



Steel Wire Rope 19x7 (Semi-rotation resistant)

Product information



Main applications: Main- and auxiliary hoist line on mobile- and truck cranes. Often used as a single point line. Large lifting heights will require a tag line to prevent excessive spinning of the load. Smaller sizes (< 3/8") are sometimes used on overhead cranes. NOT recommended for construction tower cranes.

Rope characteristic: Using the rope to its maximum fatigue life will cause the rope to deteriorate from the inside out. Sudden rope failures may be the result. For this reason we do not recommend this construction for tower cranes. There have been fatal and catastrophic accidents involving this rope construction because of undetected inner rope fatigue.

Rope construction: 19x7 (Semi-rotation resistant rope)

Marking: According to standard

Standard: EN 12385-4

RCN: 23-1

Rope Diameter, mm	Steel area mm ²	Min. Breaking force kN. 1960 N/mm ²	Min. Breaking force kN. 2160 N/mm ²	Finish	Inch "	Weight kg/100m
3	3.9	5.77	-	Galvanized	-	3.6
3.7	5.74	-	10.78	Galvanized	-	5.7
4	6.93	10.2	-	Galvanized	-	8
4.5	9.6	-	14.35	Galvanized	-	9.1
5	11.8	16.02	17.69	Galvanized	-	10.8
6	17	23.09	25.51	Galvanized	-	14.5
6.7	21.2	23.09	31.79	Galvanized	-	18
7	23.1	31.5	-	Galvanized	-	19.7
7.5	26.5	36.15	-	Galvanized	-	22.6
8	30.2	41.09	51.8	Galvanized	5/16	25.7
9	38.2	52.09	-	Galvanized	-	32.5
10	47.2	64.3	80.9	Galvanized	-	40.1
10.5	52	70.88	78.09	Galvanized	-	44.2
11	57.1	77.8	-	Galvanized	7/16	48.5
12	67.9	92.59	116.5	Galvanized	-	57.8
13	79.7	109	136.69	Galvanized	1/2	67.8
14	92.6	126	158.23	Galvanized	-	78.6
14.5	99.2	135.19	-	Galvanized	-	84.3
16	120.8	165	207.4	Galvanized	5/8	102.7
18	152.9	208	218.59	Galvanized	-	130