 with with trivalent chromium passivation (Cr3+) according to UNE 112050:1994 and ISO 4520:1981. Minimum Thickness 8µ.	
Reference	ISO metric screw thread
VR8Z	M8
VR10Z	M10
PASSIVATED STAINLESS STEEL - AISI 304 / 316 (IN)	
According to EN 61537:2007 (Stainless steel with aftertreatment).	
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for farma and food industries among others	
Reference	ISO metric screw thread
VR8I	M8
VR10I	M10

SCREW NUT



ZINC PLATED STEEL		
Zinc trivalent bichromium plating according to ISO 2081:1986 with with trivalent chromium passivation (Cr3+) according to UNE 112050:1994 and ISO 4520:1981. Minimum Thickness 8µ.		
Reference	ISO metric screw thread	Units per package
TVR8Z	M8	50
TVR10Z	M10	50
PASSIVATED STAINLESS STEEL - AISI 304 / 316 (IN)		
According to EN 61537:2007 (Stainless steel with aftertreatment).		
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for farma and food industries among others		
Reference	ISO metric screw thread	Units per package
TVR8I	M8	50
TVR10I	M10	50



FITTINGS

There are all kinds of joint and /or fastening elements for any of the tray systems. Separators, covers, plates for fastening to walls, floor attachment brackets, cable outlets etc., resulting in a wide range of fittings for completing the whole installation successfully.

We have an extensive catalogue of Products and Fittings that are thought out and designed to offer a unique solution for electric cable layouts.

Please do not hesitate to request for our references, surely we have the product that you are looking for.

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FAST FITTING



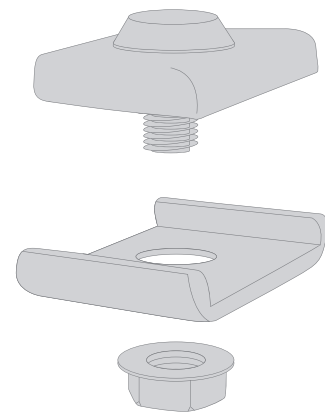
SENDZIMIR GALVANIZED (S)		
According to UNE-EN 10327		
Reference	Weight (kg)	Units per package
URS	0,034	50

FAST FITTING CLIC



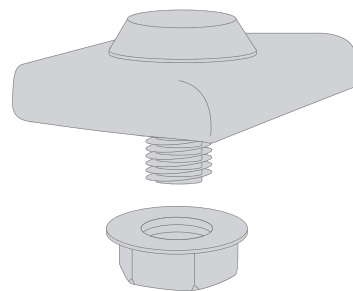
SENDZIMIR GALVANIZED (S)		
According to UNE-EN 10327		
Reference	Weight (kg)	Units per PACKAGE
URCS	0,08	50

UNIVERSAL 3 PARTS FITTING



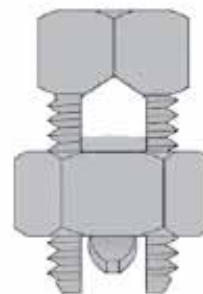
ZINC PLATED STEEL		
Zinc trivalent bichromium plating according to ISO 2081:1986 with with trivalent chromium passivation (Cr3+) according to UNE 112050:1994 and ISO 4520:1981. Minimum Thickness 8µ.		
Reference	Weight (kg)	Units per package
UUZ	0,027	50
HOT DIP GALVANIZED (G)		
According to UNE-EN ISO 1461.		
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.		
Reference	Weight (kg)	Units per package
UUG	0,03	50
PASSIVATED STAINLESS STEEL - AISI 304 (IN)		
According to EN 61537:2007 (Stainless steel with aftertreatment).		
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for farma and food industries among others.		
Reference	Weight (kg)	Units per package
UUI	0,027	50
UNITS FOR WIRE CABLE TRAYS OF 30 AND 60 HEIGHTS		
Height 30 cable trays	Universal Fitting [Units]	
	2	
	3	
	3	
Height 60 cable trays	2	
	2	
	2	
	3	
	3	
	4	
	4	
	4	

FITTING TO SUPPORT



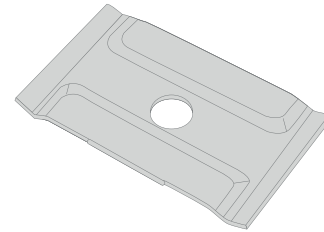
ZINC PLATED STEEL		
Zinc trivalent bichromium plating according to ISO 2081:1986 with with trivalent chromium passivation (Cr3+) according to UNE 112050:1994 and ISO 4520:1981. Minimum Thickness 8µ.		
Reference	Weight (Kg)	Units per package
FASZ	0,016	50
HOT DIP GALVANIZED (G)		
According to UNE-EN ISO 1461.		
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.		
Reference	Weight (Kg)	Units per package
FASG	0,018	50
PASSIVATED STAINLESS STEEL - AISI 316 (IN)		
According to EN 61537:2007 (Stainless steel with aftertreatment).		
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for farma and food industries among others		
Reference	Weight (Kg)	Units per package
FASI	0,016	50

