

## Fully threaded bolt M16 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:

M16x400	M16x600	M16x800	M16x1000
M16x1200	M16x1400	M16x1600	M16x1800
M16x2000	M16x2400	M16x3000	

### Technical information:

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

Bolt obliquely cut at 45°

Weight: 1.35 kg/m

### Specifications:

Construction 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
M16x2	157	500	600-800	10

Safe working load threaded bolt  $f_{sd} = R_{p0.2} / \gamma_{M2} \times A_s \times 10^{-3} = 500 / 1.15 \times 157 \times 10^{-3} = 68 \text{ kN}$

### Spring:

Exterior diameter 20 mm, length 150 mm. Ref. drawing PTC-029-1-1.5

Exterior diameter 22 mm, length 150 mm. Ref. drawing PTC-029-1-2.5

Nuts: M16 +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:

Ø18x200      Ø23x250      Ø23x400

See separate product data sheet for use of polyester

### Borehole:

Recommended borehole: For mixing spring M16 – 20x150 t=1.5 mm: Ø21-Ø24

For mixing spring M16 – 22x150 t=2.5 mm: Ø24-Ø28

### Accessories:

P-clips for centering and holding grouted bolts.

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