

POLITES FIX STEEL

Galvanised steel metal washer with self-tapping screw for metal supports.

Galvanised steel metal washer supplied in combination with a self-tapping screw, designed and conceived for fixing *Polites AR 250 mesh* to the steel floor in systems for preventing floor collapsing (*Diathonite Safety System*).

BENEFITS

- Economical kit.
- Can be used on all types of substrates.
- Specifically designed for metal joist applications.
- Easy to assemble.
- Can be used at temperatures in the range of -40.0°C (-40.0 °F) to +80°C (+176.0 °F).
- Excellent rust resistance.

COLOUR

Washer: galvanised.
Self-tapping screw: galvanised.

PACKAGING

Each kit contains 1 pack of 100 galvanised steel metal washers and 1 pack of 100 self-tapping steel screws.

YIELD

At least 4 pieces per each squared meter.

FIELDS OF APPLICATION

Kit designed as a robust and economical clasping element in the system for preventing collapse of floors beams, suitable for

connecting the mesh *Polites AR 250* to the ceilings with steel girders.

APPLICATION

The substrate must be dry to allow the screw to hold effectively. If necessary, carry out a volumetric restoration of the floor soffit with structural mortar:

1. Drill a slightly smaller hole than the diameter of the screw (approx. 0.5 mm) in the steel floor joists.
2. Remove dust and debris that may form when drilling the support;
3. Fix the *Polites AR 250* mesh to the ceiling with the nine-hole galvanised steel metal washer, securing it in place using the self-tapping metal screw supplied with the kit

DRYING TIME

The product does not require a drying time. For information on the drying time of the system in which the *Polites Fix Steel* is used, please refer to the *Polites AR 250* product data sheet.

SAFETY

Always use personal protective equipment when handling and follow the product's safety data sheet.

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Item	Property	Value	Units
Steel washer for metal supports	Total diameter	70 mm	mm
	Hole diameter	9	mm
	Thickness	8/10 mm	mm
	Colour	Galvanised	-
	Spanner	T40	-
Steel self-tapping screw for metal supports	Head diameter	17 mm	mm
	Resistant section	36,6 mm ²	mm ²
	Traction	19 kN	kN
	Pure shear	9,5 kN	kN
	Bending moment	19 Nm	Nm
	Tightening torque	15 Nm	Nm



ARMOURS – connectors