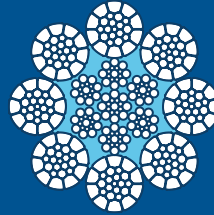




BRIDON

Endurance Dyform 8 PI



Benefits:

- High breaking force
- Excellent service life
- Reduced downtime
- Flexible eight strand construction
- High temperature lubricant available
- Consistent performance
- Reduced lifetime costs
- Plastic encapsulated core
- Reduced stretch
- Recommended for multi-layer spooling

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

Overhead hoists/gantry cranes

Steel works ladle cranes

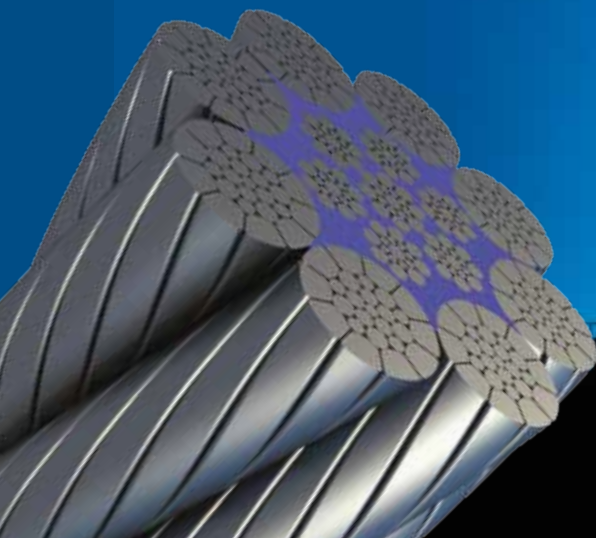
Piling ropes

Container handling cranes

Ship lift ropes



ENDURANCE DYFORM 8 PI



Endurance Dyform 8 PI

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 ²
	3/8	0.427	0.287	86.2	9.69	8.79				4.83	10.6	13.8	48.5
10.0		0.471	0.316	89.2	10.00	9.10				5.32	12.3	15.9	53.4
11.0		0.570	0.383	110	12.4	11.2				6.44	16.4	21.2	64.6
	7/16	0.582	0.391	110	12.4	11.2				6.57	16.9	21.9	65.9
12.0		0.678	0.456	128	14.4	13.1				7.66	21.3	27.5	76.9
	1/2	0.760	0.510	144	16.2	14.7				8.58	25.3	32.6	86.1
13.0		0.796	0.535	150	16.9	15.3				8.99	27.1	35.0	90.3
14.0		0.923	0.620	174	19.6	17.7				10.4	33.8	43.7	105
	9/16	0.961	0.646	181	20.3	18.5				10.9	36.0	46.4	109
15.0		1.06	0.712	198	22.3	20.2				12.0	41.6	53.7	120
	5/8	1.19	0.798	226	25.4	23.0	236	26.5	24.1	13.4	49.4	63.7	135
16.0		1.21	0.810	226	25.4	23.0	236	26.5	24.1	13.6	50.6	65.2	137
17.0		1.36	0.915	255	28.7	26.0	267	30.0	27.2	15.4	60.7	78.2	154
18.0		1.53	1.03	286	32.1	29.2	299	33.6	30.5	17.2	72.0	92.8	173
19.0		1.70	1.14	318	35.7	32.4	333	37.4	34.0	19.2	84.7	109	193
	3/4	1.71	1.15	318	35.7	32.4	333	37.4	34.0	19.3	85.4	110	194
20.0		1.88	1.27	353	39.7	36.0	369	41.5	37.6	21.3	98.8	127	214
22.0		2.28	1.53	427	48.0	43.5	446	50.1	45.5	25.8	132	169	258
	7/8	2.33	1.56	427	48.0	43.5	446	50.1	45.5	26.3	136	175	264
24.0		2.71	1.82	508	57.1	51.8	531	59.7	54.1	30.7	171	220	308
	1	3.04	2.04	569	64.0	58.0	595	66.9	60.7	34.3	203	261	345
26.0		3.18	2.14	596	67.0	60.8	623	70.0	63.5	36.0	217	280	361
28.0		3.69	2.48	691	77.7	70.5	723	81.3	73.7	41.7	271	349	419
	1 1/8	3.85	2.58	720	80.9	73.4	753	84.6	76.8	43.5	289	371	436
30.0		4.24	2.85	794	89.2	81.0	830	93.3	84.6	47.9	334	430	481
	1 1/4	4.75	3.19	903	102	92.1	944	106	96.3	53.6	396	509	538
32.0		4.82	3.24	903	102	92.1	944	106	96.3	54.5	405	521	547
34.0		5.44	3.66	1020	115	104	1070	120	109	61.5	486	625	617
	1 3/8	5.75	3.86	1080	121	110	1130	127	115	64.9	527	678	651
36.0		6.10	4.10	1140	128	116	1200	135	122	69.0	577	742	692
38.0		6.80	4.57	1270	143	130	1330	149	136	76.8	679	873	771
	1 1/2	6.84	4.59	1270	143	130	1330	149	136	77.3	684	880	775
40.0		7.54	5.06	1410	158	144	1480	166	151	85.2	792	1020	854
	1 5/8	8.02	5.39	1500	169	153	1570	176	160	90.7	870	1120	910
42.0		8.31	5.58	1560	175	159	1630	183	166	93.9	917	1180	942
44.0		9.12	6.13	1710	192	174	1790	201	183	103	1050	1360	1030
	1 3/4	9.31	6.25	1710	192	174	1790	201	183	105	1090	1400	1060
46.0		9.97	6.70	1870	210	191	1950	219	199	113	1210	1550	1130
	1 7/8	10.7	7.18	2030	228	207	2130	239	217	121	1340	1720	1210
48.0		10.9	7.29	2030	228	207	2130	239	217	123	1370	1760	1230
50.0		11.8	7.91	2210	248	225	2310	260	236	133	1550	1990	1340

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.