

## Diepa Special Crane Ropes In Stock

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PRODUCT CODE	LAY	MINIMUM BREAKING GRADE	STRENGTH	PRODUCT CODE	LAY	MINIMUM BREAKING GRADE	STRENGTH
<b>D1200</b>				<b>S321</b>			
7mm	L/RHOL	1960N/mm	9306 pounds	6mm	L/RHOL	1960N/mm	6,564 pounds
9mm	RHOL	1960N/mm	15,399 pounds	7mm	L/RHOL	1960N/mm	8,925 pounds
10mm	RHOL	1960N/mm	19,018 pounds	8mm	L/RHOL	1960N/mm	9,824 pounds
1/2"	RHOL	1960N/mm	30,572 pounds	9mm	L/RHOL	1960N/mm	14,229 pounds
14mm	RHOL	1960N/mm	37,317 pounds	11mm	L/RHOL	1960N/mm	21,603 pounds
9/16"	RHOL	1960N/mm	38,890 pounds	<b>PZ371</b>			
5/8"	RHOL	1960N/mm	47,882 pounds	1/4"	RHOL	1960N/mm	7,149 pounds
3/4"	RHOL	1960N/mm	69,013 pounds	5/16"	RHOL	1960N/mm	12,500 pounds
7/8"	RHO	1960N/mm	93,966 pounds	3/8"	RHOL	1960N/mm	17,900 pounds
1"	RHOL	1960N/mm	122,741 pounds	10mm	RHOL	1770N/mm	17,939 pounds
<b>D1315CZ</b>				11mm	RHOL	1960N/mm	24,054 pounds
6mm	RHOL	1960N/mm	7441 pounds	12mm	RHOL	1960N/mm	28,744 pounds
8mm	RHLL	1960N/mm	13,218 pounds	1/2"	RHOL	1960N/mm	32,000 pounds
8mm	RHLL (Gal)	2160N/mm	14,207 pounds	9/16"	RHOL	1960N/mm	40,500 pounds
9mm	RHLL	1960N/mm	16,725 pounds	5/8"	RHOL	1960N/mm	50,000 pounds
9mm	RHLL	2160N/mm	17,984 pounds	3/4"	RHOL	1960N/mm	72,000 pounds
10mm	RHLL	1770N/mm	18,524 pounds	7/8"	RHOL	1960N/mm	98,100 pounds
10mm	RHLL	2160N/mm	22,168 pounds	1"	RHOL	1960N/mm	128,100 pounds
11mm	RHLL	1960N/mm	25,178 pounds	<b>SKZ8</b>			
11mm	RHLL	2160N/mm	26,976 pounds	6.5mm	RHOL(Gal-Plas)	2160N/mm	10,026 pounds
12mm	RHLL	2160N/mm	31,922 pounds	9mm	RHOL(Gal-Plas)	1960N/mm	17,422 pounds
13mm	L/RHLL	2160N/mm	37,766 pounds	10mm	RHOL / Plas	2160N/mm	23,829 pounds
14mm	RHLL	2160N/mm	43,611 pounds	11mm	RHOL	2160N/mm	28,744 pounds
14mm	RHLL(Gal)	2160N/mm	43,611 pounds	12mm	RHOL	1960N/mm	30,573 pounds
16mm	RHLL	2160N/mm	57,549 pounds	13mm	RHOL	1960N/mm	35,743 pounds
17mm	RHLL	1960N/mm	60,022 pounds	14mm	RHOL	1960N/mm	42,038 pounds
18mm	RHLL	2160N/mm	72,610 pounds	16mm	RHOL	2160N/mm	60,696 pounds
19mm	L/RHLL(Gal)	2160N/mm	80,478 pounds	18mm	RHOL	1960N/mm	69,913 pounds
20mm	RHLL	1960N/mm	83,401 pounds	19mm	RHOL	2160N/mm	84,750 pounds
21mm	LHLL	1960N/mm	92,617 pounds	20mm	RHOL	2160N/mm	94,641 pounds
21mm	RHLL	2160N/mm	99,362 pounds	22mm	RHOL	1960N/mm	105,431 pounds
22mm	RHLL	2160N/mm	109,028 pounds	24mm	RHOL	2160N/mm	136,229 pounds
23mm	RHLL	2160N/mm	118,694 pounds	25mm	RHOL	2160N/mm	146,794 pounds
24mm	RHLL	2160N/mm	128,810 pounds	28mm	RHOL	2160N/mm	184,786 pounds
25mm	RHLL	2160N/mm	137,353 pounds	<b>SUPER2 4</b>			
28mm	RHLL	2160N/mm	174,894 pounds	3/4"	RHOL	2160N/mm	81,827 pounds
34mm	RHLL	2160N/mm	255,373 pounds	7/8"	RHOL	2160N/mm	111,286 pounds
<b>B65</b>							
26mm	RHLL	2160N/mm	154,887 pounds				

