

FIBREGLASS DOWEL 30T

FGD22

DYWI® GRIP CUTTABLE PRODUCTS

Product Code Guide	Bolt Type	Diameter	Length	Tensile Strength	Breakout Nut
	FGD	22R	120	T30	H

Physical Properties

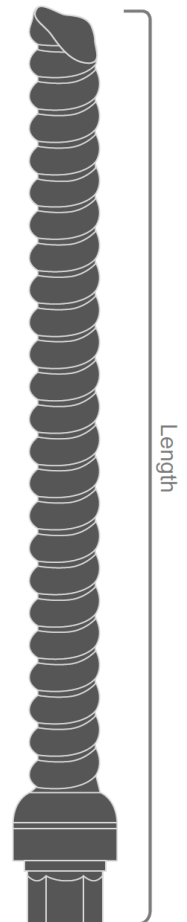
	Minimum	Typical
Tensile Strength	300kN	330kN
Nut/Thread Tensile Strength	70kN	90kN
Double Shear Strength	90kN	110kN
Nut Breakout Torque	60-100Nm	70Nm
Mass Per Metre		720g/m
Nominal Bolt Diameter		Ø22mm
Nominal Cross Sectional Area		280mm ²
Thread Dimension	Ø22mm Right Hand Continuous 10mm Pitch	
Bar Torsional Strength	75Nm	100Nm

Key Features

- The 30-tonne dowel has a Ø22mm continuous right hand thread over its full length and is typically supplied with an integral drive nut.
- The integral domed drive nut is 36mm AF and factory pinned requiring a breakout torque of 60 to 100Nm. Alternatively, a fixed blind nut is available for thrust dowel applications.
- The Ø22mm fibreglass dowels are designed to be used with resin anchors and be fully encapsulated.
- Dowels are machined with a chisel point end at one end.
- The nut load capacity is typically 70kN for both the tensionable and fixed blind nut.

Installation Guidelines

- Ø28mm hole diameters are preferred.
- Hole depth is critical. Hole depth should be 75mm shorter than the bolt to allow for the height of the washer and nut, maximizing resin encapsulation.
- After insertion of the resin anchors, the bolt is rotated through the anchor(s) while being pushed to the back of the hole.
- It is important to follow the resin anchor recommended mixing and hold times as printed on the chemical anchor cartons. DO NOT OVER MIX.



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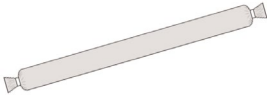

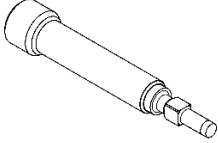
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Product Accessories Examples

- DSI Underground manufactures a comprehensive range of plates specifically designed for this range of Bolts.

Typically, plates used are:

Product Group	Products		
	Resin	Plates	Spanner Dolly
Product Imagery			
Product Code Prefix	RS	PP230	SSD22

Storage

- Must be stored out of direct sunlight.

Standard Length & Packaging

- Standard bolt lengths range from 1,200 to 1,800mm in 300mm increments. Other lengths are available by negotiation.
- 1,200mm long dowels are packed in 10's then palletized in lots of 1000.
- 1,500 and 1,800mm long dowels are packed in 10's then palletized in lots of 500.

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

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