

EMP-XS



PRODUCT DESCRIPTION

- INDETRUT solar connector. Atlantis C4-M

CHARACTERISTICS

- U-shaped connector for lengthwise joints on **GP-XS** guides
- Manufactured from **Atlantis® C4-M**-coated sheet steel.
- For outside use.
- Interior connection for **GP-XS** guide rails without interfering with any operations
- 3-mm thickness for a strong joint.

APPLICATIONS/MOUNTING ACCESSORIES



GP-XS



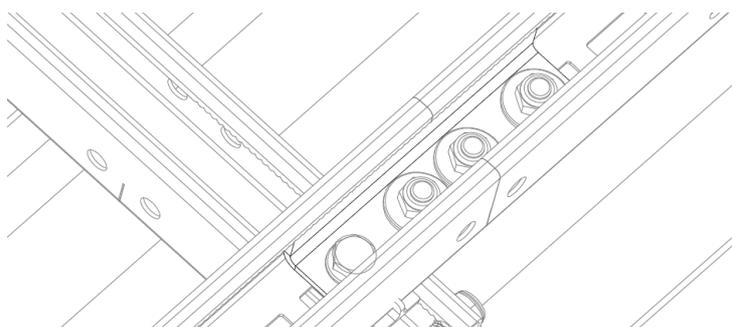
D603108016
+ D6923IM08

Used in **triangular and coplanar steel assembly systems in continuous format** as a lengthwise connector for **GP-XS** INDETRUT solar perforated guide.

Its specific design allows guides to be joined via their central groove without interfering with any operations.

The attachment between guides and the connector is made via four A2-70 stainless steel **D603108016** DIN-603 bolts and four **D6923IM08** DIN-6923 bolts. The perforations on the bottom of the guides facilitate quick installation.

APPLICATION EXAMPLE



Application example 1: longitudinal connectors for GP-XS guides

1. RANGE

ITEM	CODE	PHOTO	DESCRIPTION	LENGTH	MATERIAL	FINISH
1	EMPXS4115		INDETRUT solar connector. Atlantis C4-M	120 mm	Steel	Atlantis C4-M

2. INSTALLATION INFORMATION

2.1 EMP-XS

INDEXTRUT solar connector. Atlantis C4-M

	Material/finish Steel	Assembly accessories GP-XS INDEXTRUT solar perforated guide	 D603108016 A2-70 stainless steel DIN-603 bolt
	 Atlantis C4-M		 D69231M08 A2-70 DIN-6923 bolt

Measurement table

Code	A (mm)	B (mm)	C (mm)	D (mm)	E1 (mm)	F (mm)	G (mm)	H (mm)	L (mm)
EMPXS4115	37	24	8.5	16	3	6.5	33	25	120

Drawing

The drawing includes a cross-section view on the left showing dimensions A (width), B (height), and E1 (flange thickness). The top view shows the overall length L. The side view shows the profile with four mounting holes, with dimensions C (hole offset), D (hole width), F (hole spacing), G (hole spacing), and H (hole spacing).

Mechanical properties of the material

	Yield strength $F_{y0.2}$ (N/mm ²)	Ultimate load F_u (N/mm ²)	Elastic modulus E (N/mm ²)	Transverse elastic modulus G (N/mm ²)	Linear expansion coefficient α_L ($\mu\text{m/mK}$)	Specific weight ρ (kg/m ³)
Steel	235	300	210,000	81,000	12	7,850

Mechanical properties of the profile.

	Area S (cm ²)	Moment of inertia I_x (cm ⁴)	Moment of inertia I_y (cm ⁴)	Section modulus W_x (cm ³)	Section modulus W_y (cm ³)	Linear weight W (kg/m)
 EMPXS4115	2.25	1.26	4.55	0.8	2.46	1.77