GROUNDING CLAMP



GROUNDING CLAMP				
Reference	Material	Cable section mm ²	Weight/unit (Kg)	Units per package
MAT	Latón Brass	16 a 35	0,04	50

**CENTRAL PLATE
FOR CABLE TRAY SUSPENSION**



ZINC PLATED STEEL		
Zinc trivalent bichromium plating according to ISO 2081:1986 with with trivalent chromium passivation (Cr3+) according to UNE 112050:1994 and ISO 4520:1981. Minimum Thickness 8μ.		
Reference	Weight [Kg]	Units per package
SC8-ZE	31	50
HOT DIP GALVANIZED (G)		
According to UNE-EN ISO 1461.		
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.		
Reference	Weight [Kg]	Units per package
SC8-G	31	50
PASSIVATED STAINLESS STEEL - AISI 316 (IN)		
According to EN 61537:2007 (Stainless steel with aftertreatment).		
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for farma and food industries among others		
Reference	Weight [Kg]	Units per package
SC8-IN	31	50

OMEGA SUPPORT SPACER



SENDZIMIR GALVANIZED (S)				
According to UNE-EN 10327				
Suitable for indoor installations in dry atmosphere without aggressive contamination.				
Reference	Dimensions (mm)	Diametre Ø (mm)	Weight / unit (Kg)	Units per package
ENT-S	40x18	9	0,03	50
HOT DIP GALVANIZED (G)				
According to UNE-EN ISO 1461.				
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.				
Reference	Dimension (mm)	Diametre Ø (mm)	Weight / unit (Kg)	Units per package
ENT-G	40x18	9	0,031	50
PASSIVATED STAINLESS STEEL - AISI 316 (IN)				
According to EN 61537:2007 (Stainless steel with aftertreatment).				
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for farma and food industries among others				
Reference	Dimension (mm)	Diametre Ø (mm)	Weight / unit (Kg)	Units per package
ENT-IN	40x18	9	0,03	50

CABLE LAY OUT PLATE



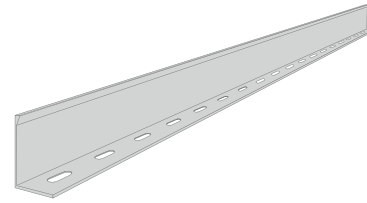
SENDZIMIR GALVANIZED (S)			
According to UNE-EN 10327			
Suitable for indoor installations in dry atmosphere without aggressive contamination.			
Reference	Dimension (mm)	Weight/unit (Kg)	Units per package
SC-S	90X170	0,2	50
HOT DIP GALVANIZED (G)			
According to UNE-EN ISO 1461.			
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.			
Reference	Dimension (mm)	Weight/unit (Kg)	Units per package
SC-G	40x18	0,2	50
PASSIVATED STAINLESS STEEL - AISI 316 (IN)			
According to EN 61537:2007 (Stainless steel with aftertreatment).			
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for farma and food industries among others			
Reference	Dimension (mm)	Weight/unit (Kg)	Units per package
SC-IN	40x18	0,2	50

FIT TO WALL PLATE



SENDZIMIR GALVANIZED (S)			
According to UNE-EN 10327			
Suitable for indoor installations in dry atmosphere without aggressive contamination.			
Reference	Dimension (mm)	Weight/unit (Kg)	Units per package
PFMS	200X60	0,26	50

TRAY DIVIDER PLATE



SENDZIMIR GALVANIZED (S)	
According to UNE-EN 10327	
Suitable for indoor installations in dry atmosphere without aggressive contamination.	
Reference	Height of Tray
SEP30S	30
SEP60S	60
SEP100S	100
HOT DIP GALVANIZED (G)	
According to UNE-EN ISO 1461.	
Suitable for outdoor installations on industrial, marine and rural environments. Suitable for indoor aggressive installations.	
Reference	Dimensions (mm)
SEP30G	30
SEP60G	60
SEP100G	100
PASSIVATED STAINLESS STEEL - AISI 316 (IN)	
According to EN 61537:2007 (Stainless steel with aftertreatment).	
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for farma and food industries among others	
Reference	Dimensions (mm)
SEP30IN	30
SEP60IN	60
SEP100IN	100

