

NC-Bolt M22 HTRB630, Combination bolt/rock support bolt



NC-Bolt M22, combination bolt for rock support. 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:

M22x3000 M22x6000
M22x4000 M22x8000
M22x5000 Other lengths on request

Technical information: Material: HTRB630 iht. – JYG08-2017, Rebar Ø22

Threaded length: 2xM22x200mm (cold rolled thread). weight: 3,0 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
M22x2.5 – Ø22	303-380 mm ²	Min. 630 N/mm ²	Min. 790 N/mm ²	Min. 7.5%

Minimum load capacity:

	$A_s \times ReH$	$A_s \times Rm$
End anchored:	Yield: 191 kN	Tensile strength: 239 kN
Fully imbedded:	Yield: 239 kN	Tensile strength: 300 kN

Recommended torque: 200-300 Nm. Tests show that the specified torque area normally provides a pretension in the region of 40-60 kN, with the possibility of deviant individual values between 10-70 kN due to variations in friction properties.

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: Ø45-48mm
Drilling depth: Bolt length + 150 mm

Accessories:

Spherical bearing plate with hole for evacuating air (to be mounted before bolt installation), expansion shell BL-M20x45/45-48, long nut socket L:150mm and grouting tool.