

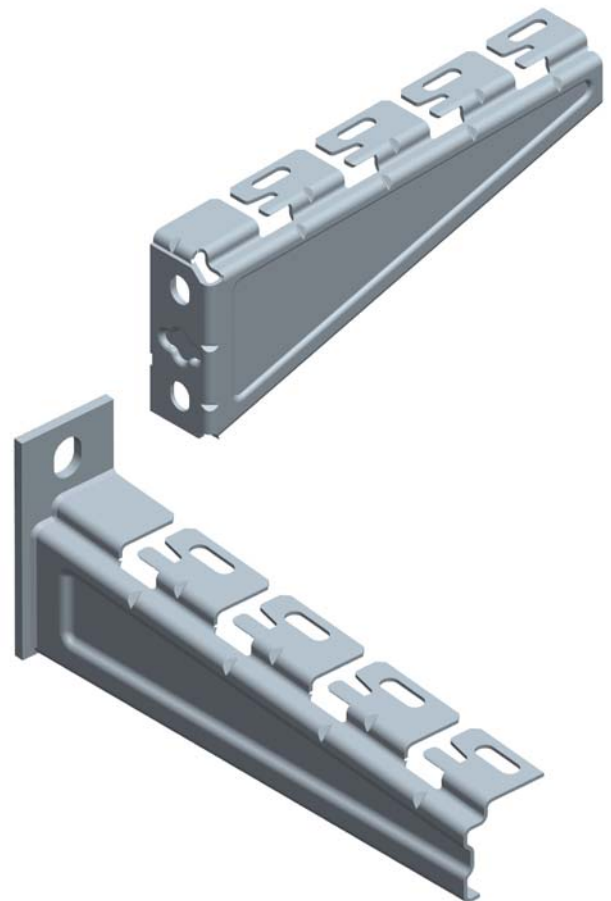
# Reinforced Bracket **RPLUS**

## DESCRIPCIÓN

Pemsa introduce a new range of reinforced supports that unify the system connection for Rejiband and Pemsaband trays for high loads and/or large amounts of wall or rail mounted cables.

## ADVANTAGES

- Unified Standard and Click range giving reduction in logistical references for the client.
- Reinforced Strength, the bracket has been designed with curves for greater strength and load bearing capacity.
- New Click System. Fixing pin for quickly securing the tray thus avoiding movement in any direction.
- Lateral Grooves. Increases the load resistance of the bracket and reinforces the area supporting the tray.
- Side Pressing. Fully embossed side enhances the strength of the bracket and improves its load capacity.
- Back Pressing. Embossed back increases the resistance of the bracket and prevents any bending.



## - CERTIFICATIONS -



## CERTIFICATIONS

- This product is certified by the AENOR **N mark**, complying with UNE-EN 61537, Cable tray systems and cable ladder systems for cable management.
- **E90** Fire Performance certificate in compliance with DIN 4102-12. (See fire performance section.)
- **CE** mark in compliance with Low Voltage Directive 2006/95 EC.

## Surface Protection and Resistance to Corrosion:

Cr<sup>VI</sup> -free finish in compliance with Directive 2002/95/EC RoHS.

- **Galvanized Sendzimir (GS)** in compliance with standard UNE-EN 10142. Class 3 protection in compliance with product standard UNE-EN 61537. Zinc protection adequate for indoor installations.
- **Hot-dipped galvanizing (HG)** in compliance with UNE-EN ISO 1461. Class 5 protection. Appropriate for outdoor installations and aggressive environments.

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## STRUCTURE

### Raw material:

Steel with surface protection or AISI 316L stainless steel, depending on the reference.

### Structure:

It comes in two different shapes, one for the GS finish, galvanized sendzimir, and another for HG/stainless, hot-dipped galvanized or stainless finishes. Each of these has different geometric characteristics (overall shape, distances between perforations, thickness, etc.)

