



CT-Bolt M20



CT-M20 Minimum load capacities

		Yielding load (kN)	Ultimate load (kN)
Point-anchored	M20	123	147
Fully grouted	D20	157	188

Loads are calculated without safety factor

Structural properties	B500NC	
Yield strength	500	MPa/ N/mm ²
Ultimate strength	600	MPa/ N/mm ²

Based on the characteristic value in NS 3576-3

Minimum Value / Type	Unit	Symbol	Value
Thread dimension			M20X2,5
Thread cross-sectional area	mm ²	A _t	245
Rebar cross-sectional area	mm ²	A _r	314
Yield strength	N/mm ²	R _{p0.2}	500
Ultimate strength	N/mm ²	R _m	600
Ultimate load strain	%	A _{gt}	8

Core diameter - bar	20 mm
Material - Rebar bolt	B500NC
Corrosion protection	CombiCoat/galvanized
Weight CT-M20 - 3m	10,9 kg
Borehole diam.	45 - 52 mm
Borehole length	Bolt length + 0,2m

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