Contact your Coordinated Companies representative and ask for the recommended Diepa crane rope for your particular needs. We have the right rope for virtually any application and would be happy to assist you in choosing a crane rope that will give you the most service for your money.



## 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.



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

Diameter		Approx mass WSC		Min 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	0.67	0.30	18.8	167.0
9/16		0.70	0.31	19.2	170.9
	5/8	0.86	0.38	22.7	202.0
	16	0.88	0.40	24.6	219.0
	18	1.11	0.50	31.2	278.0
	19	1.23	0.56	34.2	304.0
3/4		1.24	0.55	32.4	288.4
	20	1.37	0.62	37.7	335.0
	22	1.66	0.75	45.5	405.0
7/8		1.69	0.75	43.8	389.8
	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



## Endurance DYFORM® 6/6PI

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- **Strongest of all ropes** in the six strand product range - confirmed by Bridon's "Powercheck" testing of a sample from each production length.
- **Superior bending fatigue life** when compared with conventional six strand 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.



**Table of sizes, mass and minimum breaking force - Endurance Dyform® 6/6PI**

Diameter		Approx mass WSC		Min breaking force	
				Rope grade	
				Dyform	
in	mm	lb/ft	kg/ft	tons	kN
3/8		0.28	0.12	8.8	78.3
	10	0.32	0.14	9.6	85.3
7/16	11	0.39	0.18	11.0	98.1
		0.38	0.17	11.9	105.9
1/2	12	0.44	0.20	12.8	114.0
		0.50	0.22	15.3	136.2
9/16	13	0.54	0.24	16.5	147.0
	14	0.63	0.29	19.0	169.0
5/8		0.63	0.28	19.3	171.8
	16	0.79	0.36	24.4	217.0
3/4	18	1.03	0.47	30.9	275.0
	19	1.12	0.51	33.9	302.0
7/8		1.13	0.50	32.4	288.4
	20	1.22	0.55	37.4	333.0
1	22	1.46	0.66	44.7	398.0
		1.53	0.68	43.8	389.8
1 1/8	24	1.79	0.81	54.7	487.0
		2.00	0.88	57.5	511.8
1 1/4	26	2.10	0.95	64.7	576.0
	28	2.41	1.09	74.7	665.0
1 3/8		2.54	1.12	71.5	636.4
	32	3.13	1.38	87.9	782.3
1 1/2		3.15	1.43	94.9	844.0
	36	3.79	1.67	106.0	943.4
1 5/8		3.98	1.80	119.1	1060.0
		4.51	1.99	125.0	1112.5

NOTE: All sizes Powerchecked

## Endurance DYFORM® 8/8PI

- **High breaking force** - confirmed by Bridon's "Powercheck" testing of a sample from each production length.
- **Superior bending fatigue life** when compared with other conventional eight strand 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.

