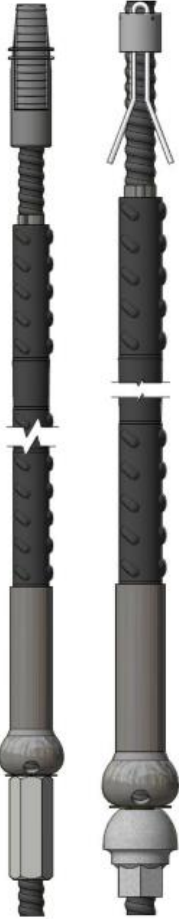


CUTTABLE COMBINATION ROCK BOLTS (CT-BOLTS)

DESCRIPTION



Cementitious grouts are intended for use with the CTBolt. The bolt has an expansion shell for preloading, which enables tunnel or mine heading advancement without grouting right away. After preloading, the Grout Bell permits grouting. For long-term protection, an anti-corrosion tube runs the entire length of the bolt. Various material forms of this bolt are offered to meet design specifications.

Bolt lengths are typically measured in 200mm steps, ranging from 1,200mm to 9,000mm. There are also non-standard lengths available.

The heavy-duty polyethylene bags shield the threads of the CTBolt when it is packaged in bundles. Except for washer plates, which are delivered loose, all bolts are supplied complete with attachments.

A special combination rock bolt system is the CTBolt. It provides the benefits of both a completely grouted rock bolt and an instant point anchorage. Fast installation and instant anchorage are made possible by a two-step installation process, and flexibility in terms of working cycles is provided by independent and separate grouting.

MAIN ADVANTAGES of CUTTABLE CT-BOLT



- The CT-Bolt is a R25 glass fibre reinforced plastic thread bar designed to be used with cementitious grouts.
- Combination of a fully grouted rock bolt and an instant point anchoring
- instantaneous load-bearing capability upon mechanical anchor installation

HEADQUARTERS

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PLANT

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- Flexible post-grouting behind the working face and quick installation
- Because of the grout covering and polyethylene sleeve, there is double corrosion protection.
- Simple modification of the corrosion protection level in response to client requests
- Manual or semi-automated installation process

INSTALLATION

Borehole drilling

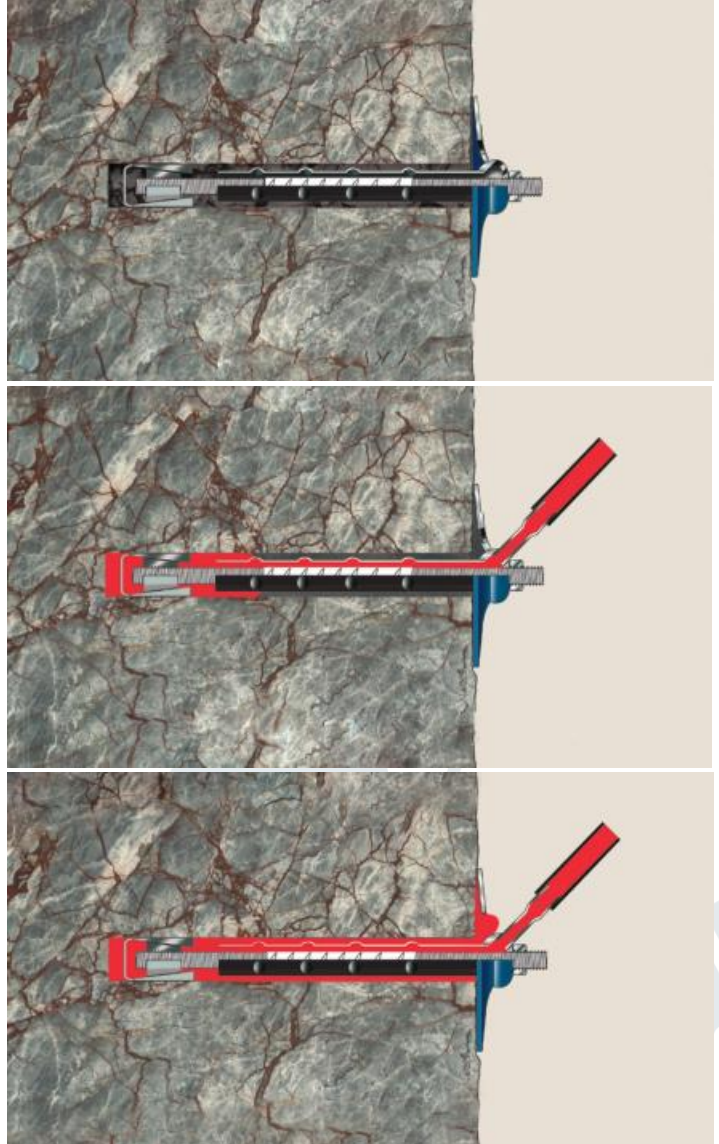
- Drilling of a borehole as per REGBAR's recommendation
- Recommended borehole length: about 50 mm longer than the bolt length
- Recommended borehole dia: 45-48mm

Bolt installation

- Insertion of the assembled Combo-bolt into the pre-drilled borehole
- Activation of the expansion anchor by screwing anchor nut provides immediate point anchorage.
- The required torque as shown in technical data sheet.

Bolt grouting

- Connection of an injection adapter to grouting bell of Combo-Bolt Assembly.
- Pump grout through the inlet of grouting bell until the grout flushing out from the circumference of plate and bleeding hole.



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ACCESORIES

Below accessories are supplied along with the product

Prodcut	Expansion Shell	Plates
Image (reference only)		

PROPERTIES

	Typical Values
Minimum Ultimate Grade	1000 MPa
Minimum Shear Yield Grade	460 MPa
Minimum Breaking Load	350kN
Minimum Shear Load @ 90 °	160kN
Major Bar Diameter	25mm GFRP
Cross Sectional Area (approx..)	346mm ²

Regbar
Ground Equipment
<http://tiny.cc/regbarga>



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