

Fully threaded bolt M33/Wall bolt



Bolt for installation of pre-cast concrete wall elements. The bolt is obliquely cut for controlled mixing of the polyester. The rotation of the bolt is halted when it has reached the bottom of the borehole.

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

Stock programme:

M33x1600

M33x2000

M33x2400

M33x3000

Technical information:

Bolt: Fully threaded bolt, steel 8.8C, thread cold rolled.

Bolt obliquely cut at 45°

Weight: 5.55 kg/m

Specifications:

Manufacturing and mechanical characteristics in accordance with DIN 976 and ISO 898-1:2013

Dimensions:	Tension area mm ² , A _s	Yield, Rp0.2 N/mm ² Min.	Tensile, Rm N/mm ² f _u	Extension % A ₅	Fracture toughness -20°C Min
M33x3.5	694	640	800-1000	12	27J

Working load threaded bolt $f_{sd} = f_u \times 0.9 / \gamma_{M2} \times A_s \times 10^{-3} = 800 \times 0.9 / 1.15 \times 694 \times 10^{-3} = 434 \text{ kN}$

Nuts: M33 +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.

Suitable polyester cartridges:

28x370 (1 pc. or 2 pcs.)

See separate product data sheet for use of polyester

Borehole:

Recommended borehole: Ø35-Ø38

Accessories:

Back washer, front washer and nuts. Can be used with stiffening angles 90x90x10 or 120x120x12 if required.

For splicing joints use joint sleeve M33x90 B1000-8, all in Pc-Coat.