

POWERFORM[®] 8/8P

High performance compacted ropes are ideal for duties where long service is required. Powerform 8/8P exhibits high fatigue life & increased abrasion resistance due to the unique compacting process it is put through. Due to its maximum crushing resistance, this rope is recommended for multi-layer spooling operations.

A sample of rope from each production batch is tested to destruction in order to confirm compliance with catalogued breaking force values. Optional plastic impregnation of the steel core (PI) signifies full plastic impregnation of the steel core.

Increased abrasion resistance

Maximum crushing resistance

High fatigue life

Greater surface contact area

Long rope life and reduced sheave wear



BRUNTON
WIRE ROPES
THE SPECIALIST



Constructions

8xK26SW, 8xK36SW

Core

Steel core (Optional
Plastic impregnation)

Range

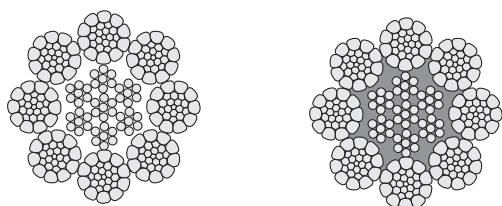
10mm - 52mm

Rope grade

1960 / 2160

MBF

87.8 - 2541 kN



Typical applications

Marine riser tensioner ▪ Subsea winches
Offshore cranes ▪ Floating cranes ▪ Mobile
harbour cranes ▪ Ship to shore cranes ▪ Bulk
unloader cranes ▪ Container handlers ▪ Ship
lift ▪ Ship derrick cranes ▪ Mobile cranes
Tower cranes ▪ Crawler cranes ▪ Foundation
works ▪ Overhead travelling cranes
Steelworks ladle cranes ▪ Steelworks blast
furnace skips ▪ Steel works cold rolling



NOM. ROPE DIA. mm	NOM. ROPE DIA. in	APPROX.* MASS kg/100m	MINIMUM BREAKING FORCE			
			GALVANISED & UNGALVANISED			
			ROPE GRADE			
			1960 N/mm ²		2160 N/mm ²	
			kN	tonnes	kN	tonnes
10		43.5	72.9	7.4	81.4	8.3
11		52.6	86.1	8.8	96.5	9.8
12		62.6	105	10.7	117.0	11.9
	1/2	70.2	123	12.5	131.0	13.4
13		73.5	124	12.6	138.0	14.1
14		85.3	143	14.6	160.0	16.3
15		97.9	164	16.7	183.0	18.7
16	5/8	111.0	187	19.1	208.0	21.2
17		126.0	211	21.5	239.0	24.4
18		141.0	239	24.4	267.0	27.2
19	3/4	157.0	269	27.4	300.0	30.6
20		174.0	295	30.1	331.0	33.7
22		211.0	356	36.3	400.0	40.8
	7/8	215.0	360	36.7	402.0	41.0
24		251.0	423	43.1	475.0	48.4
	1	281.0	470	47.9	525.0	53.5
26		297.0	500	51.0	562.0	57.3
28		345.0	572	58.3	642.0	65.4
	1 1/8	359.0	596	60.8	665.0	67.8
30		396.0	656	66.9	733.0	74.7
32	1 1/4	451.0	747	76.1	836.0	85.2
34		509.0	843	85.9	945.0	96.3
36		570.0	935	95.3	1053.0	107.0
38	1 1/2	635.0	1043	106.0	1172.0	119.0
40		704.0	1162	118.0	1313.0	134.0
42		785.0	1305	133.0	1462.0	149.0
44		862.0	1412	144.0	1577.0	161.0
	1 3/4	879.0	1441	147.0	1613.0	164.0
46		942.0	1543	157.0	1731.0	176.0
48		1025.0	1680	171.0	1885.0	192.0
50		1113.0	1833	187.0	2065.0	210.0
	2	1148.0	1882	192.0	2101.0	214.0
52		1203.0	1972	201.0	2202.0	224.0

* Mass per unit length of POWERFORM 8P increases by 3%

Note: • Rope Sizes and Breaking Force not shown in the standard table, may be available on request and prior confirmation.
• POWERFORM 8P is available for rope diameter 16 mm and above on special request and prior confirmation.



Get in touch with us

Write to us at contact@bsme.uae

To send us a detailed enquiry

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