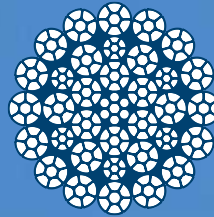




BRIDON

Endurance Dyform 34LR Galvanized



Benefits:

- Low rotation
- Recommended for high lifting operations
- High breaking force
- Reduced rope sheave wear
- Accurate diameter, recommended for multi-layer spooling
- Suitable for single part and multi-part reeving
- Long service life
- Crush resistant
- Reduced down time
- Resistance to bending fatigue
- Reduced elongation

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

Overhead hoists/gantry cranes

Piling ropes



ENDURANCE DYFORM 34LR (GALVANIZED)



Endurance Dyform 34LR (Galvanized)

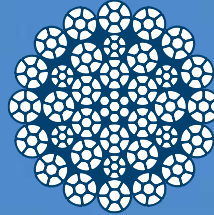
Diameter		Nominal length mass		Minimum Breaking Force						Axial stiffness @20% load	Torque generated @20% load		Metallic cross section
				EIP/1960			EEIP/2160				Ordinary	Lang's	
mm	inch	kg/m	lb/ft	kN	Tons (short)	Tons (metric)	kN	Tons (short)	Tons (metric)	MN	Nm	Nm	mm ²
10.0	3/8	0.454	0.305	83.6	9.39	8.52	88.1	9.90	8.98	5.26	1.21	2.77	52.7
11.0	7/16	0.500	0.336	92.1	10.3	9.39	97.1	10.9	9.90	5.80	1.40	3.20	58.1
11.0		0.610	0.410	111	12.4	11.3	117	13.1	11.9	7.02	1.86	4.26	70.3
12.0	1/2	0.610	0.410	111	12.4	11.3	117	13.1	11.9	7.16	1.92	4.39	71.7
12.0		0.720	0.484	133	14.9	13.5	139	15.6	14.1	8.35	2.42	5.53	83.7
13.0	9/16	0.808	0.543	149	16.7	15.1	156	17.5	15.9	9.35	2.87	6.56	93.7
13.0		0.850	0.571	156	17.5	15.9	164	18.4	16.7	9.80	3.08	7.03	98.2
14.0	5/8	0.980	0.659	181	20.3	18.4	190	21.3	19.3	11.4	3.84	8.78	114
14.0		1.02	0.687	188	21.1	19.1	198	22.2	20.1	11.8	4.08	9.33	119
15.0	3/4	1.13	0.759	207	23.2	21.1	218	24.5	22.2	13.1	4.73	10.8	131
15.0		1.28	0.860	236	26.5	24.0	244	27.4	24.8	14.6	5.60	12.8	146
16.0	7/8	1.28	0.860	236	26.5	24.0	248	27.8	25.2	14.8	5.73	13.1	149
17.0		1.45	0.974	266	29.8	27.1	280	31.4	28.5	16.8	6.88	15.7	168
18.0	1.0	1.62	1.09	298	33.4	30.3	314	35.2	32.0	18.8	8.17	18.7	188
19.0		1.81	1.22	333	37.4	33.9	350	39.3	35.6	20.9	9.60	22.0	210
20.0	1.1	1.81	1.22	333	37.4	33.9	350	39.3	35.6	21.0	9.68	22.1	211
20.0		2.00	1.34	368	41.3	37.5	388	43.6	39.5	23.2	11.2	25.6	232
21.0	1.2	2.21	1.49	406	45.6	41.4	428	48.1	43.6	25.6	13.0	29.6	256
21.0		2.42	1.63	446	50.1	45.4	469	52.7	47.8	28.1	14.9	34.1	281
22.0	1.3	2.42	1.63	446	50.1	45.4	469	52.7	47.8	28.6	15.4	35.1	287
23.0		2.65	1.78	487	54.7	49.6	513	57.6	52.3	30.7	17.0	38.9	307
24.0	1.4	2.88	1.94	531	59.6	54.1	559	62.8	57.0	33.4	19.4	44.2	335
25.0		3.13	2.10	576	64.7	58.7	606	68.1	61.7	36.3	21.9	50.0	363
26.0	1.5	3.23	2.17	594	66.7	60.5	626	70.3	63.8	37.4	22.9	52.4	375
26.0		3.38	2.27	623	70.0	63.5	656	73.7	66.8	39.2	24.6	56.2	393
27.0	1.6	3.65	2.45	672	75.5	68.5	707	79.4	72.0	42.3	27.6	63.0	424
28.0		3.92	2.63	722	81.1	73.6	760	85.4	77.4	45.5	30.7	70.3	456
29.0	1.7	4.09	2.75	752	84.5	76.6	792	89.0	80.7	47.4	32.7	74.7	474
29.0		4.21	2.83	775	87.1	79.0	816	91.7	83.2	48.8	34.1	78.1	489
30.0	1.8	4.50	3.02	829	93.1	84.5	873	98.1	89.0	52.2	37.8	86.4	523
30.0		5.12	3.44	943	105	96.1	978	109	99.7	58.5	44.8	102	586
32.0	1.9	5.12	3.44	943	105	96.1	993	111	101	59.4	45.9	105	595
34.0		5.78	3.88	1060	119	108				67.0	55.0	126	672
35.0	2.0	6.11	4.10	1120	125	114				70.7	59.6	136	709
35.0		6.13	4.12	1120	125	114				71.1	60.0	137	712
36.0	2.1	6.48	4.35	1190	133	121				75.2	65.3	149	753
38.0		7.22	4.85	1330	149	135				83.8	76.8	176	839
40.0	2.2	7.27	4.88	1330	149	135				84.2	77.4	177	843
40.0		8.00	5.38	1470	165	149				92.8	89.6	205	930
42.0	2.3	8.53	5.73	1560	175	159				98.8	98.4	225	990
42.0		8.82	5.93	1620	182	165				102	104	237	1020
44.0	2.4	9.68	6.50	1780	200	181				112	119	273	1120
44.0		9.89	6.65	1780	200	181				115	123	281	1150
46.0	2.5	10.6	7.12	1940	218	197				123	136	311	1230
46.0		11.4	7.63	2110	237	215				132	151	346	1320
48.0	2.6	11.5	7.73	2110	237	215				134	155	354	1340
50.0		12.5	8.40	2290	257	233				145	175	400	1450
52.0	2.7	12.9	8.68	2370	266	241				150	184	420	1500
52.0		13.5	9.07	2480	278	252				157	197	450	1570
54.0	2.8	14.6	9.80	2670	300	272				169	220	503	1690
54.0		14.6	9.81	2670	300	272				169	220	504	1690
56.0	2.9	15.7	10.5	2880	323	293				182	246	562	1820
56.0		16.4	11.0	3000	337	305				189	261	597	1900
58.0	3.0	16.8	11.3	3090	347	315				195	273	624	1950
60.0		18.0	12.1	3250	365	331				209	302	691	2090
62.0	3.1	18.2	12.2	3250	365	331				211	307	703	2110
62.0		19.2	12.9	3470	390	353				223	334	763	2230
64.0	3.2	20.2	13.6	3690	414	376				234	358	819	2340
64.0		20.5	13.8	3690	414	376				238	367	839	2380
66.0	3.3	21.8	14.6	3930	441	400				253	403	920	2530
66.0		22.3	15.0	3930	441	400				258	415	949	2580
68.0	3.4	23.1	15.5	4030	452	410				268	440	1010	2690
70.0		24.4	16.4	4270	479	435				283	477	1090	2830
72.0	3.5	24.5	16.5	4270	479	435				284	480	1100	2850
72.0		25.9	17.4	4520	508	460				301	523	1190	3010
74.0	3.6	26.7	17.9	4650	522	474				309	545	1250	3100
74.0		27.4	18.4	4770	536	486				318	567	1300	3180
76.0	3.7	28.9	19.4	5040	566	513				335	615	1400	3360
76.0		29.1	19.5	5040	566	513				337	619	1420	3370

