

## Fully threaded bolt M24/Fan bolt



Bolt for mounting fans, of ventilation, etc.

This bolt is designed for heavy loads. To be installed as a grouted bolt. The bolt is extremely ductile and has significantly better elongation than rebar bolts.

Not generally approved by the Norwegian Public Roads Administration. Approval must be sought for each individual project.

### Stock programme:

M24x3000

M24x4000

### Technical information:

Bolt: Full thread bolt in grade 8.8 steel, threads are cold rolled.

Weight: 3.0 kg/m

### Specifications:

Manufacturing and mechanical characteristics in accordance with DIN976 and ISO 898

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>	Extension % A <sub>s</sub>	Fracture toughness - 20°C Min
M24x3.0	353	640	800-1000	12	27J

Working load threaded bolt  $f_{sd} = f_u \times 0.9 / \gamma_{M2} \times A_s \times 10^{-3} = 800 \times 0.9 / 1.15 \times 353 \times 10^{-3} = 221 \text{ kN}$

### Nuts:

M30 +3/10 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.

### Borehole:

Recommended borehole:  $\emptyset 32$ - $\emptyset 38$

### Accessories:

Back washer 143x3 w/rubber joint, front washer 143x3 and joint sleeve M24x80 B2000-8. All in Pc-Coat.