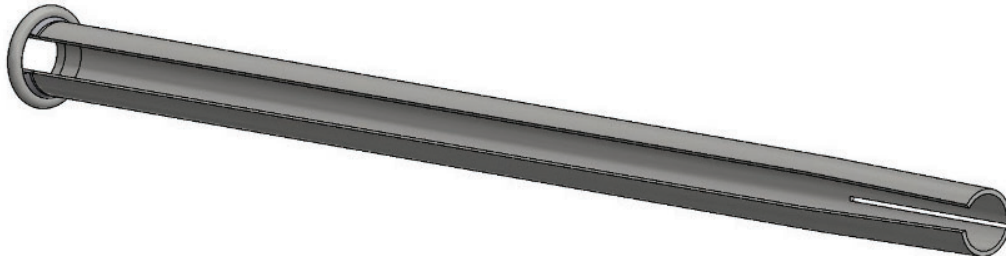


# Temporary Rock Bolts

## Friction Lok Bolt



### Features:

- The radial compression of the slotted steel tube inside a borehole provides both radial and axial restraint to rock movement
- Can be post grouted for extra corrosion protection and support capacity
- Available in black or hot dipped galvanised
- 39mm Friction Lok designed to suit 47mm friction lok plates, requiring the use of one plate on site

### 33mm Friction Lok

Property	Minimum Value	Typical Value
Yield strength (kN)	80	100
Ultimate Tensile strength (kN)	100	120
Cross sectional area (mm <sup>2</sup> )	204	
Mass/meter (kg/m)	1.53	
Drill Hole size	30 - 32	
Welded Ring Integrity Test Min. (kN)	98	

The 33mm Friction Lok can be supplied Black or Hot Dipped Galvanised.  
Conformance Certificates provided for all Civil products.

- Continued

# Temporary Rock Bolts

## Friction Lok Bolt - *Continued*

### 39mm Friction Lok

Property	Minimum Value	Typical Value
Yield strength (kN)	90	115
Ultimate Tensile strength (kN)	115	135
Cross sectional area (mm <sup>2</sup> )	225	
Mass/meter (kg/m)	1.77	
Drill Hole size	35-38	
Welded Ring Integrity Test Min. (kN)	118	

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The 39mm Friction Lok can be supplied Black or Hot Dipped Galvanised.  
Conformance Certificates provided for all Civil products.

### 47mm Friction Lok

Property	Minimum Value	Typical Value
Yield strength (kN)	120	160
Ultimate Tensile strength (kN)	165	180
Cross sectional area (mm <sup>2</sup> )	355	
Mass/meter (kg/m)	2.79	
Drill Hole size	42-45	
Welded Ring Integrity Test Min. (kN)	157	

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The 47mm Friction Lok can be supplied Black or Hot Dipped Galvanised.  
Conformance Certificates provided for all Civil products.