

Product Code Guide	Description
CT26WRSS0540Q	5.4m High Strength CT containing SS316 Grout Bell
CT26WRSSP0540Q	5.4m High Strength CT containing SS316 Grout Bell and Pull Nut

Physical Properties

	Minimum	Typical
Yield Strength	524kN (950 MPa)	
Tensile Strength	579kN (1050 MPa)	
Calculated Shear Strength	382kN (693MPa)	
Bolt/Sheath Mass Per Metre		4.76kg/m
Fixtures Weight		2.8kg
Maximum Thread Dia		30.5mm
Bar Cross Section		552mm ²
Nominal Diameter		26.5mm
Product Protrusion Length from Roof (at 0°)		145mm
Max Product Diameter		Ø95mm

Key Features

- The High Strength CT Bolt is designed to be used with cementitious grouts or resin.
- The bolt is provided with an expansion shell for preloading, thus allowing for tunnel or mine heading to advance without immediate grouting.
- Grout Bell allows for grouting after preloading.
- Anti-corrosion sheathing over full length of bolt for long life term protection.
- Pull test bolt assembly version available. Test bolt installs and functions the same as regular product.

Installation Guidelines

- Drill 51-57mm hole diameters. The drill hole length must be longer than the bolt by approximately 50mm.
- Domed washer plate is fitted to the bolt.
- Fit expansion shell to bolt if required separately.
- The bolt is inserted into the hole.
- After placing the bolt in the hole to its full length, the bolt is then rotated to set the expansion shell to the required tension.
- Attach grouting adaptor to anchorage.
- Mix 0.33 to 0.35 W/C Grout. Pump grout. Grout is pumped through the inner annulus to the bolt end and returns along the outer annulus.
- Terminate grouting with visible grout return.
- Detach adaptor and proceed to the next bolt.



Notes

- Only DSI Underground 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
- Standard nut length to reduce protrusion into cavern is 40mm. Minimum load performance is 454kN
- Alternate nut lengths available on request
- Pull testing is done on externally threaded nuts (assembled on request)

Phone APP

- Want to know more? Our full product range, knowledge centre, and other details are available via the DSI Underground App; available on iOS and Android devices by searching “DSI Underground”.



iOS



Android