

NU-XS

PRODUCT DESCRIPTION

- Articulated joint INDEXTRUT.

CHARACTERISTICS

- Pre-assembled product.
- Includes U-shaped support in **Atlantis® C4-M**-coated sheet steel.
- Includes one **DIN-931** (M8x60) bolt, two **DIN-125** (M8) washers and one **DIN-985** (M8) nut in A2-70 stainless steel.
- For outside use.
- Specific design for the construction of joined structures with **GP-XS** guide without interfering with any operations.
- Jointed assembly with the **GP-XS** guide through its lateral perforations, using the junction's own screw and bolt set.
- Pivoted joint with **DIN-985** insert nut, ensuring joint reliability and free rotation. There is no need to apply tightening torque, only to screw down until self-locking.
- Bottom mounting of the junction via two threaded holes, specifically placed to combine with the perforations on the bottom of the **GP-XS** guide.
- 3 mm-thick sheet steel for structural strength.



APPLICATIONS/MOUNTING ACCESSORIES

Steel triangular assembly systems are used to assist the installation of **GP-XS** "INDEXTRUT solar perforated guide" jointed structures.

The jointed assemblies are affected through the lateral perforations of the guides, through the bolts included with the junction. The **DIN-985** nut should be screwed down until the self-locking is activated and any gaps in the junction are eliminated. There is no need to apply tightening torque to allow rotation and prevent deformation.

In order to attach the junction to the lower face of the **GP-XS** guides, two stainless steel **D603I08016** "DIN-603 M8x16 bolts" and two **D6923IM08** "DIN-6923 M8 nuts" are used.

In order to attach the junction to the upper face of the **GP-XS** guides, the **TURXA208** "INDEXTRUT quick nut. Stainless steel A2" (size M8) and the **6921I08020** "DIN-6921 bolt" (size M8x20) are used, both made of stainless steel.