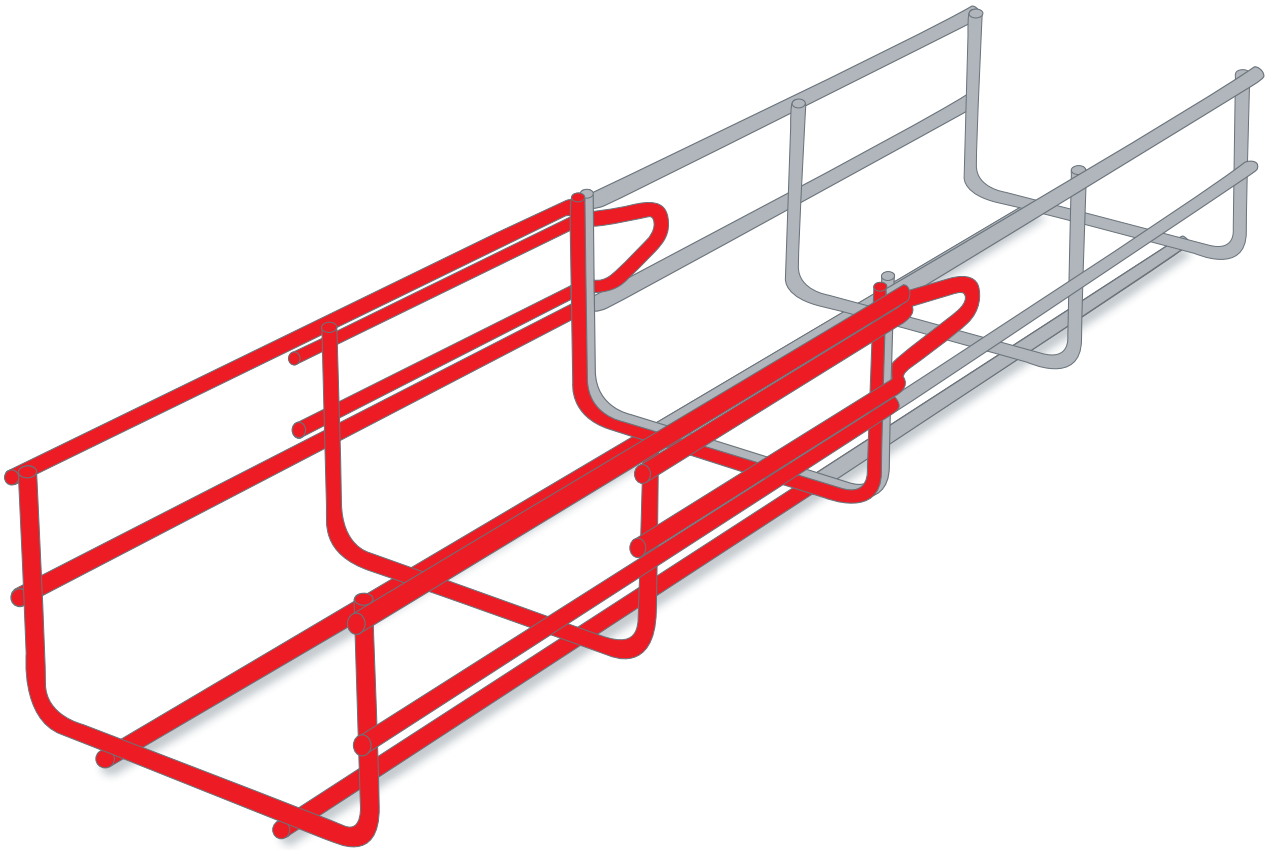
Standard length: 3000mm.

TRAY COVER



SENDZIMIR GALVANIZED (S)	
According to UNE-EN 10327	
Suitable for indoor installations in dry atmosphere without aggressive contamination.	
Reference	Weight (Kg/Mt)
T060S	0,60
T100S	0,80
T150S	1,12
T200S	1,62
T300S	2,34
T400S	3,40
T500S	4,20
T600S	5,00
PASSIVATED STAINLESS STEEL - AISI 304 / 316 (IN)	
According to EN 61537:2007 (Stainless steel with aftertreatment).	
Suitable for indoor and outdoor installations with aggressive environments, marine environments, for farma and food industries among others	
Reference	Weight (Kg/Mt)
T060-IN	0,60
T100-IN	0,80
T150-IN	1,12
T200-IN	1,62
T300-IN	2,34
T400-IN	3,40
T500-IN	4,20
T600-IN	5,00

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VALDINOX TECHNICAL APPENDIX

This appendix has been developed by VALDINOX following our commitment with the quality of our products and with our customers. Here you will find all the information required to facilitate the design and implementation process of any electrical installation.

