

Rebar bolt Ø25/M24 – Rock support bolt / Ceiling bolt



Rock support bolt. To be used fully embedded in cementitious grout or anchored with polyester. The bolt is suitable both as immediate work safety support or for permanent support in tunnels and caverns and general rock support in slopes. The bolt is supplied with a large chamfer in the threaded end and obliquely cut (45°) in the other end for improved polyester mixing or easy installation in grouted drill holes. The bolt is also used for fixing ceiling elements in tunnels.

Stock programme:

M24x1500	M24x4000	
M24x2000	M24x5000	
M24x2400	M24x6000	
M24x3000	M24x8000	Other lengths on request

Technical information:

Material: B500NC in compliance with NS 3576-3:2012.

Thread length: M24x150 mm (length 1500-5000)

Thread length: M24x200mm (length 6000-8000)

Bolt obliquely cut at 45°, threads are cold rolled.

Weight: 3,9 kg/m

Dimensions:	Tension area mm ² , A _s Thread-stem	Yield, ReH N/mm ² Min:	Tensile, Rm N/mm ² f _u	Ductility, AGT % min
M24x3,0 – Ø25	353-491	500	600	8

Minimum load capacity:

Thread:

Stem:

A_s x Reh

Yield: 177 KN

Yield: 246 KN

A_s x Rm

Tensile strength: 212 KN

Tensile strength: 295 KN

Corrosion protection / Pc - coat

Hot-dip galvanization is carried out in compliance with NS-EN-ISO 1461 and epoxy powder coating in compliance with NS-EN 13438. With regard to coating thickness and further information, please see Document Q/PTC-T19A – Specification for Pc-Coat – SVV/JBV. Please also refer to the Pc-Coat Product Data Sheet and accompanying FDV documentation.

Suitable polyester cartridge / drill holes:

Polyester Ø28x400 for drill hole Ø29-32mm

For larger drill holes bolt should have mixing spiral. See separate product data sheet for use of polyester.

Accessories:

For grouting: centralizer for centralizing and holding in borehole.

Plate spherical Ø150 and Ø190, triangle plate 400x500, mesh plate Ø140x3, half ball, nuts, sleeves, water proof bolt sealing and plates (200x20) for ceiling elements. All in Pc-Coat.