

# POWERFORM® 8/8P

- Powerform® 8P is a high strength eight strand rope plastic impregnated ideal for situations where longer service life is required.
- 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.
- Greater surface contact area resulting from the eight strand construction and compacted finish give longer rope life and reduced sheave wear.
- Fully lubricated in manufacturing.
- Optional plastic impregnation of the steel core. (P) signifies full plastic impregnation of the steel core.

Standard Characteristics Powerform® 8/8P		
Compacted	Yes	No
	■	
Grade	1960	2160
	■	
Finish	Bright	Galvanised
	■	■
Lay Direction	Right Hand	Left Hand
	■	■
Lay Type	Ordinary	Langs
	■	
Nominal Fill Factor	0.655	
Turn value at 20% of Breaking force degrees/ '6.5d'	94	
Discard Criteria	Refer to ISO 4309:2019	

Warning : Powerform • 8/8P in Langs lay must only be used in applications where both ends are secured and are unable to rotate.



NOMINAL ROPE DIAMETER		APPROX. MASS	MINIMUM BREAKING FORCE			
			GALVANISED & UNGALVANISED			
		ROPE GRADE				
		1960		2160		
mm	in	kg/100m	kN	tonnes	kN	tonnes
10		46.0	87.8	9.0	94	9.6
11		55.7	106	10.8	114	11.6
12		66.2	126	12.8	135	13.8
	1/2	74.2	142	14.5	152	15.5
13		77.7	148	15.1	159	16.2
14		90.2	172	17.5	184	18.8
15		104	198	20.2	211	21.5
16	5/8	118	225	22.9	241	24.6
17		133	254	25.9	272	27.7
18		149	284	29.0	304	31.0
19	3/4	166	317	32.3	339	34.6
20		184	351	35.8	376	38.3
22		223	425	43.3	455	46.4
	7/8	227	434	44.2	464	47.3
24		265	506	51.6	541	55.1
	1	297	567	57.8	606	61.8
26		318	594	60.6	635	64.7
28		368	688	70.1	737	75.1
	1-1/8	384	717	73.1	767	78.2
30		423	790	80.5	846	86.2
32	1-1/4	481	899	91.6	960	97.9
34		543	1013	103	1083	110
36		609	1138	116	1218	124
38	1-1/2	679	1268	129	1357	138
40		752	1405	143	1503	153
42		847	1535	156	1651	168
44		929	1700	173	1819	185
	1-3/4	948	1735	177	1856	189
46		1016	1858	189	1985	202
48		1106	2023	206	2162	220
50		1200	2200	224	2349	239
	2	1239	2266	231	2425	247
52		1298	2374	242	2541	259

\* 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.