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REGULATIONS

UNE-EN 61537 Cable Management-Cable Tray Systems and Cable Ladder Systems.

TITLE: Cable Management-Cable Tray Systems and Cable Ladder Systems.

This European standard has been approved by CENELEC. The members of CENELEC are subject to the Internal Rules of DEN/CENELEC which establish the conditions under which the European standard, without modification, must be adopted as National Standard.



The members of CENELEC are the national standardization electrotechnical committees of the following countries: **Germany, Austria, Belgium, Cyprus, Denmark, Slovakia, Slovenia, Spain, Estonia, Finland, France, Greece, Hungary, Ireland, Iceland, Italy, Latvia, Lithuania, Luxemburg, Malta, Norway, the Netherlands, Poland, Portugal, United Kingdom, Czech Republic, Romania, Sweden and Switzerland.**



GENERAL REQUIREMENTS OF THE REGULATION

Tray systems must be designed and manufactured in such a way that, once installed in accordance with the instructions of the manufacturer or the responsible seller, they provide a safe support for the cables they contain. Under no circumstances should they present an unwarranted risk to humans or to the cables.

System components must be designed to withstand the expected strains of transportation and storage. Tray systems manufactured in accordance with Standard UNE EN 61537 are not intended to be used for supporting people.

DECLARATION OF CONFORMITY

THE COMPANY:

Valdinox S.L.
C./Villanueva, 12 - 39192 SAN MAMÉS DE MERUELO, CANTABRIA - ESPAÑA

DECLARES THAT THE PRODUCT:

The products CABLE TRAYS SYSTEMS / EASYCONNECT SYSTEM/ FITTINGS installed in accordance to the installation standards, manufacturer's instructions and professional rules, duly maintained and used for the applications as intended, **complies with the essential requirements of the Council Directives 2006/95/CE (Low Voltage Directive) incorporated in the Spanish Legislation in RD 7/1988 and its modification RD 154/1995.**

And it is suitable and safe for the intended use and it is in conformity with the following draft standard: UNE EN 61537.

ADDITIONAL INFORMATION:

This product is intended to be installed and maintained by skilled persons, it may be used by ordinary persons only as a replacement part, to substitute for an identical device.


MARKED ON YEAR:


2010.

Place and Date:

San Mamés de Meruelo, Cantabria. (España)
Noviembre de 2010.

Signature and Position:


 Pedro Valdés.
Quality Dept.


Strong and Agile Cable Tray Assembling System

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CLASSIFICATION ACCORDING TO UNE EN 61537 STANDARD

CLASSIFICATION WIRE MESH TRAY ST AND WIRE MESH TRAY EASYCONNECT ACCORDING TO UNE EN 61537	
RESISTANCE TO FLAME SPREAD	FLAME RETARDANT
ELECTRIC CONTINUITY	YES
ELECTRIC CONTINUITY FEATURES	CONDUCTOR
COATING MATERIAL	METAL
TEMPERATURE FOR TRANSPORTATION, STORAGE, INSTALLATION AND USE	MINIMUM: - 40° MAXIMUM: + 150°
CLASSIFICATION ACCORDING TO THE PERFORATION OF THE BASE AREA	CLASSIFICATION D
IMPACT RESISTANCE	UP TO 20J

VALDINOX

CLASSIFICATION FOR RESISTANCE AGAINST CORROSION

The classification for resistance against corrosion is shown in the table below. This table shows the most widely used materials and coatings. These must be taken as a reference to measure the other materials and coatings in order to classify them:

CLASSIFICATION FOR RESISTANCE AGAINST CORROSION	
CLASS	REFERENCE/MATERIAL AND COATING
0 [a]	None
1	Electroplated to a minimum thickness of 5µ
2	Electroplated to a minimum thickness of 12 µ
3	Pre-galvanized to grade 275 according to EN 10327 and EN10326
4	Pre-galvanized to grade 350 according to EN 10327 and EN10326
5	Hot-galvanized to a zinc mean coating thickness of 45µ (minimum) according to ISO1461 for zinc thickness only
6	Hot-galvanized to a zinc mean coating thickness of 55µ (minimum) according to ISO1461 for zinc thickness only
7	Hot-galvanized to a zinc mean coating thickness of 70µ (minimum) according to ISO1461 for zinc thickness only
8	Hot-galvanized to a zinc mean coating thickness of 85µ (minimum) according to ISO1461 for zinc thickness only (usually high silicon steel)
9A	Stainless steel manufactured to ASTM: A 240/A 240M- 95a designation S30400 or EN 10088 GRADE 1-4301 without post-treatment [b]
9B	Stainless steel manufactured to ASTM: A 240/A 240M- 95a designation S31603 or EN 10088 GRADE 1-4404 without post-treatment [b]
9C	Stainless steel manufactured to ASTM: A 240/A 240M- 95a designation S30400 or EN 10088 GRADE 1-4301 without post-treatment [b]
9D	Stainless steel manufactured to ASTM: A 240/A 240M- 95a designation S31603 or EN 10088 GRADE 1-4404 without post-treatment [b]

[a] For materials which have no declared corrosion resistance classification.

