

## Endurance **DYFORM**® 18/18PI

- **High strength** Rotation Resistant rope incorporating Dyform strands - confirmed by Bridon's "Powercheck" testing of a sample from each production length.
- **Good resistance to rotation** - confirmed by Bridon's unique "Twistcheck" type testing program.
- **Superior bending fatigue life** when compared with conventional multistrand ropes - confirmed by laboratory testing and extensive field experience.
- **Excellent resistance to crushing and abrasion** resulting from the overall compactness and robustness of the rope and the Dyform strands - recommended when multi-layer spooling is involved.
- **Reduced elongation** results from increased steel content and the Dyform process.
- **Optional plastic coating of IWRC** to further extend fatigue life, improve structural stability and resistance to corrosion.

Available as standard:-

Lay Type		Lay Direction		Finish		Grade n/mm <sup>2</sup>
Regular	Lang	Right Hand	Left Hand	Bright	Galv	Dyform
•		•		•	•	•

Table of sizes, mass and minimum breaking force -  
**Endurance® Dyform 18/18PI**

Diameter		Approx mass WSC		Minimum breaking force	
				Rope grade	
				Dyform	
in	mm	lb/ft	kg/ft	tons	kN
3/8		0.31	0.14	8.3	73.9
	10	0.34	0.15	9.5	84.3
	11	0.41	0.19	11.8	105.0
7/16		0.42	0.19	11.2	99.7
	12	0.49	0.22	13.6	121.0
1/2		0.55	0.24	14.6	129.9
	13	0.58	0.26	16.5	147.0
	14	1.00	0.44	18.8	167.0
9/16 5/8		0.70	0.31	19.2	170.9
		0.86	0.38	22.7	202.0
	16	0.88	0.40	24.6	219.0
3/4	18	1.11	0.50	31.2	278.0
	19	1.23	0.56	34.2	304.0
		1.24	0.55	32.4	288.4
7/8	20	1.37	0.62	37.7	335.0
	22	1.66	0.75	45.5	405.0
		1.69	0.75	43.8	389.8



**Endurance®  
18/18PI**

3/8"-5/8" 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.

	24	1.97	0.89	54.2	482.0
1		2.21	0.98	57.5	511.6
	26	2.31	1.05	64.3	572.0
	28	2.68	1.22	74.4	662.0
1 1/8		2.79	1.23	71.5	636.4
1 1/4		3.45	1.52	87.9	782.3
	32	3.50	1.59	96.6	859.0
1 3/8		4.17	1.84	106.0	943.9
1 1/2		4.97	2.19	125.0	1112.5

NOTE: all sizes Powerchecked