

Product Code Guide	Bolt Type	Diameter	Length	Drive Nut & Accessories	Coating	Packaging
	DS	2	210	DFPH	G	050

Physical Properties

	Minimum		Typical	
Yield Strength	250MPa	95kN	300MPa	110kN
Tensile Strength	410MPa	150kN	475MPa	175kN
Calculated Shear Strength	100kN		115kN	
Elongation (After Fracture)	22%		35%	
Mass Per Metre	2.92kg			
Bar Diameter	18.0mm			
Cross Sectional Area			254mm ²	
Rolled Thread			M20x2.5mm Pitch	

Key Features

- Manufactured from hot rolled bar.
- The rolled thread strength nominally equals the column strength of the bar.
- The bolt is designed to be used with an 20mm expansion shell.
- Corrosion protection maybe provided by galvanizing or Obduro settings

Installation Guidelines

- It is imperative that the hole diameter suits the expansion shell to be used
- The drilled hole length must be longer than the bolt by approximately 50mm
- Appropriate components are fitted to the bolt. The expansion shell is screwed onto the bolt until the bolt thread just protrudes through the expansion shell plug
- After placing the bolt in the hole to its full length, the bolt nut is rotated to set the shell and tension the bolt

Standard Lengths & Packaging

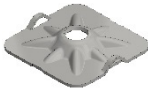
- Standard bolt lengths range from 600 to 6000mmm in increments of 300mm.
- Non-standard requirements are available by negotiation.
- Bolts are packaged in bundles with threads protected by heavy duty polyethylene bags.
- Bolt fittings, such as nut and anti-friction washer, are normally supplied fitted to wriggle bolts in the configuration as requested.



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

Typically used products with these items are:

	Products			
Product Group	Star Plate	Octo Plate	Butterflies	Expansion Shell
Product Imagery				
Product Code Prefix	STP	OCT	BUTT	ASES

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