[b] The post-treatment process is used to improve the protection against crevice crack corrosion and the contamination by other steels.

CLASS OF THE ST SYSTEMS AND EASYCONNECT SYSTEMS

It should be noted that the standard UNE EN 61537 gives us the possibility to establish equivalence between the corrosion resistance class and the duration of the neutral salt spray test (ISO9227).

The following table is based on this equivalence:

CLASSES / DURATION	
CLASS (ACCORDING TO UNE 61537)	DURATION (HOURS)
0	0
1	24
2	96
3	155
4	195
5	450
6	550
7	700
8	850

VALDINOX

TYPES OF FINISH

STEEL + ZINC PLATED:

Electroplated steel base. Depending on the thickness of the Zinc layer, it will offer protection to a greater or lesser extent. Our systems ST and EASYCONNECT have a minimum thickness of 12 μ , which corresponds to class 2 in the classification set forth in UNE 61537.

The zinc used is free of hexavalant chromium, in compliance with the requirements of directive 2002/95 EC RoHS.

STEEL + ZINC PLATED – DICHROMIUM PLATED

Electroplated steel base, subsequently applying a passivation with chromium salts which gives it its characteristic golden-iridescent colour.

Our systems ST and EASYCONNECT have a minimum thickness of 12 μ , which corresponds to class 2 in the classification set forth in UNE 61537.

The zinc used is free of hexavalant chromium, in compliance with the requirements of directive 2002/95 EC RoHS.

STEEL + HOT-DIP GALVANIZING

Molten zinc coating according to UNE EN ISO 1461.

The protection of the coating depends on the steel base used and the dipping time in the molten zinc vessel.

At VALDINOX we believe in using high-quality steel (high silicon), for this reason, our hot-galvanized systems correspond to classification 8 according to UNE 61537.

STAINLESS STEEL (AISI 304L AND AISI 316L)

Stainless steels are carbon steels with a chromium, nickel and manganese alloy.

Following the forming of the piece, we carry out a cleaning process known as PASSIVATION that gives it a higher level of protection against corrosion, because it provides protection in crevice cracks and it helps to eliminate the contamination it might have suffered when contacting other steels.

Our systems ST and EASYCONNECT AISI 304L and AISI 316L correspond to classification 9D according to UNE 61537.

EPOXY POLYESTER:

- In any colour.
- Minimum coating of 60 microns. Maximum 80 microns.
- Minimum duration in salt spray chamber 300 hours.

VALDINOX

CHOOSING OF FINISH ACCORDING TO ENVIRONMENTAL CONDITIONS

In order to be able to offer the highest possible quality and extend the useful life of our products, we have developed a table that shows the optimal relationship between the work environment and the finish of components:

SELECTION TABLE DEPENDING ON THE WORK ENVIRONMENT	
ENVIRONMENT	RECOMENDED FINISH
Indoors installation-Normal environment	Zinc plated / Galvanized / EPOXY
Outdoors installation-Normal environment	Galvanized / EPOXY
Indoors installation	Stainless Steel
Food industry	Stainless Steel / EPOXY
Chemical industry	Stainless Steel
Ship building insdustry	Stainless Steel
Indoors/outdoors installation	Galvanized / Stainless Steel
Acid or alkaline environment	Galvanized / Stainless Steel
Halogen environment	Galvanized

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ELECTRIC CONTINUITY

According to UNE 61537, cable management systems regarding their ability to conduct current in:

- a) Tray systems with electric continuity
- b) Tray systems without electric continuity.

Our systems ST and EASYCONNECT are classified as tray systems with electric continuity. The relevant tests were conducted in accordance with UNE 61537.

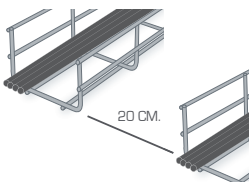
ELECTROMAGNETIC COMPATIBILITY

Electromagnetic disturbances are emitted by a source that contaminates a victim. The means of transmission of the electromagnetic disturbances is the so-called coupling.

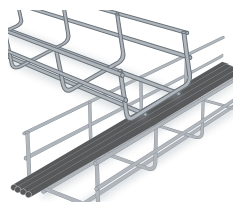
An ECM problem only occurs when the three factors –source, coupling and victim- occur at the same time. In order to achieve a good ECM you just have to eliminate or reduce the influence of one of these three factors.

