

EZITEN plain strand

Product code: EULA

Product specification: Ø21 mm torque tension cable plain strand

Category: Rock Bolts - Cable bolt

Introduction

The EziTen cable bolt is a mechanically tensioned Ø21.8 mm cable bolt. The EziTen tensioning system can be used with plain (EULA) and indented (EULN) Ø21.8 mm strand. The pretension of a Ø21.8 mm cable bolt is achieved with a regular bolting machine (no hydraulic tensioner required). Pretension is a result of the torque applied by the installation dolly onto the nut. Cable torsion is eliminated through an internal thrust bearing. A chart of the typical torque/tension results is given overleaf. The bolt is pre-assembled and shipped, ready to install with a compatible dome plate.

Key features

- No specialised hydraulic tensioner unit are required for installation.
- Only one spanner is required for resin mixing and tensioning.
- Internal thrust bearing eliminates cable torsion, optimising induced tension.
- EziTen is delivered ready to install.
- Quick and simple installation into a standard hole diameter (no reaming).
- EziTen available with plain and indented strand cable.



Product Code Guide

| Bolt Type | Length | System & Accessories | Packaging |
|-----------|--------|----------------------|-----------|
| EULA | 420 | A6 | 25 |

Physical Properties

| | Minimum | Typical |
|----------------------------------|------------------------|---------------|
| Yield strength | 495 kN | 525 kN |
| Tensile strength | 573 kN | 595 kN |
| Elongation on 600mm Gauge Length | 3.5% | 5.7%-6.4% |
| Mass per metre (cable only) | 2.4 kg | |
| Fittings mass | 2.4 kg | |
| Cable (strand) diameter | Ø21.8 mm | |
| Tail length | 145 mm | 145 to 210 mm |
| Product diameter | Ø72 mm | |
| Installation dolly | Ø72 mm | |
| Shear Pin Break-out Torque | Range of 160 to 280 Nm | |

Notes Sandvik is Quality Assured to ISO 9001:2015

Installation/applications

Drilling

– Drill a Ø28 mm hole. Standard hole depths are based on 4 m, 6 m and 8 m with 150 mm of EziTen assembly and tail.

Installation

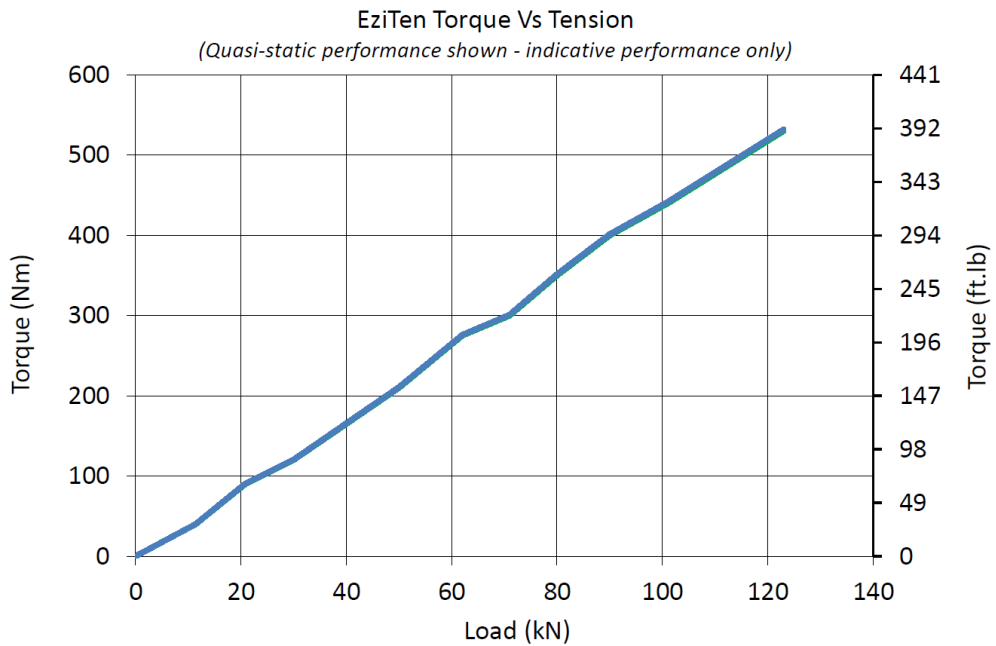
– Insert a resin cartridge and gently push it all the way to the top of the hole. For full encapsulation, chemical resin cartridges of different lengths and setting times are often used.

Resin Mixing

– Once in position, push the EziTen up until the resin capsule is at the back of the hole, spin, and push at maximum rpm through the resin. When the back of the hole is reached, continue spinning as per directions (marked on the resin anchor box).

Tensioning

– After the resin has set, rotate the nut in a right-hand direction to tension/tighten the assembly to the roof. The maximum extension of the jacking thread should be 60mm.



Packaging

Supplied in trays of 25.

Product range and accessories

Typically, plates used

| Product Group | Dome Plate | Double Plate | Spanner |
|---------------------|------------|--------------|---------|
| Product Imagery | | | |
| Product Code Prefix | D | DD | SSD |

Phone app

Want to know more; our full product range, knowledge centre, and other details are available via the App; available on iOS and Android devices by searching “Ground Support”.



iOS



Android

Legal disclaimer

All dimensions, weights, quantities, and specifications are those applicable at the time of this publication and may be amended from time to time. Please contact your local representative for final confirmation of any key specifications.