

## 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

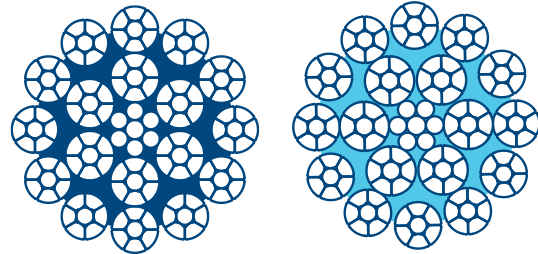
Smooth outer Dyform surface decreases the amount of sheave wear.

#### 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.



### Endurance 18/18PI

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 <sup>2</sup>
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](http://www.bridon.com) or call customer service for more information.