

Rock Bolts

M24 Torque Tension Bolts



Features:

- Jennmar has a range of support options in its M24 torque tension bolt range
- Options include, mild steel "JBS bolts" to "JX bolts" using "X" grade steel providing superior toughness and ductility
- The Jennmar "X" grade bolts provide better performance in mines where Stress Corrosion Cracking is evident and also in areas of high localized horizontal stresses
- Compatible plates and shear-pin with varying ranges of torque break-out strength are available for all bolt options
- Suitable for use with Resin or Cementitious Grout
- Mechanical anchors may be supplied fitted to the bar
- Available with Right or Left Hand Thread and a full range of M24 accessories and tools to suit requirements and installation equipment from hand held to mechanized
- Available plain or with galvanized corrosion protection options

Property	M24 JX - 'X' Grade Bolt		M24 JBS Mild Steel Bolt	
	Minimum Value	Typical Value	Minimum Value	Typical Value
Yield strength (kN)	218	246	109	129
Ultimate Tensile strength (kN)	305	348	160	185
Shear Strength (kN)	213	243	112	130
Elongation %	15	19	22	27
Bar core diameter (mm)	21.5	21.7	21.5	21.7
Cross sectional area (mm ²)	363	378	363	378
Rib height (mm)	1.1	1.5	0.5	1
Rib Spacing (mm)	23	30	9	13
Mass/meter (kg/m)	2.8	3.0	2.8	3.0