

**RE-TE**

**PRODUCT DESCRIPTION**

- Watertight trebol rivet

**CHARACTERISTICS**

- Tri-bulb blind rivets.
- Aluminium head and shaft.
- Includes EPDM washer
- For outside use.
- Used to join rigid and soft materials.
- Excellent watertightness.
- Large contact surface after expansion with good load distribution.
- Adaptable expansion, can be used on oversized drill holes.



**APPLICATIONS**



**PSA-A**



**PSE-C**

For the installation of solar panels on **aluminium coplanar mounting systems with direct fixing**.

The structural components of the solar range that are normally installed are:

- **PSA-A**, winged aluminium solar profiles for direct fixing.
- **PSE-C**, aluminium solar profile for side mounting.

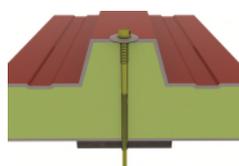
Extremely reliable joint used for mounting on metal roofs, maintaining watertightness.

**BASE MATERIAL/SEALING ACCESSORIES**

**BASE MATERIAL**



**Metal sheet**



**Sandwich panel**

**SEALING ACCESSORIES**



**CS-B**

**Butylene adhesive sealing tape**

**APPLICATION EXAMPLES**



**Application example 1: mounting of the PSA-A profile**



**Application example 2: detail showing mounting on sheet metal to test watertightness**

**1. RANGE**

ITEM	CODE	PHOTO	DESCRIPTION	DIAMETER	LENGTH	MATERIALS	
1	RETE5220		Watertight trebol rivet	5.2 mm	20 mm	 Aluminium	 EPDM

## 2. INSTALLATION INFORMATION

### 2.1 RE-TE

### Watertight trebol rivet

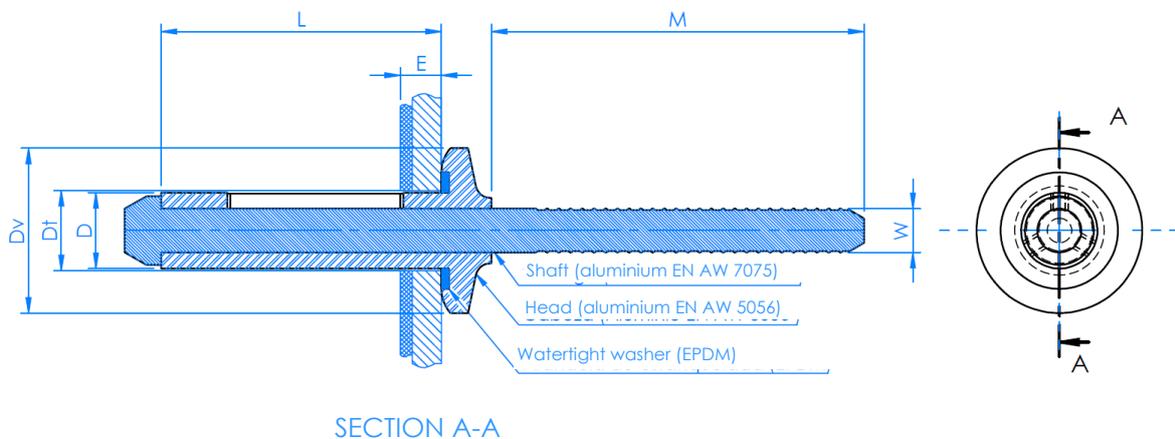


Material		Compatible	
<b>Al</b> Aluminium	<b>EPDM</b> EDM	<b>PSE-C</b> Aluminium profile for side mounting	<b>PSA-A</b> Winged aluminium profile
Base material		Sealing accessories	
<b>Metal sheet</b>	<b>Sandwich panel</b>	<b>CS-B</b> Butylene adhesive sealing tape	

Measurement table

Code	D (mm)	L (mm)	Dv (m)	M (mm)	W (mm)
RETES220	5.2	20	11.3	25.4	3

Drawing



Installation table

Code	Dt Drilled hole diameter (mm)	E Attachment thickness (mm)	Extraction strength (kN)	Shear strength (kN)	Shaft traction strength (kN)	Extraction load PSA-A profile/0.6 mm S280GD sheet steel NRd (kN)
RETES220	5.3-5.5	1.6-6.4	2	3	3.4	0.8

Installation tools



**RM-MA**  
Hand riveter for blind rivets



**RM-PA**  
Long arm hand riveter