



Estd. 1910

E. E. Karachiwala & Co.

43/45 Narayan Rao Koli Marg, Masjid Bunder Stn (W), Mumbai 400003.

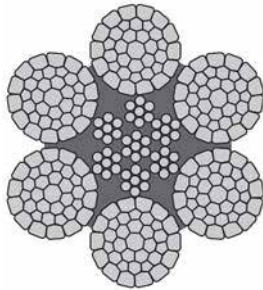
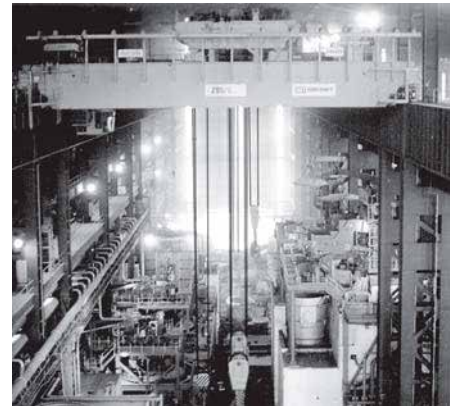
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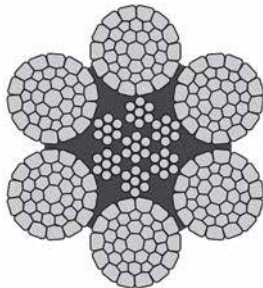


POWERFORM® 6/6P

- Powerform® 6 is a high strength rugged six strand rope ideal for situations where longer service life is required.
- A sample of rope from each production batch is tested to destruction in order to confirm compliance with catalogue breaking force values.
- Powerform® 6 can be substituted for any six strand construction to improve service life and reduce total cost.
- High fatigue life resulting from the unique compaction process.
- Maximum resistance to crushing. Recommended for multi-layer spooling operations.
- Increased abrasion resistance resulting from the unique compaction process.
- Fully lubricated in manufacturing.
- Optional plastic impregnation (P) signifies full plastic impregnation of the steel core.



Powerform® 6



Powerform® 6P

Standard Characteristics Powerform® 6/6P

Construction	6xK36SW(14-7+7-7-1)-CWR 6xK41SW(16+8+8-8-1)-CWR	
Compacted	Yes	No
	◆	
Tensile Grade N/mm ²	1770	1960
	◆	◆
Finish	Bright	Galvanised
	◆	◆
Lay Direction	Right Hand	Left Hand
	◆	◆
Lay Type	Ordinary	Langs
	◆	
Average Fill Factor (%)	67.5	
Turn value at 20% of breaking force degrees/rope lay	58	
Nominal rope lay length (NRD = Nominal Rope Diameter)	6.5 x NRD	
Discard Criteria	Refer to ISO 4309:1990	
Warning : Powerform® 6/6P in Langs lay must only be used in applications where both ends are secured and are unable to rotate.		





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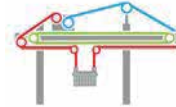
NOM. ROPE DIA. mm	NOM. ROPE DIA. in	APPROX. MASS kg/100m	MINIMUM BREAKING FORCE			
			GALVANISED & UNGALVANISED			
			ROPE GRADE			
			1770 N/mm ²		1960 N/mm ²	
			kN	tonnes	kN	tonnes
10		46.4	69.5	7.1	85.7	8.7
11		56.1	83.8	8.5	98.6	10.1
12		66.8	100.0	10.2	114.0	11.6
	1/2	74.8	113.0	11.5	140.0	14.3
13		78.4	118.0	12.0	147.0	15.0
14		90.9	137.0	14.0	170.0	17.3
15		104.0	157.0	16.0	195.0	19.9
16	5/8	119.0	178.0	18.1	218.0	22.2
17		134.0	201.0	20.5	246.0	25.1
18		150.0	225.0	22.9	276.0	28.1
19	3/4	168.0	251.0	25.6	304.0	31.0
20		186.0	278.0	28.3	335.0	34.1
22		225.0	336.0	34.3	400.0	40.8
	7/8	229.0	343.0	35.0	408.0	41.6
24		267.0	400.0	40.8	489.0	49.8
	1	299.0	449.0	45.8	552.0	56.3
26		314.0	470.0	47.9	578.0	58.9
28		364.0	545.0	55.6	657.0	67.0
30		418.0	626.0	63.8	757.0	77.2
32	1-1/4	475.0	712.0	72.6	846.0	86.2
34		518.0	804.0	82.0	916.0	93.4
36		581.0	901.0	91.8	1065.0	109.0
38	1-1/2	647.0	1004.0	102.0	1165.0	119.0
40		717.0	1112.0	113.0	1295.0	132.0
42		790.0	1226.0	125.0	1425.0	145.0
44		867.0	1246.0	127.0	1505.0	153.0
46		948.0	1362.0	139.0	1665.0	170.0
48		1032.0	1483.0	151.0	1885.0	192.0
50		1120.0	1609.0	164.0	1975.0	201.0
52		1211.0	1741.0	177.0	2135.0	218.0
54		1306.0	1877.0	191.0	2325.0	237.0
56		1405.0	2019.0	206.0	2475.0	252.0
58		1507.0	2166.0	221.0	2650.0	270.0
60		1613.0	2317.0	236.0	2810.0	286.0

* Mass per unit length of POWERFORM 6P increases by approx. 3%

- Note:
- Rope Sizes and Breaking Force not shown in the standard table, may be available on request and prior confirmation.
 - POWERFORM 6P is available only for 16 mm and above on special request and prior confirmation.

Typical Applications

CONTAINER



MAIN HOIST
BOOM HOIST
TROLLEY

LATTICE BOOM



MAIN HOIST +
BOOM HOIST

DOCKSIDE



BOOM HOIST

STEELWORKS LADLE



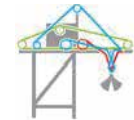
MAIN HOIST

OFFSHORE PEDESTAL



BOOM HOIST

UNLOADER



MAIN HOIST
BOOM HOIST
RACKING

BOOM HOIST ■
 MAIN HOIST ■
 RACKING/
 TROLLEY ■

* For higher lifting heights a rotation resistant rope should be selected.