If a cable tray has an excellent electric continuity and is integrated in the equipotential earthing system of the installation, it reduces the impact of coupling and contributes to a good ECM of the electric installation. .

IMPORTANT!



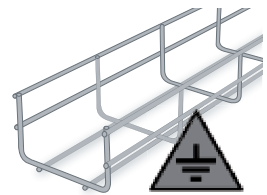
Separate power and data cables (20cm apart)



Cross cable groups and circuits at right angles



Ensure electric continuity: metallic cable trays and joints



Always connect cable trays to the earthing system (every 15-20m)

PRODUCT CERTIFICATION: EASYCONNECT SYSTEMS

VALDINOX

ZINC TRIVALENT BICHROMIUM PLATING

Fischerscope® XRAY XDL
Product: 1 / Zn/Fe Dir.: Group1 Block: 287
Application: 1 / Zn/Fe
n = 1 Zn = 10.1 µm
n = 2 Zn = 10.1 µm
n = 3 Zn = 10.1 µm
n = 4 Zn = 10.1 µm
n = 5 Zn = 10.2 µm
Mean 10.1 µm
Standard deviation: 0.037 µm
C.O.V. 0.36 %
Range 0.09 µm
Number of readings 5

Min. reading 10.1 µm
Max. reading 10.2 µm
Measuring time: 10 sec
Date: 27/10/2011
Time: 10:36:15
Manufacturer: Valdinox S.L.
Material: Cable Tray
Process: Zn White
Zinc trivalent bichromium plating. Thickness 8µ.
According to Rohs European directive.
Classified 2 according to EN 61537 :2007

Signature and Position:

Pedro Valdés.
Quality Dept.

easyconnect
through and under Cable Tray Assembling System

www.valdinox.com

VALDINOX

INSPECTION CERTIFICATE

MANUFACTURER PREMISES:
Valdinox S.L.
C/Villanueva, 12 - 39192 SAN MAMÉS DE MERUELO, CANTABRIA - ESPAÑA

STATEMENT OF COMPLIANCE:

STANDARD : UNE EN ISO 1461
PRODUCT : BANDEJA PORTACABLES
FINISHING / PLATING: GALVANIZADO EN CALIENTE POR INMERSIÓN
Average thickness: 100 µm
The quality of Zinc is according to standard UNE EN 1179

DATE OF ISSUE AND VALIDATION:
JANUARY 2012.

Issued at:
San Mamés de Meruelo, Cantabria, (España)
Enero de 2012.

Pedro Valdés
Quality Responsible.

easyconnect
through and under Cable Tray Assembling System

www.valdinox.com

PRODUCT CERTIFICATION: CABLE TRAYS

VALDINOX

ZINC TRIVALENT BICHRONIUM PLATING

Fischerscope® XRAY XDL
Product: 1 / Zn/Fe Dir.: Group1 Block: 287
Application: 1 / Zn/Fe
n = 1 Zn = 10.1 µm
n = 2 Zn = 10.1 µm
n = 3 Zn = 10.1 µm
n = 4 Zn = 10.1 µm
n = 5 Zn = 10.2 µm
Mean 10.1 µm
Standard deviation: 0.037 µm
C.O.V. 0.36 %
Range 0.09 µm
Number of readings 5

Min. reading 10.1 µm
Max. reading 10.2 µm
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According to RoHS European directive.
Classified 2 according to EN 61537 :2007

Signature and Position:

Pedro Valdés.
Quality Dept.

easyCONNECT
THE CABLE TRAY COMPANY

www.valdinox.com

VALDINOX

INSPECTION CERTIFICATE

MANUFACTURER PREMISES:
Valdinox S.L.
C/Villanueva, 12 - 39192 SAN MAMÉS DE MERUELO, CANTABRIA - ESPAÑA

STATEMENT OF COMPLIANCE:
STANDARD : UNE EN ISO 1461
PRODUCT : CABLE TRAY
FINISHING / PLATING: ZINC TRIVALENT BICHRONIUM PLATING
Average thickness: 100 µ
The quality of Zinc is according to standard UNE EN 1179

DATE OF ISSUE AND VALIDATION:
JANUARY 2012.

Issued at:
San Mamés de Meruelo, Cantabria, (España)
Enero de 2012.

Pedro Valdés
Quality Responsible.

easyCONNECT
THE CABLE TRAY COMPANY

www.valdinox.com

GLOSSARY OF TERMS

The following definitions are used within the scope of this international standard:

Tray system (cable trays)

A set of cable tray support devices made up by cable tray sections and other components of the system.

