

Rebar bolt Ø25/M24 Rock support bolt/wall bolt



Bolt for installing wall elements. The bolt is obliquely cut for controlled mixing of the polyester. The rotation of the bolt is halted when it reaches the bottom of the borehole.

Stock programme:

Ø25/M24x2000 Ø25/M24x5000
 Ø25/M24x2400
 Ø25/M24x3000
 Ø25/M24x4000

Technical information:

Bolt: Rebar bolt Ø25 Mechanical properties corresponding to B500NC in compliance with NS 3576-3:2012 or equivalent

Thread length: M24x350 (thread cold rolled)

Bolt obliquely cut at 45°

Weight: 3.92 kg/m

Specifications: Ref. drawing PTC-118-1

Metric threads

Specified mechanical properties apply to original material

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	353-491	500	600	8

Homogenous material is used in the production of rebar bolts. The following calculations are based on that.

Safe working load threaded section $f_{sd} = ReH / \gamma_{M2} \times A_s \times 10^{-3} = 500 / 1.15 \times 353 \times 10^{-3} = 153 \text{ kN}$

Safe working load of rebar rod section $f_{sd} = ReH / \gamma_{M2} \times A_s \times 10^{-3} = 500 / 1.15 \times 491 \times 10^{-3} = 213 \text{ kN}$

Nuts: M24 +3/10 complying with ISO 4032-8, Pc-Coat

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 cartridges:

Ø28x370 (1 pc. or 2 pcs.) See separate product data sheet for use of polyester

Borehole:

Recommended borehole: Ø35-Ø38 mm when using polyester.

Accessories:

Back washer, front washer and nuts. Can be used with stiffening angles 90x90x10 or 120x12x12 if required. For splicing joints use joint sleeve M24x80 B1000-8. All in Pc-Coat.