

# Rock Bolts


## M24 JX Torque Tension Bolt








### Features:

- The preferred primary roof support bolt by Australian coal mines
- The "X" grade steel used by JENNMAR has a superior toughness and ductility through the use of grain refining alloys. 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
- All nuts are coated with a dry film molycoat to provide low friction and corrosion resistance
- All nuts are connected to the bolt by a shear-pin with varying ranges of torque breakout strength

Property	Minimum Value	Typical Value
Yield strength (kN)	218	246
Ultimate Tensile strength (kN)	305	348
Shear Strength (kN)	213	243
Elongation %	15	19
Bar core diameter (mm)	21.5	21.7
Cross sectional area (mm <sup>2</sup> )	363	378
Rib height (mm)	1.1	1.5
Rib Spacing (mm)	23	30
Mass/meter (kg/m)	2.8	3

Steel grade colour code	
-------------------------	--

Bolt length (m)	Colour code
1.2	
1.5	
1.8	
2.1	
2.4	

High ribbed bar for improved resin mixing and higher load transfer  
 To suit drill bit 27 – 28mm  
 Available plain or hot dipped galvanized