

## Fully threaded bolt M20 for polyurethane foam



Installation bolt for PE foam. The bolt can be grouted or equipped with a mixer spring for safe and controlled mixing of the polyester. The bolt is delivered with a preinstalled nut. The nut is screwed 200 mm onto the bolt. Not generally approved by the Norwegian Public Roads Administration. Approval must be sought for each individual project.

### Stock programme:

M20x1000	M20x1200	M20x1400	M20x1600
M20x1800	M20x2000	M20x2400	

### Technical information:

Bolt: Fully threaded bolt, steel 500, thread cold rolled.

Bolt obliquely cut at 45°

Weight: 2.10 kg/m

### Specifications:

Manufacturing and mechanical characteristics in accordance with DIN976 and ISO 898-1:2013

Dimensions:	Tension area mm <sup>2</sup> , A <sub>s</sub>	Yield, Rp0.2 N/mm <sup>2</sup> Min:	Tensile, Rm N/mm <sup>2</sup> f <sub>u</sub>	Ductility, AGT % min
M20x2.5	245	500	600-800	10

Working load threaded bolt  $f_{sd} = Rp0.2 / \gamma_{M2} \times A_s \times 10^{-3} = 500 / 1.15 \times 245 \times 10^{-3} = 107 \text{ kN}$

### Spring:

Exterior diameter 27.5 mm, length 300 mm. Ref. drawing PTC-029-5

Nuts: M20 +2/10 in compliance with DIN934-8, 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: Without mixing spring: 27 mm-28 mm

With mixing spring: 30 mm-34 mm

### Accessories:

P-clips for centering and holding grouted bolts.

Rear plate Ø143x3 m/rubber seal, front plate Ø143x3, and reinforcement fitting and nuts. All steel in Pc-Coat.