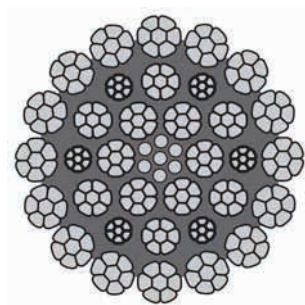




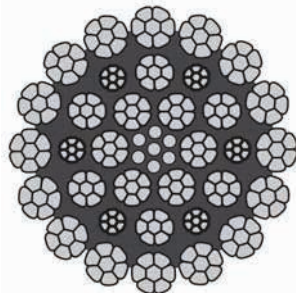
Estd. 1910

POWERFORM® 35/35P

- Powerform® 35/35P has the highest strength of all low rotation hoist ropes.
- A sample of rope from each production batch is tested to destruction in order to confirm compliance with catalogue breaking force values.
- Maximum resistance to rotation.
- Suitable for use on single part and multi-part hoist reeving systems.
- High fatigue life resulting from the unique compaction process.
- Increased resistance to crushing. Recommended for multi-layer spooling operations.
- Increased abrasion resistance resulting from the unique compaction process.
- Optional plastic impregnation. (P) signifies full plastic impregnation of the Steel Core.
- Fully lubricated in manufacturing.



Powerform® 35



Powerform® 35P

Standard Characteristics Powerform® 35/35P

Construction	10mm-40mm	35xK7(16xK7:6xK7+6xK7-6xK7-1x7)	
	42mm-60mm	35xK19S(16xK19S:6xK19S+6xK19S-6xK19S-1x19S)	
Compacted	Yes	Yes	No
	◆		
Tensile Grade N/mm ²	1960	1960	2160
	◆	◆	◆
Finish	Bright	Bright	Galvanised
	◆	◆	◆
Lay Direction	Right Hand	Right Hand	Left Hand
	◆		
Lay Type	Ordinary	Ordinary	Langs
			◆
Average Fill Factor (%)	74.5		
Turn value at 20% of breaking force degrees/rope lay	0.2		
Nominal rope lay length (NRD = Nominal Rope Diameter)	6.0 x NRD		
Discard Criteria	Refer to ISO 4309:1990		





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Estd. 1910

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
	1/2	81.1	148	15.1	160	16.3
13		85.0	155	15.8	167	17.0
14		98.6	180	18.3	192	19.6
16	5/8	129	233	23.8	252	25.7
18		163	300	30.6	321	32.7
19	3/4	182	331	33.7	358	36.
20		201	372	37.9	399	40.7
21		222	402	41.0	434	44.2
22		243	444	45.3	484	49.3
	7/8	249	453	46.2	490	49.9
24		290	531	54.1	572	58.3
	1	325	591	60.2	640	65.2
26		340	621	63.3	661	67.4
28		394	720	73.4	788	80.3
	1-1/8	411	748	76.2	810	82.6
30		453	827	84.3	904	92.2
32	1-1/4	515	944	96.2	1035	106.0
35	1-3/8	616	1125	115.0	1216	124.0
36		652	1185	121.0	1286	131.0
38	1-1/2	726	1326	135.0	1437	146.0
40		805	1477	151.0	1588	162.0
42		887	1485	151.0		
44		974	1618	165.0		
	1-3/4	994	1646	168.0		
46		1064	1765	180.0		
48		1159	1935	197.0		
50		1258	2078	212.0		
	2	1298	2150	219.0		
52		1360	2256	230.0		

* Mass per unit length of POWERFORM 35P increases by approx. 3%

- Note:
- POWERFORM 35P is available on special request and prior confirmation.
 - Rope Sizes and Breaking Force not shown in the standard table, may be available on request and prior confirmation.

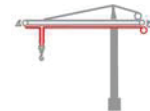
Typical Applications

MOBILE



MAIN HOIST

TOWER



MAIN HOIST

LATTICE BOOM



MAIN HOIST

DOCKSIDE



MAIN HOIST

OFFSHORE PEDESTAL



MAIN HOIST
WHIP HOIST

MAIN HOIST ■
WHIP HOIST ■