

NC-Bult



Specifications

Specifications				Borehole	
Dimension	Material ¹⁾	Thread length	Weight	Diameter, mm	Depth ²⁾
M20x2,5	HRB500E	2xM20x150 mm	2,47 kg/m	Ø45-48	L+150 mm
M22x2,5	HRB630	2xM22x150 mm	2,98 kg/m	Ø45-48	L+150 mm
M33x3,5	HRB500E	2xM33x200 mm	6,43 kg/m	Ø64-68	L+150 mm

Mechanical properties

Dimension	Tension area AS Thread-shank	Yield stress Reh	Tensile stress Rm	Ductility Agt
M20x2,5	245-314 N/mm ²	Min. 500 N/mm ²	Min. 600 N/mm ²	Min. 8%
M22x2,5	303-380 N/mm ²	Min. 630 N/mm ²	Min. 790 N/mm ²	Min. 7,5%
M33x3,5	694-804 N/mm ²	Min. 500 N/mm ²	Min. 600 N/mm ²	Min. 8%

Minimum load capacity

Dimension	End anchored ³⁾		Fully grouted		Torque Nm	Pre-tension kN
	Yield kN	Failure kN	Yield kN	Failure kN		
M20x2,5	123	147	157	186	150-250	40-60
M22x2,5	191	239	239	300	150-250	40-60
M33x3,5	347	416	402	482	200-300	40-60

1) According to GB1499.2-2007.

3) Poor and soft rock quality may give lower values.

2) L = bolt length.

Test on site under actual conditions to correctly establish representative values.