**Table of sizes, mass and minimum breaking force - Endurance Dyform® 8/8PI**

Diameter		Approx mass WSC		Min breaking force	
				Rope grade	
				Dyform	
in	mm	lb/ft	kg/ft	tons	kN
3/8		0.32	0.14	9.7	86.3
	10	0.30	0.14	9.8	87.3
7/16	11	0.38	0.17	11.8	105.0
	12	0.40	0.18	12.4	110.4
1/2		0.44	0.20	14.2	126.0
	13	0.51	0.23	16.2	143.7
9/16	14	0.52	0.23	16.5	147.0
	16	0.60	0.27	19.2	171.0
5/8		0.65	0.29	20.3	180.7
	18	0.80	0.35	25.0	222.5
3/4	19	0.78	0.35	25.2	224.0
	20	1.01	0.46	31.8	283.0
7/8	22	1.12	0.51	35.5	316.0
	24	1.16	0.51	36.0	320.4
1		1.24	0.56	39.3	350.0
	26	1.49	0.68	47.7	424.0
1 1/8	28	1.58	0.70	48.3	429.4
	32	1.78	0.81	56.8	505.0
1 1/4		2.05	0.91	62.8	558.5
	36	2.12	0.96	66.5	592.0
1 3/8	28	2.47	1.12	77.2	687.0
	32	2.60	1.15	79.0	703.1
1 1/2	36	3.22	1.42	98.0	872.2
	40	3.26	1.48	100.8	897.0
1 5/8		3.90	1.72	117.0	1041.3
	44	4.07	1.85	127.9	1138.0
1 3/4		4.62	2.04	138.0	1228.2
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NOTE: All sizes Powerchecked





## Constructex®

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- Nine Strand rope made up of three different strand constructions. Each outside strand manufactured with a soft plastic center.
- **High strength** - confirmed by Bridon's "Powercheck" testing of a sample.
- **Excellent resistance to crushing and wear** resulting from the overall compactness and robustness of the rope.
- **Flexible construction** with good fatigue life in most applications.

**Table of sizes, mass and minimum breaking force - Constructex®**

Diameter	Approx mass		Minimum breaking force	
	in	lb/ft	kg/ft	tons
5/8	0.9	0.39	25.5	226.9
3/4	1.1	0.50	36.5	324.7
7/8	1.5	0.68	48.5	431.5
1	2.0	0.91	62.5	556.0
1 1/8	2.6	1.18	79.5	707.3
1 1/4	3.2	1.45	97.6	868.3
1 3/8	3.8	1.72	119	1058.7
1 1/2	4.6	2.09	139	1236.7
1 5/8	5.3	2.41	162	1441.3
1 3/4	6.2	2.81	185	1645.9

NOTE: All sizes Powerchecked



## Spezialdrahtseile/Special Wire Ropes

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### The Special Characteristics of DIEPA Special Wire Ropes

- Only high quality wires are used. The tolerances of these wires are more restricted than those allowed under the standards for wires. Additionally, our suppliers are required to supply wires with higher values in torsion and bending.
- For ropes with plastic inserts, only that plastic material, which offers the best mechanical and performance capabilities, the polyamide, is selected. And from within the polyamide family only the best performing is used, namely the Polyamide 12.
- Together with a well known petrochemical company, a special lubricant was developed. This is especially effective against corrosion over a long period of time. The inner parts of the ropes, “the ropes critical area”, are thoroughly bathed with this special lubricant during their individual stranding.
- Self designed and constructed stranding machines, closing machines, and aggregates provide for highest stranding precision. A very extensive number of modern machinery is available. Therefore, every rope in each of the offered diameters is manufactured with the highest quality, in the most appropriate machine.
- The different constructions of Diepa Special Wire Ropes are specially designed for specific applications. Our many decades of experience allow us to recommend the most appropriate rope.
- Because of their special construction and solid structure, Diepa Special Wire Ropes are less affected by higher rope strain from the ropes reeving system, the inappropriate handling of rope, the installing of the rope, or during applications under critical conditions.

→ **Long rope life + High rope's safety throughout service life = Profitability**

Need  
CONNOLY  
Photo)

