

SOLID DEFORMED BAR

PCS5

25MM PADDLE BOLT

Product Code Guide	Bolt Type			Dia.	Length	Drive Nut & Accessories				Coating	Packaging						
	P	C	S			5	2	4	0		D	P	2	H			0

A more comprehensive product code matrix is provided at the start of this section.

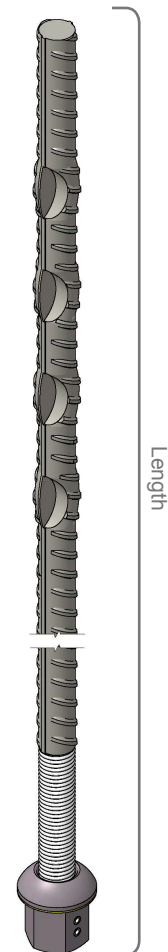
Physical Properties	Minimum		Typical	
Yield Strength	540MPa	244kN	640MPa	289kN
Tensile Strength	625MPa	282kN	700MPa	323kN
Calculated Shear Strength	169kN		193kN	
Elongation (After Fracture)	6%		20%	
Tensile Strength of Threaded End			245kN	
Mass Per Metre	3.55kg		Cross Sectional Area	452mm ²
Major Bar Diameter	27.0mm		Thread	1" UNC
Bar Core Diameter	23.0mm			

KEY FEATURES

- ▶ The Solid Deformed Bolt is manufactured from hot rolled reinforcing bar having rib deformations generally in a “herringbone” form.
- ▶ The Bolt has a 1" UNC thread cut at one end and 4 paddle indents at the other end.
- ▶ The solid deformed bolt is usually fully encapsulated with resin anchors, but can be effectively used with cementitious grouts.
- ▶ Corrosion protection may be provided by hot dip galvanizing or alternative coatings.

INSTALLATION GUIDE LINES

- ▶ 33-35mm hole diameters are preferred when incorporated with the DSI Paddle
- ▶ Hole depth is critical. Hole depth should be shorter than the bolt to allow for the height of the washer and nut.
- ▶ It is important to follow the resin anchor recommended mixing and hold times as printed on the resin anchor cartons. DO NOT OVER MIX.



PRODUCT ACCESSORIES EXAMPLES

DSI manufactures a comprehensive range of plates specifically designed for this range of Bolts. For the full range see Surface Support section or visit the product catalogue on our website.

Product Group	Starplates	Dome plates	Butterflies	W-Strap
Product imagery				
Product Code Prefix	STP	D	BUTT	MW

STANDARD LENGTHS & PACKAGING

- ▶ Standard bolt lengths range from 600 to 3000mm in 300mm increments.
- ▶ Non-standard requirements are available by negotiation.
- ▶ Bolts are packaged in bundles with threads protected by heavy duty polyethylene bags.
- ▶ Bolt fittings, such as nuts, anti-friction washers and domed balls, are supplied fitted to rock bolts in the configuration requested.

NOTES

- ▶ Only DSI 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 9001:2008, Registration No.QMS 41328.