

Rebar bolt Ø32/M33 – Rock support 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.

Stock programme:

M33x4000
M33x6000
M33x8000

Technical information:

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

Thread length: 200 mm (thread cold rolled)

Bolt obliquely cut at 45° Weight: 6.43 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
M33x3,5 – Ø32	694-804	500	600	8

Minimum load capacity:

Thread:

A_s x Reh

Yield: 347 KN

A_s x Rm

Tensile strength: 416 KN

Stem:

Yield: 402 KN

Tensile strength: 482 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 Ø40x480 for drill hole Ø45-48mm (2 pcs should be considered).

See separate product data sheet for use of polyester.

Accessories:

For grouting: centralizer for centralizing and holding in borehole.

Spherical bearing plate Ø150 and Ø190, half ball and nuts. Eye nut. All in Pc-Coat.