



70T JW10 CABLE

TECHNICAL DATA



70T JW10 Cable

Features:

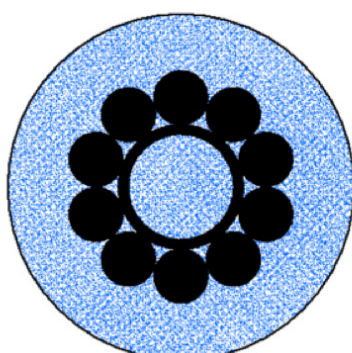
- Resin anchored, pre-tensioned and post grouted
- Standard 31mm diameter to suit common cable
- Bolting installation accessories i.e. dollies, tensioners and grout lances
- Enhanced pumpability due to larger grout tube and new grout port spreader design
- Hydraulically tensioned from 8 - 25 tonne using the proven barrel and wedge system
- Smooth wire for high performance in strata shear conditions
- Lengths available up to 12 m. Typically supplied in 4.2m, 6.2m, 8.2m, and 10.2m



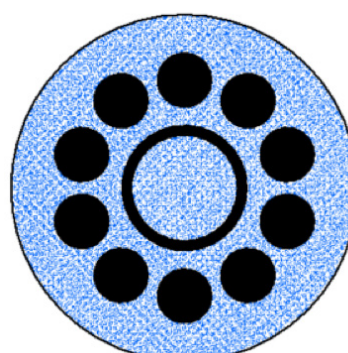
Technical Data – 70T JW10 Cable

Strand Diameter (mm)	31	
Mass Per Metre (kg/m)	3.5	
Typical Elongation Typical	5 - 7%	
Typical Strand Yield Strength (kN)	640	
Typical Breaking Strength (kN)	Strand	705 (72 t)
	Strand at B&W	640 (65 t)
Grouted Section	Birdcage Diameter (mm)	36
	Birdcage Spacing (mm)	500
Resin Anchored Length	Length (mm)	1250
	Birdcage Diameter (mm)	36
	Birdcage Spacing (mm)	300
Drill Bit Size (mm)	42 - 45	

Antinode



Node



Barrel and Wedges

Features:

- Barrel and wedges packaged 5 per bucket
- BW31MMD70 can be pre-pressed onto cable to control tail length
- B&W collar breaking strength 62T min
- B&W designed to control failure by sequentially breaking wires at ultimate capacity