System components

A part used in the system. The system components are the following:

- a) Tray sections
- b) Tray channelling elements
- c) Support elements
- d) Mounting devices
- e) System accessories.

[Note: It is not strictly necessary that all components are included in the system]

Tray section

A component of the system for supporting cables and made up by a base and integrated sides or, a base fixed to the sides.

Tray conduction accessory

A component of the system used for joining, changing direction, changing the dimension or ending tray sections

[Note: typical examples are joints, elbows, bends, shunts...].

Cable management

A set made up only by the tray sections and their conduction accessories.

Support element

A component of the system designed to provide a mechanical support that can limit the movement of a cable management system.

Mounting device

A component of the system used for joining or securing other cable management devices.

Adapter of mechanisms

A component of the system used for placing electrical mechanisms such as switches, sockets, phone sockets, etc. that can be part of the electrical mechanism but are not part of the tray system.

System accessory

A component of the system that has a complementary function such as securing cables, covers, etc.

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Metallic Component of the system

A component of the system made out exclusively of metal. Connection bolts and other fastening devices are not taken into account.

Non-metallic component of the system

A component of the system made out exclusively of non-metallic material. Connection bolts and other fastening devices are not taken into account.

Composite component of the system

A component of the system made out of both metallic and non-metallic material. Connection bolts and other fastening devices are not taken into account.

Flame-retardant component of the system

A component of the system that can catch fire when applying a flame, fire does not spread along it, it goes out by itself in a limited time period after the flame application ends.

External influence

The presence of water, oils, building materials, corrosive substances and contaminants, external forces such as snow, wind and other weather conditions.

Working load limit [WLL]

Maximum load that can be applied in normal operation safely

Uniformly distributed load [UDL]

A load that is uniformly distributed over a specific area.

Span

Distance between the central points of two adjacent supports.

Internal fastening device

A device for joining or fastening system components to other system components. This device is a part of the system but not a component of the system.

[Note: typical examples are nuts and bolts].

External fastening device

A device used for fastening a device to a wall, ceiling or any other structural element. This device is not part of the system.

[Note : A typical example are anchor bolts].

Base area of a tray section

Useful area of the base for housing the cables.

Free base area

The part of the base area open to allow air circulation.

Load distribution plate

The means used to apply a punctual load to the sample with a view to performing a new test.

Type of product

Group of system components that vary:

- In the case of cable management, only the width
- In the case of horizontal supports, only the length
- In the case of vertical elements, only the length.

Topology form

The set of product types that only varies in thickness and height

Transversal arrow

A vertical arrow along the width of the base area, regardless of the longitudinal arrow, in horizontal installations.

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ASSEMBLIES AND FINISHINGS

The wire mesh cable tray has many advantages over other trunking systems. One of these advantages, perhaps the most significant is that, thanks to its shape, wire mesh cable tray adapt perfectly to spatial requirements of each installation.

The wire mesh cable tray is easily moldable by making a few cuts on its structure. This flexibility will enable us to overcome any unforeseen problem during installation.

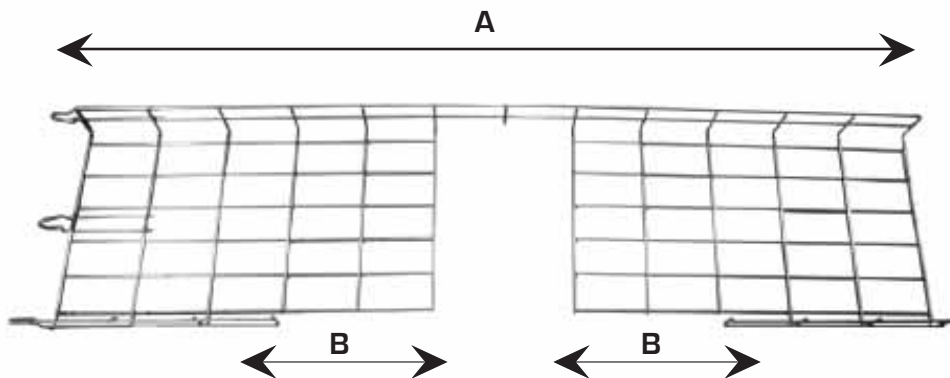
It has to be said that our fast and easy attachment accessories, fittings and supports allow us to avoid the using of fixing tools like wrenches or screwdrivers.

