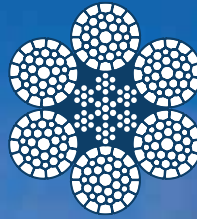




# BRIDON

## Endurance Dyform 6



### Benefits:

- Exceptional service life
- Robust crush resistant Dyform construction
- Accurate diameter recommended for multi-layer spooling
- Long life, reduced lifetime costs



### 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

- Floating cranes
- Ship cranes
- Ship to shore container cranes
- Bulk unloader cranes
- Overhead hoists/gantry cranes
- Steel works ladle cranes
- Piling ropes
- Container handling cranes

ENDURANCE DYFORM® 6



# Endurance Dyform 6

Diameter		Nominal length mass		Minimum Breaking Force						Axial stiffness @20% load	Torque generated @20% load		Metallic cross section
				EIP/1960			EEIP/2160				Ordinary	Lang's	
mm	inch	kg/m	lb/ft	kN	Tons (short)	Tons (metric)	kN	Tons (short)	Tons (metric)	MN	Nm	Nm	mm <sup>2</sup>
	5/16	0.289	0.194	55.2	6.20	5.63	57.5	6.46	5.86	3.43	5.66	9.00	33.2
8.00		0.294	0.197	55.2	6.20	5.63	57.5	6.46	5.86	3.49	5.79	9.22	33.7
9.00		0.372	0.250	69.9	7.86	7.13	72.8	8.18	7.42	4.41	8.25	13.1	42.7
	3/8	0.416	0.280	78.2	8.79	7.97	81.5	9.16	8.31	4.94	9.79	15.6	47.8
10.0		0.459	0.308	86.2	9.69	8.79	89.9	10.1	9.17	5.45	11.3	18.0	52.7
11.0		0.555	0.373	106	11.9	10.8	109	12.3	11.1	6.59	15.1	24.0	63.7
	7/16	0.567	0.381	106	11.9	10.8	109	12.3	11.1	6.73	15.6	24.7	65.0
12.0		0.661	0.444	124	13.9	12.6	129	14.5	13.2	7.84	19.6	31.1	75.9
	1/2	0.740	0.497	136	15.3	13.9	145	16.3	14.8	8.79	23.2	36.9	85.0
13.0		0.776	0.521	142	16.0	14.5	152	17.1	15.5	9.21	24.9	39.5	89.0
14.0		0.900	0.605	165	18.5	16.8	176	19.8	17.9	10.7	31.1	49.4	103
	9/16	0.937	0.630	172	19.3	17.5	183	20.6	18.7	11.1	33.1	52.5	108
15.0		1.03	0.694	190	21.4	19.4	202	22.7	20.6	12.3	38.3	60.8	119
	5/8	1.16	0.777	212	23.8	21.6	230	25.9	23.5	13.7	45.4	72.0	133
16.0		1.18	0.790	212	23.8	21.6	230	25.9	23.5	13.9	46.5	73.7	135
17.0		1.33	0.891	239	26.9	24.4	260	29.2	26.5	15.7	55.8	88.4	152
18.0		1.49	1.00	268	30.1	27.3	291	32.7	29.7	17.6	66.3	105	171
19.0		1.66	1.11	299	33.6	30.5	324	36.4	33.0	19.7	77.9	123	190
	3/4	1.67	1.12	299	33.6	30.5	324	36.4	33.0	19.8	78.6	124	191
20.0		1.84	1.23	331	37.2	33.8	359	40.4	36.6	21.8	90.9	144	211
22.0		2.22	1.49	401	45.1	40.9	435	48.9	44.4	26.4	121	192	255
	7/8	2.27	1.52	401	45.1	40.9	435	48.9	44.4	26.9	125	198	260
24.0		2.64	1.78	477	53.6	48.6	518	58.2	52.8	31.4	157	249	303
	1	2.96	1.99	534	60.0	54.5	580	65.2	59.1	35.1	186	295	340
26.0		3.10	2.09	560	62.9	57.1	607	68.2	61.9	36.8	200	316	356
28.0		3.60	2.42	649	73.0	66.2	704	79.1	71.8	42.7	250	395	413
	1 1/8	3.75	2.52	676	76.0	68.9	734	82.5	74.8	44.5	265	420	430
30.0		4.13	2.78	745	83.7	76.0	809	90.9	82.5	49.0	307	486	474
	1 1/4	4.63	3.11	848	95.3	86.5	920	103	93.8	54.9	364	576	531
32.0		4.70	3.16	848	95.3	86.5	920	103	93.8	55.8	373	590	539
34.0		5.31	3.57	957	108	97.6	1040	117	106	63.0	447	707	609
	1 3/8	5.60	3.76	1010	114	103	1100	124	112	66.4	485	767	643
36.0		5.95	4.00	1070	120	109	1160	130	118	70.6	531	840	683
38.0		6.63	4.45	1200	135	122	1300	146	133	78.7	625	988	761
	1 1/2	6.66	4.48	1200	135	122	1300	146	133	79.1	629	996	765
40.0		7.34	4.93	1320	148	135	1440	162	147	87.2	728	1150	843
	1 5/8	7.82	5.25	1410	158	144				92.8	800	1270	897
42.0		8.10	5.44	1460	164	149				96.1	843	1330	929
44.0		8.89	5.97	1600	180	163				105	970	1530	1020
	1 3/4	9.07	6.09	1600	180	163				108	1000	1580	1040
46.0		9.71	6.53	1750	197	178				115	1110	1750	1110
	1 7/8	10.4	7.00	1910	215	195				124	1230	1940	1190
48.0		10.6	7.11	1910	215	195				125	1260	1990	1210
50.0		11.5	7.71	2070	233	211				136	1420	2250	1320

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.