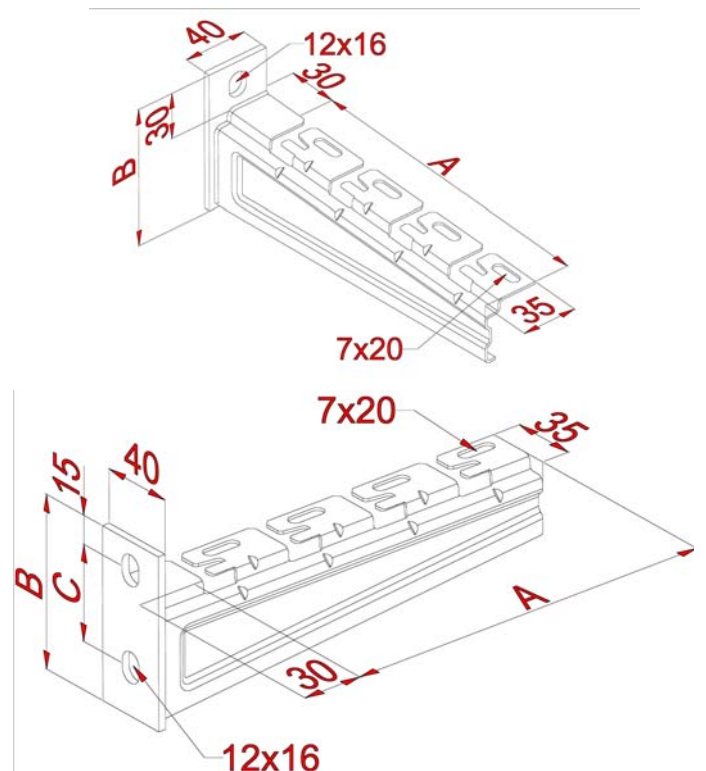
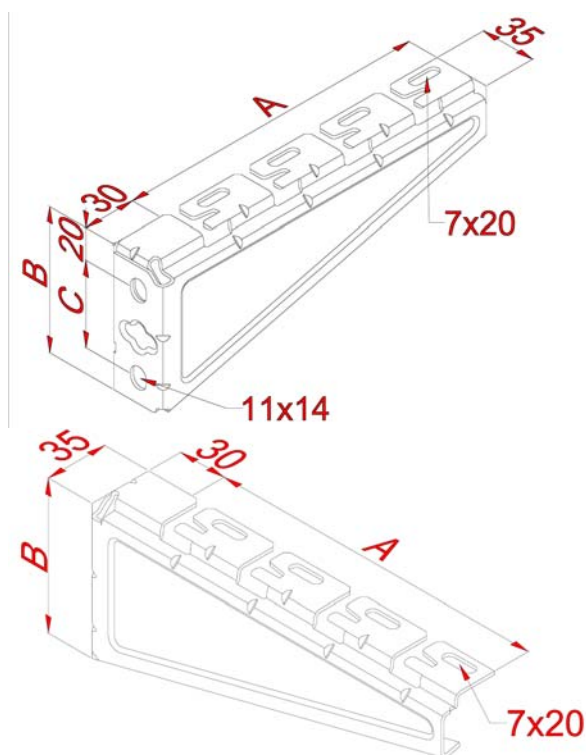
**Measurements:** (See illustrations and tables.)

### Finish P.G.

Type	A (mm)	B (mm)	Width (mm)	Rear drill holes	C
100	130	90	35	10x14	54
150	180	90	35	10x14	54
200	230	90	35	10x14	54
300	330	126	35	10x14	54
400	430	126	35	10x14	92
500	530	126	35	10x14	92
600	630	126	35	10x14	92

### Finish H.D.G and SS316

Type	A (mm)	B (mm)	Width (mm)	Rear drill holes	C
100	130	90	40	12x16	50
150	180	90	40	12x16	50
200	230	90	40	12x16	50
300	330	117	40	12x16	50
400	430	117	40	12x16	77
500	530	117	40	12x16	77
600	630	117	40	12x16	77



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## MECHANICAL STRENGTH

Maximum load or AWL, admissible workload per support in Newtons in compliance with standard UN-EN 61537. Safety coefficient of 1.7 without collapsing.

Type	Finish GS (N)	Finish HG (N)	Finish 316 Stainless (N)
100	2536	2063	1937
150	2403	1971	1830
200	2271	1879	1723
300	2006	1695	1509
400	1740	1845	1585
500	1475	1528	1387
600	1210	1210	1188

## TECHNICAL CHARACTERISTICS, according to UNE-EN-61537.

### Electrical Continuity:

An electricity conductor that maintains electrical continuity with the Rejiband and Pemsaband trays and ensures equipotential connection.

### Fire performance:

Completely free of fire-related risks, fire spreading risks or toxic or opaque smoke emission. Classified as non-flammable, **M0** according to the Basic Building Standard NBE-CPI/96 and as A1 according to the Technical Building Code.

Fire resistance classification **E90** (90 minutes and 1000°C), according to standard DIN 4102-12 for Fire behaviour of building materials and elements, fire resistance of electric cable systems required to maintain circuit integrity, depending on references and installations.

### Service temperature:

According to the classification of standard UNE-EN 61537: -20°C to +120°C

### Uses:

Support for Rejiband and Pemsaband trays when mounting on a wall, wall mounting using a rail, or mounting on a ceiling using the omega hanger or reinforced hanger. Suitable for medium and heavy loads. Also available with the click system for Rejiband tray supports (*see the corresponding Product Catalogue or Technical Data Sheet*).

Appropriate for electrical and/or telecommunication installations in: civil engineering projects, tunnels, car parks, public buildings, shopping centres. Large infrastructures, airports, trains and underground lines, etc. Tertiary sector and industrial uses: naval, petrochemical, textile, chemical, food products.