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.



BRIDON

Endurance Dyform 34LR Bright



Benefits:

- Low rotation
- Recommended for high lifting operations
- High breaking force
- Reduced rope sheave wear
- Accurate diameter, recommended for multi-layer spooling
- Suitable for single part and multi-part reeving
- Long service life
- Crush resistant
- Reduced down time
- Resistance to bending fatigue
- Reduced elongation

High Performance Crane Ropes

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Dockside cranes

Mobile harbour cranes

Floating cranes

Ship cranes

Overhead hoists/gantry cranes

Piling ropes



ENDURANCE DYFORM 34LR (BRIGHT)



Endurance Dyform 34LR (Bright)

Diameter		Nominal length mass		Minimum Breaking Force					
				EIP/1960			EEIP/2160		
mm	inch	kg/m	lb/ft	kN	Tons (short)	Tons (metric)	kN	Tons (short)	Tons (metric)
	3/8	0.454	0.305	83.6	9.40	8.52	88.1	9.9	8.98
10.0		0.500	0.336	92.1	10.4	9.39	98.3	11.0	10.0
11.0		0.610	0.410	111	12.5	11.3	119	13.4	12.1
	7/16	0.610	0.410	111	12.5	11.3	119	13.4	12.1
12.0		0.720	0.484	133	14.9	13.6	140	15.7	14.3
	1/2	0.808	0.543	149	16.7	15.2	155	17.4	15.8
13.0		0.850	0.571	156	17.5	15.9	162	18.2	16.5
14.0		0.980	0.659	181	20.3	18.5	191	21.5	19.5
	9/16	1.02	0.687	188	21.1	19.2	201	22.6	20.5
15.0		1.13	0.759	207	23.3	21.1	220	24.7	22.4
	5/8	1.28	0.860	236	26.5	24.1	251	28.2	25.6
16.0		1.28	0.860	236	26.5	24.1	251	28.2	25.6
17.0		1.45	0.974	266	29.9	27.1	282	31.7	28.7
18.0		1.62	1.09	298	33.5	30.4	319	35.9	32.5
19.0		1.81	1.22	333	37.4	34.0	356	40.0	36.3
	3/4	1.81	1.22	333	37.4	34.0	356	40.0	36.3
20.0		2.00	1.34	368	41.4	37.5	397	44.6	40.5
21.0		2.21	1.49	406	45.6	41.4	429	48.2	43.8
22.0		2.42	1.63	446	50.1	45.5	487	54.7	49.7
	7/8	2.42	1.63	446	50.1	45.5	487	54.7	49.7
23.0		2.65	1.78	487	54.7	49.7	514	57.8	52.4
24.0		2.88	1.94	531	59.7	54.1	569	64.0	58.0
25.0		3.13	2.10	576	64.7	58.7	607	68.2	61.9
	1	3.23	2.17	594	66.8	60.6	623	70.0	63.5
26.0		3.38	2.27	623	70.0	63.5	660	74.2	67.3
27.0		3.65	2.45	672	75.5	68.5	707	79.5	72.1
28.0		3.92	2.63	722	81.2	73.6	758	85.2	77.3
	1 1/8	4.09	2.75	752	84.5	76.7	773	86.9	78.8
29.0		4.21	2.83	775	87.1	79.0	815	91.7	83.2
30.0		4.50	3.02	829	93.2	84.5	836	94.0	85.2
	1 1/4	5.12	3.44	943	106	96.2	980	110	100
32.0		5.12	3.44	943	106	96.2	980	110	100

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