GP-XS



D603I08016



D6923IM08

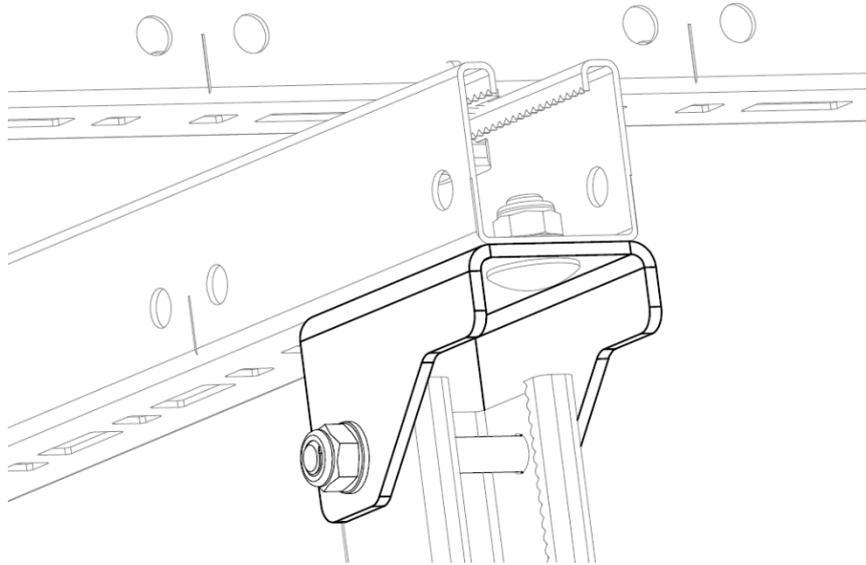


6921I08020

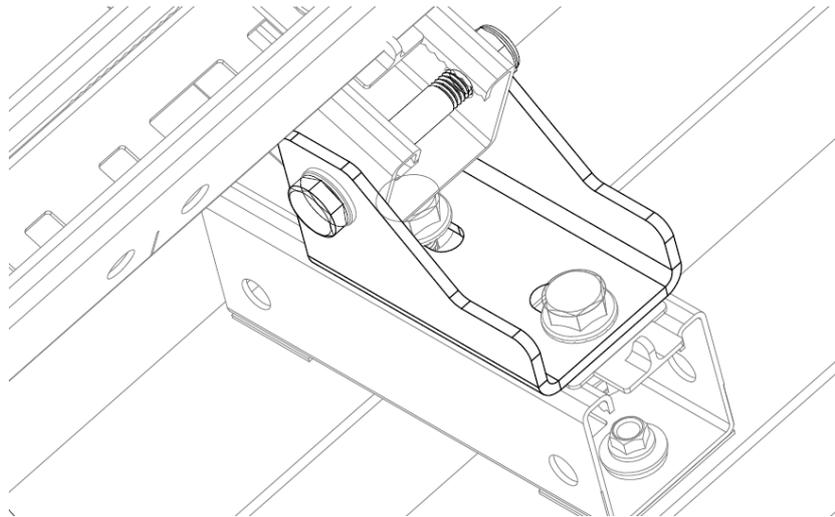


TURXA208

APPLICATION EXAMPLE



Application example 1: Mounting under the GP-XS guide



Application example 2: Mounting on the GP-XS guide

1. RANGE

| ITEM | CODE | PHOTO | DESCRIPTION | Guide width | MATERIAL | FINISH |
|------|-----------|---|-----------------------------|-------------|--|--|
| 1 | NUXSM0841 |  | Articulated joint INDEXTRUT | 41 mm |  Steel |  Atlantis C4-M |
| | | | | |  A2-70 | |

2. INSTALLATION INFORMATION

2.1 NU-XS

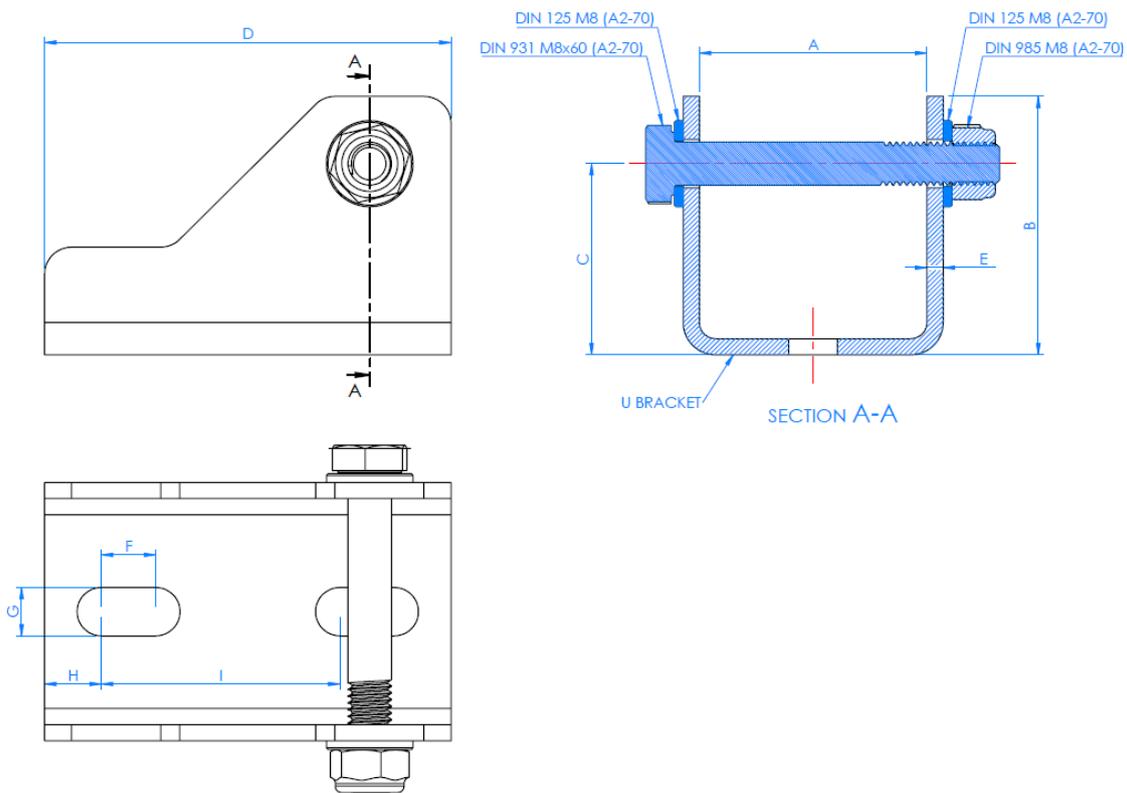
Articulated joint INDEXTRUT

|  | Material | Finish | Compatible with | Assembly accessories | |
|--|--|--|---|---|--|
| |  Steel |  Atlantis C4-M |  GP-XS INDEXTRUT solar perforated guide |  D603108016 A2-70 DIN-603 bolt |  D69231M08 A2-70 DIN6923 bolt |
|  A2-70 | |  6921108020 A2-70 DIN-6921 bolt | |  TURXA208 INDEXTRUT quick nut | |

Measurement table

| Code | A (mm) | B (mm) | C (mm) | D (mm) | E1 (mm) | F (mm) | G (mm) | H (mm) | I (mm) |
|-----------|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| EMPKS4115 | 42 | 48 | 35.5 | 75 | 3 | 10 | 9 | 10.5 | 44 |

Drawing



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 |
| A2-70 stainless steel | 450 | 700 | 210,000 | 81,000 | 17.3 | 7,850 |