

## Rebar bolt Ø20/M20 for PE foam



Installation bolt for PE foam. The end of the bolt is obliquely cut for improved polyester mixing. The bolt is delivered with preinstalled nut.

The nut is screwed 200 mm onto the bolt. Threaded end has a large bevel for easy installation of PE foam

### Stock programme:

M20x600	M20x1600
M20x800	M20x1800
M20x1000	M20x2000
M20x1200	M20x2400
M20x1400	M20x3000

### Technical information:

Bolt: Rebar bolt Ø20 Mechanical properties corresponding to B500NC in compliance with NS 3576-3:2012 or equivalent

Thread length: 300 mm (thread cold rolled)

Bolt obliquely cut at 45°

Weight: 2.47 kg/m

### Specifications:

Ref. drawing PCT-117-1

Metric threads

Specified mechanical properties apply to original material

Dimensions:	Tension area mm <sup>2</sup> , A <sub>s</sub> Thread-stem	Yield, ReH N/mm <sup>2</sup> Min:	Tensile, Rm N/mm <sup>2</sup> f <sub>u</sub>	Ductility, AGT % min
M20x2.5	245-314	500	600	8

Homogenous material is used in the production of rebar bolts. The following calculations are based on that.

Safe working load threaded section  $f_{sd} = ReH / \gamma_{M2} \times A_s \times 10^{-3} = 500 / 1.15 \times 245 \times 10^{-3} = 106$  kN

Safe working load rebar rod section  $f_{sd} = ReH / \gamma_{M2} \times A_s \times 10^{-3} = 500 / 1.15 \times 314 \times 10^{-3} = 137$  kN

Nuts: M20: +2/10, h=20 complying with ISO 4032-8, Pc-Coat

### 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 cartridges:

Ø23x250

Ø23x400

See separate product data sheet for use of polyester

### Borehole:

Recommended borehole: 26 mm-32 mm when using polyester.

### Accessories: