

24 [mm] Chemical Anchor Bolt

EHH

With Forged Integral Head

Product Code Guide

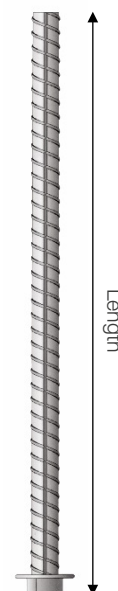
Bolt Type	Dia.	Length	Drive Nut & Accessories	Coating	Packaging
	mm	mm			
EHH	4	120	V5015		

Technical Specifications

Physical Properties	Minimum		Typical	
Yield Strength	375 [MPa]	140 [kN]	400 [MPa]	150 [kN]
Tensile Strength	570 [MPa]	210 [kN]	680 [MPa]	250 [kN]
Calculated Shear Strength	140 [kN]		170 [kN]	
Elongation (After Fracture)	17%		22%	
Mass per Metre	2.92 [kg]			
Bar Core Diameter	21.7 [mm]			
Major Bar Diameter	23.2 [mm]			
Cross Sectional Area	370 [mm ²]			
Rolled Thread	M24 x 3.0 [mm] Pitch			

Key Features

- Commonly known as the Thrust Bolt.
- Manufactured from a special hot rolled deformed bar designed by DSI.
- This bolt features a rib pattern which actively assists with mixing the chemical anchors during installation.
- The deformed bar rib pattern improves load transfer properties.
- The 24 [mm] chemical anchor bolts have a hot forged integral head.
- 36 [mm] square heads are used in areas where headroom is low or when bolt tails are undesirable, flat plates are generally used with headed bolts and are untensionable.
- The 24 [mm] chemical anchor bolt is designed to be used with resin anchors, but can be effectively used with cementitious grouts.
- Corrosion protection may be provided by hot dip galvanizing or alternative coatings.
- Australian Patent Number 536627 is applicable to the bar design of this bolt.



24 [mm] Chemical Anchor Bolt

With Forged Integral Head

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 Accessories Examples			
Product Group	Flat Plate	Butterflies	W-Strap
Product Imagery			
Product Code Prefix	F	BUTT	MW

Installation Guidelines

- 27-28 [mm] hole diameters are preferred. If larger diameter holes are to be used refer to “POSIMIX” bolts.
- Hole depth is critical. Hole depth should be slightly longer than the bolt length to ensure that the bolt plate and bolt head are tight to the roof after installation.
- It is important to follow the resin anchors recommended mixing and hold times as printed on the resin anchor cartons. DO NOT OVER MIX.

Standard Lengths & Packaging

- Standard bolt lengths range from 600 to 3,000 [mm] in 300 [mm] increments.
- Non-standard lengths are available by negotiation.
- Bolts are packaged in bundles.

Notes

- Only DSI rock bolt components should be used to enable the optimum performance of the bolt system to be obtained.
- Non-standard lengths are available by negotiation.
- DSI Underground is Quality Assured to ISO 9001:2008, Registration No.QMS 41382.

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