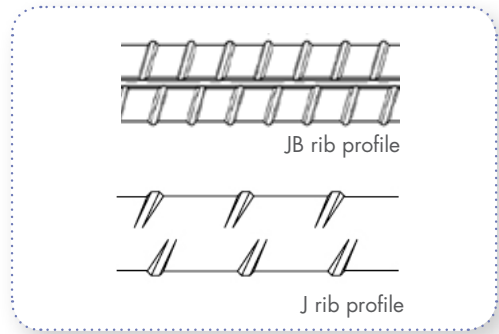


ROCK BOLTS

M24 TORQUE TENSION

Features

- The “X” grade steel used by Jenmar has superior toughness and ductility through the use of grain refining alloys. The Jenmar “X” grade bolts should provide better performance in mines where Stress Corrosion Cracking is evident and also in areas of high localised horizontal stresses
- The JX rock bolt profile provides superior load transfer characteristics using the unique “J” bar pattern.
- Recommended for drill hole sizes 27 – 28mm diameter without mixing devices or 35-40mm with resin mixing devices
- M24 couplers, 35mm diameter are available for use with torque tension bolts
- Various roll pin break-out torque ranges available
- Available as galvanised
- *Left hand thread required for hard rock and civil installation*



HSAC840 Grade Description	X Grade M24 Bar Properties Minimum		X Grade M24 Bar Properties Typical	
	MPa	kN	MPa	kN
Yield Strength of Steel	600	228	650	240
Tensile Strength of Steel	840	306	920	335
Standard Elongation	Min	15%	Typ	19%
Shear Strength (0.7 x UTS)		223		245

300 Grade Description	JBS Grade M24 Bar Properties Minimum		JBS Grade M24 Bar Properties Typical	
	MPa	kN	MPa	kN
Yield Strength of Steel	300	110	340	126
Tensile Strength of Steel	440	161	490	182
Standard Elongation	Min	22%	Typ	27%
Shear Strength (0.7 x UTS)		113		127

Bar Diameter (mm)	Core	21.7mm	Major	23.5mm
Bar Straightness to AS 1442-1991				

Cross Sectional Area (mm ²)	380
Mass Per Metre (kg/m)	3.00
Drill Hole Size Plain (mm)	27-29
Drill hole size Paddle (mm)	32-38

Various torque rated shear pin break-out nuts available for use on M24 bolts



Jenmar Australia Pty Ltd products are manufactured and supplied to the specifications shown on our product information sheets, or to an agreed customer specification. The customer (purchaser) is responsible for checking the suitability of products for their intended use. Furthermore, we make no representation about the time or costs associated with your installation of the products.