

Tolerance on Diameter: EN: (0; +5%);
 Design: (+1%; +4%)
 Filling factor (f): 34xK7=0,707; 37xK7=0,717
 Spinning Factor (k): 1960 N/mm² = 0,830; 2160 N/mm² = 0,810
 Modulus of elasticity: E = 120000 N/mm² (± 5000 N/mm²)
 Torque factor = 0.009

Non Rotating High Performance - Steel Wire Ropes

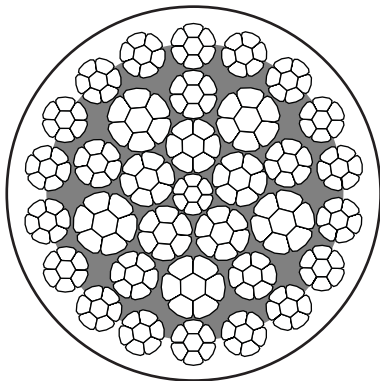
	Diameter		Cross Section mm ²	Weight Kg/m	MBL kN	
	mm	inch			1960 N/mm ²	2160 N/mm ²
18 Outer Strands						
34 (W)xK7	13	1/2	94	0.81	156	164
	14	9/16	109	0.94	182	191
	15		124	1.07	207	217
	16	5/8	143	1.24	239	250
	17		160	1.39	267	280
	18		178	1.54	297	311
	19	3/4	198	1.71	330	347
	20		220	1.90	367	385
	21		247	2.14	412	432
	22	7/8	267	2.31	446	467
	23		295	2.55	492	516
	24		320	2.77	534	560
	25	1	353	3.06	581	617
	26		379	3.27	632	663
37 (W)xK7	27		407	3.52	679	712
	28	1 1/8	436	3.77	728	763
	30		507	4.38	846	887
	32	1 1/4	575	4.97	959	1006
	34	1 3/8	647	5.59	1079	1132
	36		732	6.33	1221	1281
	38	1 1/2	811	7.01	1352	1418
	40		896	7.75	1495	1568
	42	1 5/8	997	8.62	1664	1745
	44	1 3/4	1090	9.43	1819	1907
	46		1196	10.34	1996	2093
	48	1 7/8	1301	11.26	2171	2277
50.8	2	1443	12.47	2407	2524	
52		1528	13.21	2549	2673	

Plastic Protected Impregnated Core

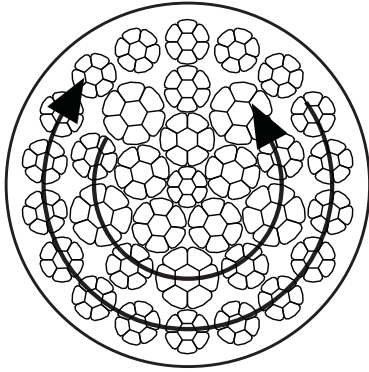
- Improves the structural stability
- Encapsulates the lubricant of the core
- Protects the core from corrosion

Resulting in:

- A longer service life
- Keeping its non rotational properties in the most severe conditions
- Internal rope protection against corrosive environment
- Favouring outer maintenance
- Recommended for all marine and submarine applications and all environmental severe conditions



This rope can be used with a swivel and can work with a single fall



NR = Non Rotating

- Non rotating Construction
- Compacted strands
- Lang's lay flexible hoist rope
- Galvanized wires
- Fully lubricated (internal and external)
- Extremely high Breaking Load

Main Properties:

Non-rotational: The design of this rope generates its special geometrical assembly resulting in an optimal non-rotating property.

Safety: The construction of this rope is designed to avoid cross nickings between the inner strands (core: Warrington construction). This protects the rope of internal deterioration. Outer broken wires will become first evident. (Visual inspection).

Applications:

All cranes and performance lifting devices where non-rotating and high MBL ropes are required.

Option PPI: Recommended for offshore, deck cranes and marine environment.