

BLACK DIAMOND DRILLING FRICTION BOLT

OVERVIEW

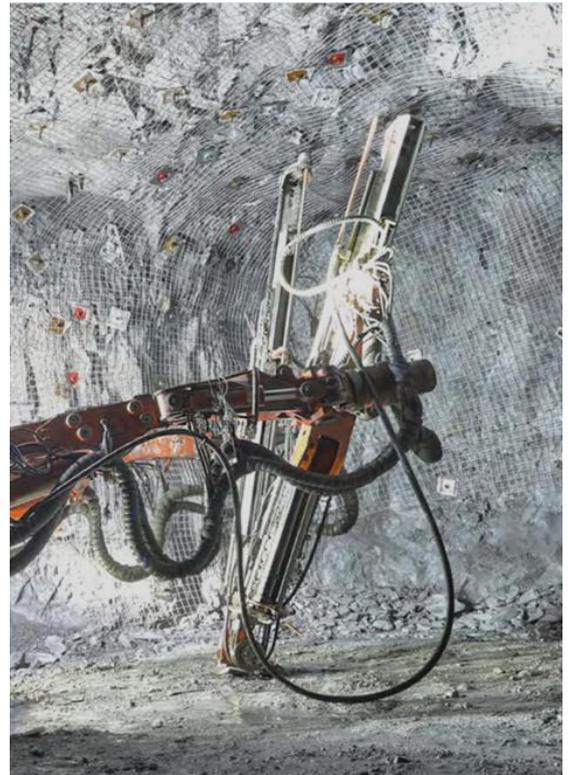
Black Diamond Drilling Friction Bolts are an efficient fortification product that provide instant frictional support of the face.

They can be installed by hand or mechanically.

Friction Bolts are inserted into the smaller drilled hole creating force against the walls of the drilled hole which creates frictional resistance along the entire length of the bolt.

ADVANTAGES

- Simple and fast installation
- Immediate load support after installation
- Affordable support solution
- ISO-9002 Certified
- Can be strengthened with resin or grouting



Specifications

Diameter	33mm	39mm	47mm
Lengths	0.9-2.4m	0.9-2.4m	0.9-3.0m
Recommended Drilled Diameter	29-31mm	35-38mm	43-45mm
Yield Strength	115 kN	117 kN	180 kN
Total Tensile Strength	122 kN	125 kN	195 kN



FRICTION BOLT ACCESSORIES

Black Diamond Drilling can manufacture and supply a comprehensive range of bolting accessories suitable for Underground Mining Applications. These accessories used alongside our Friction Bolts provide a high quality, reliable solution for ground support in Underground Mining Operations. Designed to help prevent loose material from falling between the roof bolt patterns and strengthen the intermediate roof.

DOMES PLATES	Product Code	Product Description
	GR-DPLATE-SS33-150/150-G	Domed Plate Stabiliser 150x150x4mm Galvanised
	GR-DPLATE-SS39-150/150-G	Domed Plate Stabiliser 150x150x4mm Galvanised
	GR-DPLATE-SS47-150/150-G	Domed Plate Stabiliser 150x150x4mm Galvanised
	GR-DPLATE-SS47-200/200-G	Domed Plate Stabiliser 200x200x4mm Galvanised
COMBI PLATES	Product Code	Product Description
	GR-CPLATE-SS33-300/240-G	Combi Plate Stabiliser 300x240x4mm Galvanised
	GR-CPLATE-SS39-300/280-G	Combi Plate Stabiliser 300x280x4mm Galvanised
	GR-CPLATE-SS47-300/280-G	Combi Plate Stabiliser 300x280x4mm Galvanised
	GR-CPLATE-SS47-400/280-G	Combi Plate Stabiliser 400x280x4mm Galvanised
PULL RING	Product Code	Product Description
	GS-PRING-47/49	Pull Ring/Plug 47mm

H22/33 DOLLY DRIVER	Product Code	Product Description
	THU-TOOL-SSDRIVER-H22/33	Dolly Driver Hex 22 Shank 33mm Bolt
	THU-TOOL-SSDRIVER-H22/39	Dolly Driver Hex 22 Shank 39mm Bolt

T38/39 DOLLY DRIVER	Product Code	Product Description
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THU-TOOL-SSDRIVER-T38/39 Dolly Driver T38 Thread 39mm Bolt

T38/47 DOLLY DRIVER	Product Code	Product Description
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THU-TOOL-SSDRIVER-T38/46 Dolly Driver T38 Thread 47mm Bolt

T38 DOLLY BAR MF	Product Code	Product Description
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THU-DBAR-T38/R39/T38-MF/500 Dolly Bar MF T38 Thread 500mm

THU-DBAR-T38/R39/T38-MF/915 Dolly Bar MF T38 Thread 915mm

T38 DOLLY BAR MM	Product Code	Product Description
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THU-DBAR-T38/R39/T38-MM/500 Dolly Bar MM T38 Thread 500mm

THU-DBAR-T38/R39/T38-MM/915 Dolly Bar MM T38 Thread 915mm

T45 DOLLY BAR MF	Product Code	Product Description
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THU-DBAR-T45/R39/T38-MF/500 Dolly Bar MM T45 Thread 500mm

THU-DBAR-T45/R39/T38-MF/915 Dolly Bar MM T45 Thread 915mm

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