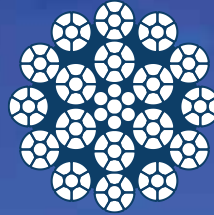




BRIDON

Endurance Dyform 18



Benefits:

- High breaking force
- Rotation resistant
- Reduced sheave wear
- Long service life
- Reduced downtime

High Performance Crane Ropes

The Bridon Endurance brand - High quality performance wire ropes for the lifting industry.

Our world leading manufacturing capabilities are accompanied by a high level of quality assurance and in-house expertise in research and development and design engineering.

Applications

Telescopic mobile cranes

Mobile lattice boom cranes

Tower cranes

Offshore pedestal cranes

Dockside cranes

Mobile harbour cranes

Ship cranes

Overhead hoists/gantry cranes



ENDURANCE DYFORM 18



Endurance Dyform 18

Diameter		Nominal length mass		Minimum Breaking Force			Axial stiffness @20% load	Torque generated @20% load		Metallic cross section
				Dyform				Ordinary	Lang's	
mm	inch	kg/m	lb/ft	kN	Tons (short)	Tons (metric)	MN	Nm	Nm	mm ²
	3/8	0.454	0.305	76.6	8.61	7.81	4.82	4.42	6.46	50.6
10.0		0.500	0.336	84.4	9.49	8.61	5.31	5.11	7.48	55.8
11.0		0.605	0.407	104	11.7	10.6	6.43	6.80	9.97	67.5
	7/16	0.617	0.415	104	11.7	10.6	6.56	7.01	10.3	68.9
12.0		0.720	0.484	122	13.7	12.4	7.65	8.83	13.0	80.3
	1/2	0.806	0.542	136	15.3	13.9	8.56	10.5	15.4	90.0
13.0		0.845	0.568	143	16.1	14.6	8.97	11.2	16.5	94.3
14.0		0.980	0.659	165	18.5	16.8	10.4	14.0	20.6	109
	9/16	1.02	0.686	172	19.3	17.5	10.8	14.9	21.9	114
15.0		1.13	0.756	190	21.4	19.4	11.9	17.2	25.4	126
	5/8	1.26	0.847	216	24.3	22.0	13.4	20.4	30.1	141
16.0		1.28	0.860	216	24.3	22.0	13.6	20.9	30.8	143
17.0		1.45	0.971	244	27.4	24.9	15.3	25.1	37.0	161
18.0		1.62	1.09	274	30.8	27.9	17.2	29.8	43.9	181
19.0		1.81	1.21	306	34.4	31.2	19.2	35.3	52.1	201
	3/4	1.81	1.22	306	34.4	31.2	19.3	35.3	52.1	202
20.0		2.00	1.34	337	37.9	34.4	21.2	40.8	60.3	223
21.0		2.21	1.48	372	41.8	37.9	23.4	47.3	69.9	246
22.0		2.42	1.63	416	46.8	42.4	25.7	54.4	80.3	270
	7/8	2.47	1.66	416	46.8	42.4	26.2	56.0	82.8	276
23.0		2.65	1.78	446	50.1	45.5	28.1	62.1	91.8	295
24.0		2.88	1.94	486	54.6	49.6	30.6	70.6	104	321
25.0		3.13	2.10	527	59.2	53.7	33.2	79.8	118	349
	1	3.23	2.17	544	61.1	55.5	34.3	83.6	124	360
26.0		3.38	2.27	570	64.1	58.1	35.9	89.7	133	377
27.0		3.65	2.45	615	69.1	62.7	38.7	100	149	407
28.0		3.92	2.63	661	74.3	67.4	41.6	112	166	437
	1 1/8	4.08	2.74	688	77.3	70.2	43.4	119	176	455
29.0		4.21	2.83	709	79.7	72.3	44.7	124	184	469
30.0		4.50	3.02	759	85.3	77.4	47.8	138	204	502
	1 1/4	5.04	3.39	863	97.0	88.0	53.5	163	242	562
32.0		5.12	3.44	863	97.0	88.0	54.4	167	248	571
34.0		5.78	3.88	975	110	99.4	61.4	201	297	645
	1 3/8	6.10	4.10	1030	116	105	64.8	217	322	680
36.0		6.48	4.35	1090	123	111	68.8	238	353	723
38.0		7.22	4.85	1210	136	123	76.7	280	415	805
	1 1/2	7.26	4.88	1210	136	123	77.1	282	419	810

This table is for guidance purposes only with no guarantee or warranty (express or implied) as to its accuracy. The products described may be subject to change without notice, and should not be relied on without further advice from Bridon. For general notes please refer to page 10 of the General Guidance brochure.