

Rebar bolt Ø25/M24 – Light bolt/Net bolt



Bolt for suspension of road lighting support ladders. Bolts are normally installed in connecting sleeve, M16/M24x80 B2000-8. Equipment is clamped to the bolt. The bolt is also used for fixing of rock catchment nets on rock slopes.

Stock programme:

M24x1000

Technical information:

Bolt: Rebar bolt Ø25 Mechanical properties corresponding to B500NC in compliance with NS 3576-3:2012 or equivalent

Thread length: 150 mm (thread cold rolled)

Bolt obliquely cut at 45°

Weight: 3.92 kg/m

Specifications:

Ref. drawing PTC-118

Metric threads

Specified mechanical properties apply to original material

| Dimensions: | Tension area mm ² , A _s Thread-stem | Yield, ReH N/mm ² Min: | Tensile, Rm N/mm ² f _u | Ductility, AGT % min |
|-------------|--|--------------------------------------|---|-------------------------|
| M24x3.0 | 353-491 | 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 $f_{sd} = ReH / \gamma_{M2} \times A_s \times 10^{-3} = 500 / 1.15 \times 353 \times 10^{-3} = 153 \text{ kN}$

Safe working load of rebar rod section $f_{sd} = ReH / \gamma_{M2} \times A_s \times 10^{-3} = 500 / 1.15 \times 491 \times 10^{-3} = 213 \text{ kN}$

Nuts: M24 +3/10 complying with ISO 4032-8, VF Pc-Coat

Tightening torque:

For tension of 50 kN: 180-200 kN

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.

Accessories:

Sleeve M16/M24x80 B2000-8, Pc-Coat.