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Physical Properties Overview

	Typical
Tensile Load	>320kN
Working Load	>270kN
Shear Load	>210kN
Pretension	50 – 70kN
Shaft Diameter	Ø38.5mm
Nominal Drill Bit Diameter	Ø40.5mm
Drilling Method	Rotary, wet
Resin Curing Speed	Fast 6 seconds

DSI Underground OneStep self-drilling bolt has revolutionised rock bolting. It integrates the currently-used bolt installation components into one self-contained product, providing a robust system for fast, easy, safe, and reliable ground control.

- The OneStep rock bolt system consists of three major components: the drilling system, the resin encapsulation system, and the dispensing pressure system.
- The inherent safety and technical benefits have made OneStep bolts a logical choice for hazardous mining scenarios such as longwall shield recovery, as well as difficult development conditions where drill hole collapse is common.
- The inherent productivity benefits are yet to be fully realised, but offer great potential to current mining systems, and especially in the path to automation.

Standard Length

DSI Underground OneStep self-drilling steel bolts are commonly supplied in 300mm increments from 1,200mm long to 2,500mm long.

Storage and Expiry

- DSI Underground OneStep resin has a 6 month shelf life when kept below 25°C.
- Please refer to Best Before stickers on the red cap at the end of the bolt.

Notes




- DSI Underground is Quality Assured to ISO 9001:2015.



Product Accessories Examples

- DSI Underground manufactures a comprehensive range of products specifically designed for these bolts.

Typically, Products used are:

	Products		
Product Group	Butterfly Plate	Plate	Bolts
Product Imagery			
Product Code Prefix	BUTT	PP	RD

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