

NC-Bolt M24 B500NC, Combination bolt/rock support bolt



NC-Bolt M24 combination bolt/rock support bolt The bolt is used with an expansion shell for immediate work safety support. The bolt is subsequently grouted for permanent anchoring. NB! These bolts are delivered with pre-assembled expansion shells and packages are suited for stacking to optimize logistics.

Stock programme:

M24x3000	M24x5000	M24x8000
M24x4000	M24x6000	Other lengths on request

Technical information: Material: B500NC acc. NS 3576-3:2012, Rebar Ø25

Threaded length: 2x M24x150mm (cold rolled thread). ISO metric thread profile acc. to ISO 68-1.

weight: 3,9 kg/m (rebar only). Key grip nut acc. to ISO 4032.

Dimension:	Tension area A_s Thread-stem	Yield Strength ReH	Tensile Strength Rm	Ductility Agt
M24x2.5 – Ø25	353- 491 mm ²	Min. 500 N/mm ²	Min. 600 N/mm ²	Min. 8%

Minimum load capacity:

	$A_s \times ReH$	$A_s \times Rm$
End anchored:	Yield: 177 kN	Tensile strength: 212 kN
Fully imbedded:	Yield: 246 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.

Grouting: Typical water/cement-ratio is 0,3-0,4. For more detailed information, please see own brochure "Grout recommendations" on www.pretec.no.

Recommended borehole:

Borehole: Ø51-54mm

Drilling depth: Bolt length + 150 mm

Accessories:

Spherical bearing plate with hole for evacuating air (to be mounted before bolt installation), expansion shell M24 /51-54, long nut socket L:150mm and grouting tool.

NOTICE:

A transport securing cable tie is placed around the expansion sleeve. This must be removed immediately before inserting the bolt into the drilled hole.