

Endurance Dyform 18/18PI

Product Benefits and Features

Superior strength

High-breaking-force rotation-resistant rope incorporating Dyform strands — confirmed by Bridon's Powercheck process for testing a sample from each production length.

Resistance to rotation

Good resistance to rotation — confirmed by Bridon's unique Twistcheck testing program.

Resistance to bend fatigue

Longer bend-fatigue life when compared with conventional multi-strand ropes — confirmed by laboratory testing and extensive field experience.

Resistance to crushing

Excellent resistance to crushing and abrasion due to the rope's compact design and the Dyform strands — recommended when multi-layer spooling is involved.

Reduced elongation

Increased steel content and the Dyform process minimize elongation.

Reduced sheave wear

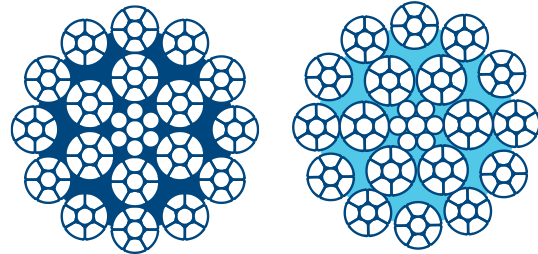
Smooth outer Dyform surface decreases the amount of sheave wear.

Long service life

Exceptional performance means less down time and more work time.

Optional plastic coating of IWRC

IWRC coating extends fatigue life, improves structural stability, and resists corrosion.



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3/8" - 5/8"	18x7	WSC - Dyform Strands
3/4" - 1 1/4"	18x19	WSC - Dyform Strands
1 3/8" - 1 1/2"	18x26	WSC - Dyform Strands

PI signifies full plastic coating of the steel core.

Lay Type		Lay Direction		Finish		Grade n/mm ²
Regular	Lang	Right hand	Left hand	Bright	Galv	Dyform
•		•		•		•

Available as standard.

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Diameter	Approx mass WSC		Min breaking force	
			Rope grade	
			Dyform	
in	lb/ft	kg/ft	tons	kN
3/8	0.31	0.14	8.30	73.90
7/16	0.42	0.19	11.20	99.70
1/2	0.55	0.24	14.60	129.90
9/16	0.70	0.31	19.20	170.90
5/8	0.86	0.38	22.70	202.00
3/4	1.24	0.55	32.40	288.40
7/8	1.69	0.75	43.80	389.80
1	2.21	0.98	57.50	511.60
1 1/8	2.79	1.23	71.50	636.40
1 1/4	3.45	1.52	87.90	782.30
1 3/8	4.17	1.84	106.00	943.90
1 1/2	4.97	2.19	125.00	1112.50

NOTE: All sizes have been Powerchecked. Metric rope diameters on request. Check www.bridon.com or call customer service for more information.