Here are some examples:



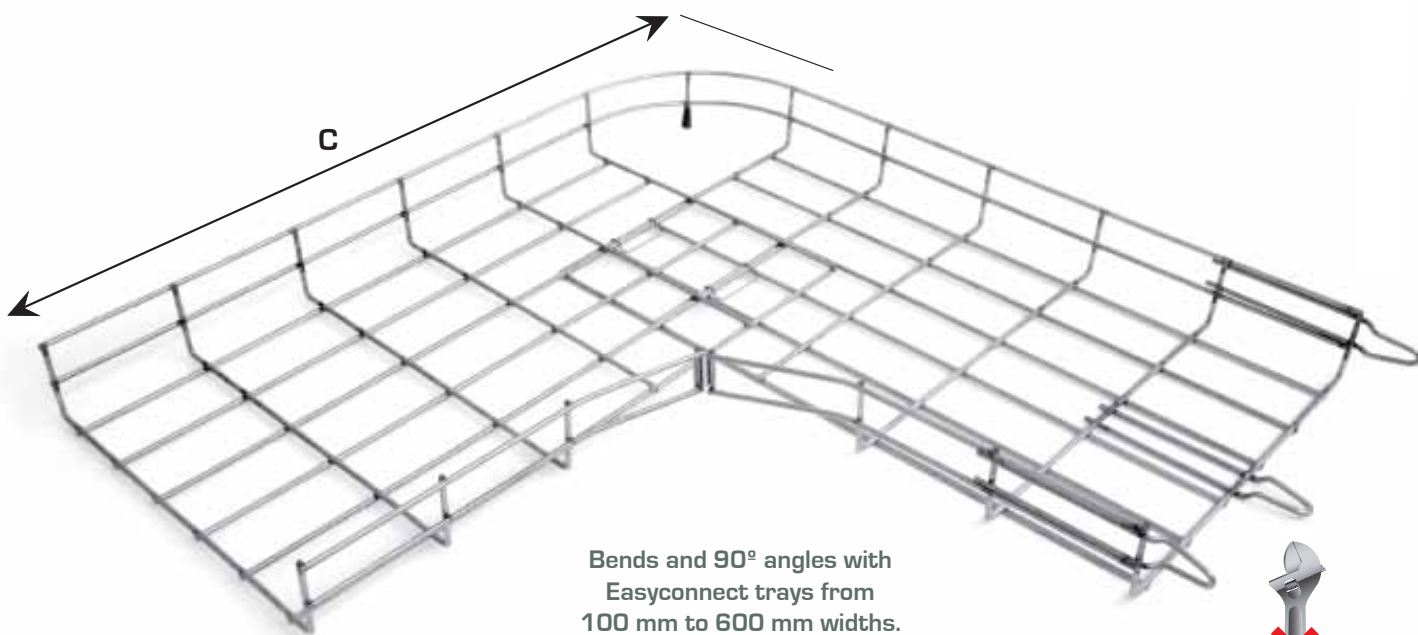
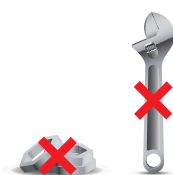
Assembly with tray size transition on EASYCONNECT.



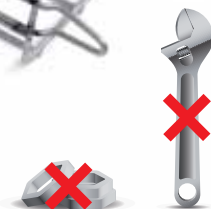


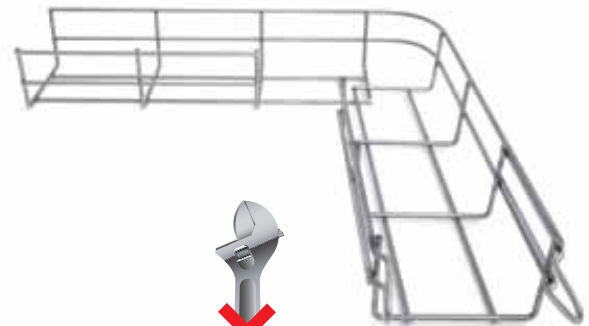
Special assemblies

TRAY WIDTH	C (mm)	B (mm)	A (mm)
200	525	100	1000
300	625	200	1200
400	725	300	1400
500	825	400	1600
600	925	500	1800



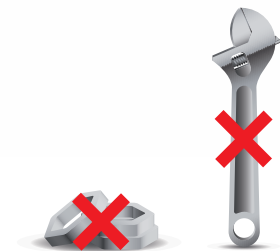
Bends and 90° angles with Easyconnect trays from 100 mm to 600 mm widths.





Bends and 90° angles with Standard and Easyconnect trays. 100 mm and 150 mm widths.

Tray derivation example



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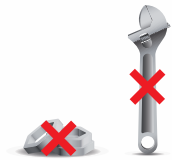
EASYCONNECT trays EPOXY coating.



CLIC Omega Support for wall
EPOXY Coating.



EASYCONNECT Bichromium finishing Gold



Support for wall EPOXY coating.



www.valdinox.com



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