

TITAN BOLT (Plain)

HTC

28mm Hi-Ten Hollow Cable Bolt Plain

Product Code Guide	Bolt Type	Diameter	Wire	Bulbs/M	Length	Packaging
	HTC	8	P	2B	0620	25C

The Titan Bolt – a Ø28mm High Tension Hollow Cable is a hollow flexible cable bolt for top down grouting combined with in cycle resin cartridge point anchoring. The cable is compatible with a barrel and wedge anchoring system for pre-tensioning. Using a grouting lance grout can be pumped directly through the centre tube in the cable to exit near the top of the cable. There are bulbs continuously down the length for resin and grout anchoring.

Physical Properties

	Typical
Yield Strength	550kN
Tensile Strength	605kN
Elongation (500mm free length)	6%
Mass Per Metre	3.0kg
Cable (Strand) Diameter	Ø28mm
Resin Anchor Bulbs	3 x nominal Ø36mm bulbs with 300mm spacing
Grout Anchor Bulbs	500mm spacing

Key Features

- Cable with grout tube centre.
- Hex drive for resin anchoring and grouting lance adaption.
- Barrel and wedge for collar fastening.
- Three bulbs for resin load transfer Ø36mm in diameter.
- One grout release bulb Ø36mm with resin dam.
- Grout anchor bulbs every half metre down length Ø36mm in diameter.

Installation Guidelines

- **Drilling** – Drill Ø42mm to Ø45mm hole using conventional drilling methods (consult DSI Underground) for appropriate length.
- **Insertion and Rotation** – the cable can be spun and thrust off the hex drive with a spanner.
- **Resin Anchoring** – the cable can be anchored by using resin capsules. To anchor the cable the bolt is thrust and spun into the resin.
- **Tensioning** – Pre-tension can be applied to the cable through the mechanical torque tension system by rotational force applied through a spanner in the drill head.
- **Grouting** – The bolt can be grouted any time after resin anchoring. To grout the cable a grouting lance is used to adapt to the thread in the cable (in hex drive). The bolt can be grouted, top down using conventional underground grouting equipment.



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Product Accessories Examples

- DSI Underground manufactures a comprehensive range of plates specifically designed for this range of Bolts.
- For the full range refer to our product catalogue on our App; available on iOS and Android devices by searching “DSI Underground”.

Typically, plates used are:

	Products		
Product Group	Barrel & Wedge	Single Plate	Double Plate
Product Imagery			
Product Code Prefix	BLW	D	DD

Standard Length & Packaging

- Standard bolt lengths range from 4.2m to 10.2m.
- Collar/wedge assemblies can be supplied separately or prefixed to the cable.
- Non-standard requirements are available by negotiation.
- Bolts are strapped in bundles of 25 and supplied on straight steel trays or 25 in U-cradles.
- Assistance should be sought from DSI Underground’s Technical Service Engineers in selection of the correct bolt fittings for the application and the correct product codes.

Notes

- Only DSI Underground rock bolt components should be used to enable the optimum performance of the bolt system to be obtained.
- DSI Underground is Quality Assured to ISO 9001:2015, Certificate No. AU003618-3.

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 “DSI Underground”.



iOS



Android