

AKH Grade Herringbone Bar Peak Resin Bolting System

AKH

Product Code Guide	Bolt Type	Diameter	Length	Drive Nut & Accessories	Coating	Packaging
	AKH	4	180	DFP2H	TD	050
	AKH	4	210	DFP2H	TD	050

Physical Properties

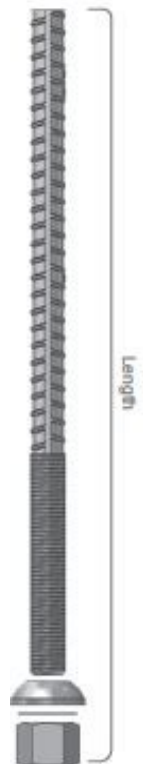
	Minimum		Typical	
Yield Strength	600MPa	220kN	650MPa	240kN
Tensile Strength	840MPa	305kN	890MPa	315kN
Calculated Shear Strength	200kN		225kN	
Elongation (After Fracture)	15%		19%	
Mass per Metre	2.97kg			
Bar Core Diameter	Ø21.7mm			
Major Bar Diameter	Ø23.6mm			
Cross Sectional Area	370mm ²			
Rolled Thread	M24 x 3.0mm Pitch			
Impact Toughness	27 Joules			

Key Features

- Manufactured from a special hot rolled deformed bar designed by DSI Underground.
- This bolt features a herringbone profile which provides localised micro mixing of the resin anchor whilst reducing longitudinal pumping during bolt rotation.
- The AKH bolt steel chemistry provides a 30 tonne roof bolt with improved impact toughness greater than HSAC840 and more implicit of British Standard BS7861.
- The AKH bolt is used with a 36mm long breakout nut to improve load bearing capacity at the hole collar and plate.
- Corrosion protection may be provided by thermal diffused Obduro coatings.
- The AKH bolt is designed as a complete chemical anchor bolt system to be used with a specific nut, plate and chemical anchor.

Installation Guidelines

- Resin anchoring using this component system is designed to eliminate or reduce hydraulic fracturing of the strata during insertion and mixing of the resin.
- 27-28mm hole diameters are preferred but are conditionally dependent on using FASLOC resin anchors as the specific formulation is designed and tested for this resin anchoring system.
- It is important to follow the resin anchor recommended mixing and hold times as printed on the resin anchor cartons. Do not over mix.



AK Grade Herringbone Bar Peak Resin Bolting System




Standard Lengths & Packaging

- Standard bolt lengths are 1500mm, 1800mm and 2100mm incremental changes are by arrangement.
- Non-standard requirements are available by negotiation.
- Bolts are packaged in bundles of 50 with sub bundles available on request.
- Bolt fittings, such as nuts, anti-friction washers and domed balls, are supplied fitted to rock bolts in the configuration 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	Resin
Product Imagery				
Product Code Prefix				

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