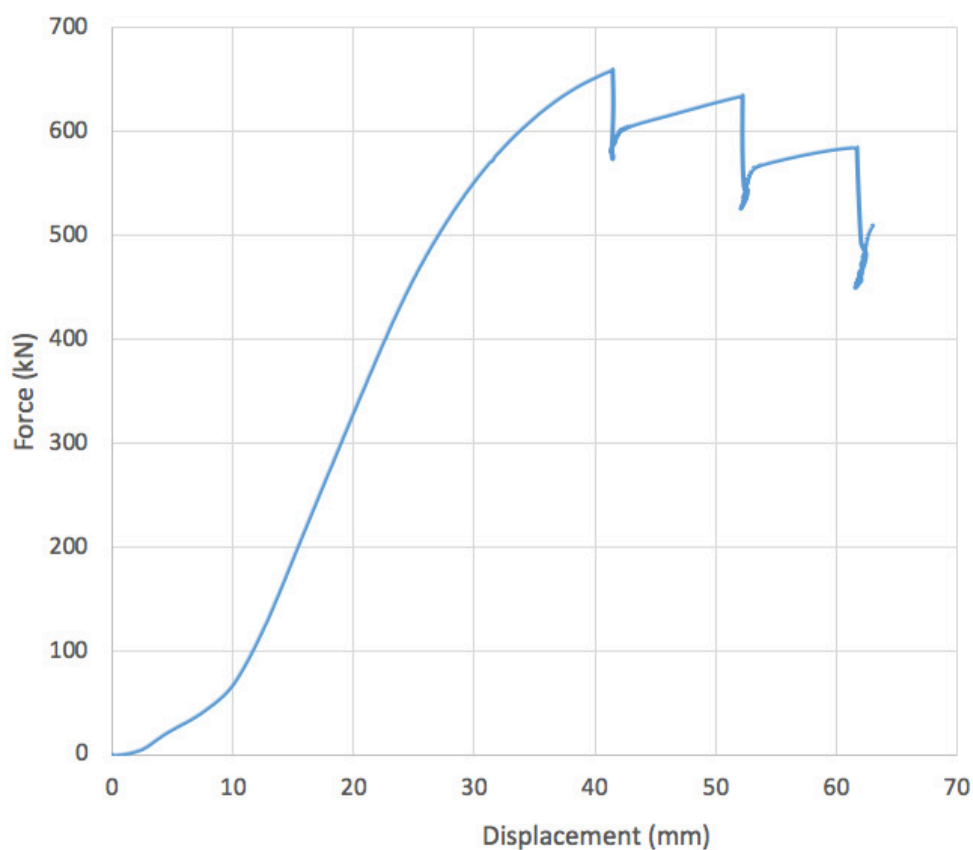
BW31MMD70



BW31MMD90



Typical B&W Tensile Test Result for JW10



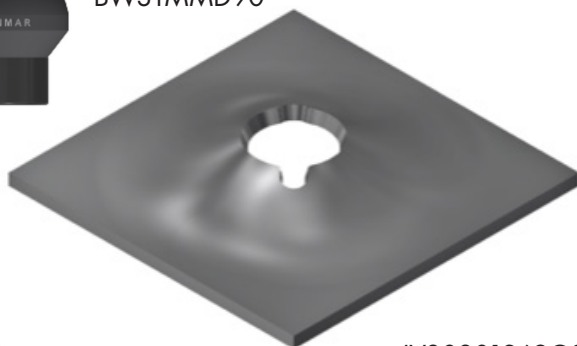
Plates

Features:

- High grade 12mm thick volcano plates with grout indicator slots
- Plates available for trussing
- Plate articulation angle: $\pm 20^\circ$



