

CABLE BOLTS

BOWEN CABLE

Characterised by non-collapsible bulbs every 500mm down the grouted length of the SuperStrand, which are a smaller diameter than the top resin anchorage bulbs. The breather tube is permanently fixed to the cable with metal ties. The bolt features a resin retention washer which can be placed on the cable at any position which optimises anchorage.

Features

- Grouted bulbed section produces high bond strength to the rock
- Anchored with JLOK “Post –Grout” resin capsules for mixing in 42-45mm drill holes or grout
- Special high strength plates are used with additional grout and breather tube slots
- Can be easily installed off the IT using a fish hook and grout for 50 tonne single strand support
- Can be tensioned up to 25 tonnes
- Special packaging is available to suit the lengths ordered and for the transport system used at the mine site. This may include plates and barrels and wedges
- The Bowen cable is bottom-up grouted using specially developed hole seals
- Breather tube can be removed and fish hooks attached for fully grouted hand installation



Strand Diameter	No. of Wires	Steel Area	Typical Strand Yield Strength	Typical Breaking Load		Elongation at Strand Failure
				Strand	Strand at non-collapsible bulb	
21.8mm	19	313mm ²	525kN (53 Tonne)	590kN (60 Tonne)	45 Tonne*	6 - 7%

* 45 tonne breaking load if the cable is only point anchored & not grouted.

Drill Hole Diameter (mm)	“Top” Bulb Diameter (mm)	“Bottom” Bulb Diameter (mm)
42 - 45	38	32



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