BW31MMD90



JV30301269GS

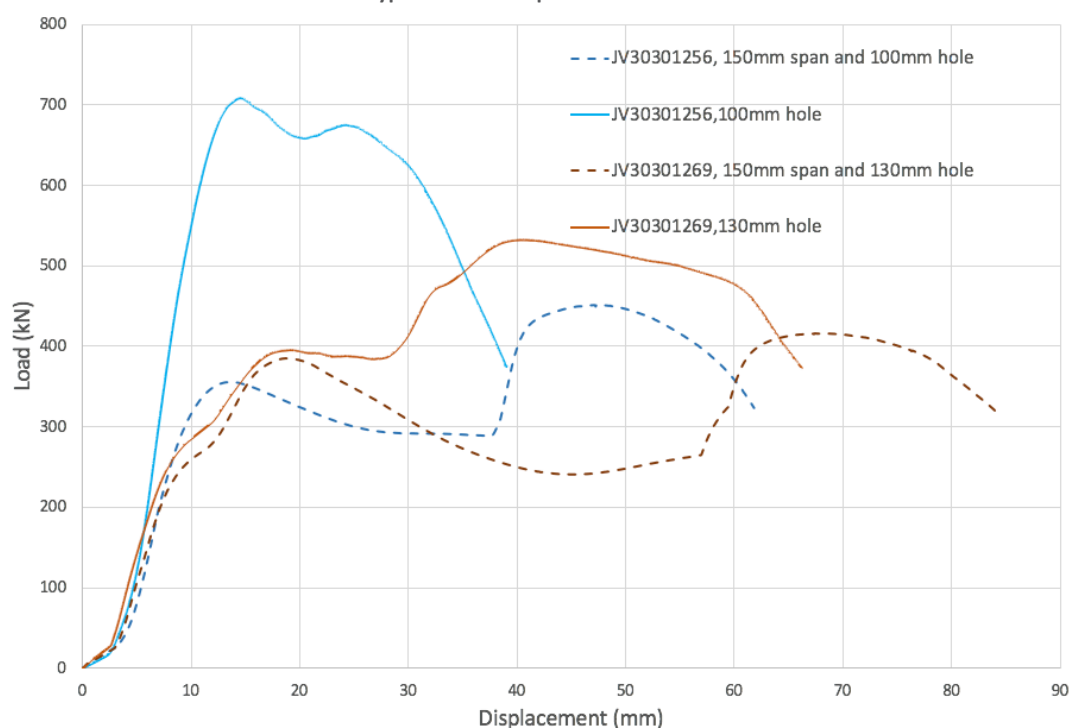


BW31MMD70

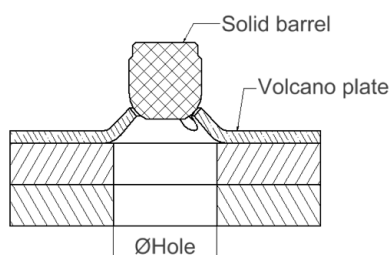


JV30301256GS

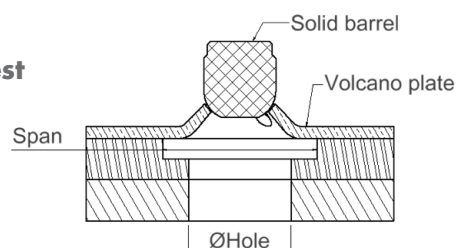
Typical Plate Compression Test Results



Hole Test



Span Test



Technical Data – 70T JW10 Cable - Plate Compression Test

Plate Part No.	Volcano Hole Size	B&W Part No.	Push Through Load	
			BS 7861 hole test (good ground condition)	Span test (weak ground condition)
JV30301256GS	56 mm	BW31MMD70	70 t	45 t
JV30301269GS	69 mm	BW31MMD90	50 t	40 t

Accessories

J-LOK Resin Capsule:

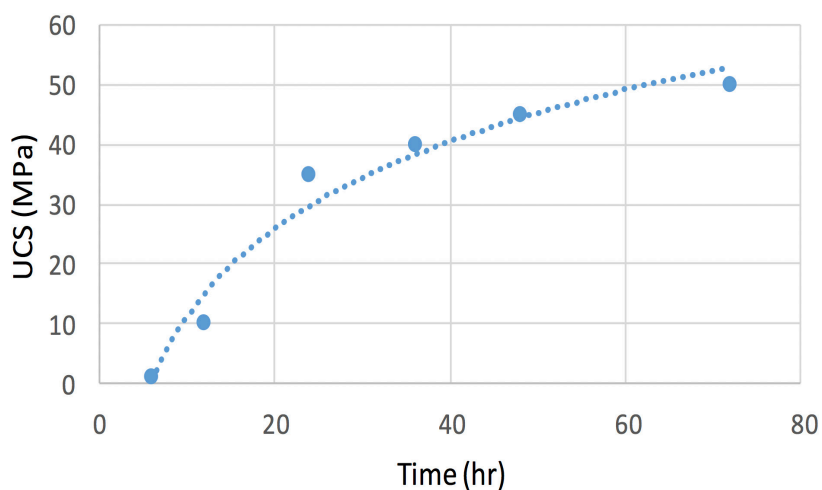
- Point anchored with J-LOK "Post-Grout" resin capsules, specifically designed for mixing in larger drill holes
- Typically 1000mm long capsule for 42mm drillholes and 1200mm long capsule for 45mm drillholes



Jennchem TD80 Grout:

- 80 MPa top-down cementitious based

TD80 Grout Early Strength Development



Technical Data – Uniaxial Compressive Strength (MPa)

Mixing Ratio	1 day	7 days	28 days
6 L/bag	43 MPa	77 MPa	89 MPa
7 L/bag	33 MPa	63 MPa	80 MPa



Head Office and Plant

40-44 Anzac Avenue
Smeaton Grange NSW 2567
Ph: +61 2 4648 7500
Fax: +61 2 4648 7555

Queensland Plant

48-50 Southgate Drive
Paget QLD 4740
Ph: +61 7 4952 8700
Fax: +61 7 4952 8777

Perth Plant

84 Furniss Rd
LANDSDALE WA 6065
Ph: +61 8 9408 9900
Fax: +61 8 9408 9999

WWW.JENNMAR.COM.AU



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