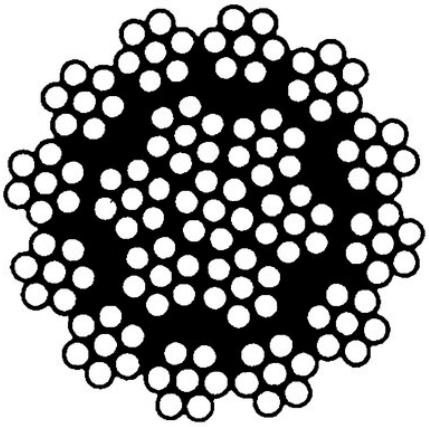
Lifting Solutions Group
Axel Johnson International

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 it’s 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.

... *Read more*

Rope construction: 19x7 (Semi-rotation resistant rope)
Marking: According to standard
Standard: EN 12385-4

RCN: 23-1

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Technical data

Rope diameter mm	Rope lay	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Weight kg/100m
3	sZ	1,960	Galvanized	sZ	5.77	3.9	3.6
3	sZ	2,160	Galvanized	sZ	-	3.9	3.6
3.7	sZ	2,160	Galvanized	sZ	10.78	5.74	5.7
3.7	sZ	1,960	Galvanized	sZ	-	5.74	5.7
4	sZ	1,960	Galvanized	sZ	10.2	6.93	8
4	sZ	2,160	Galvanized	sZ	-	6.93	8
4.5	sZ	2,160	Galvanized	sZ	14.35	9.6	9.1
4.5	sZ	1,960	Galvanized	sZ	-	9.6	9.1
5	sZ	1,960	Galvanized	sZ	16.02	11.8	10.8
5	sZ	2,160	Galvanized	sZ	17.69	11.8	10.8
6	sZ	1,960	Galvanized	sZ	23.09	17	14.5
6	sZ	2,160	Galvanized	sZ	25.51	17	14.5
6.7	sZ	1,960	Galvanized	sZ	23.09	21.2	18
6.7	sZ	2,160	Galvanized	sZ	31.79	21.2	18
7	sZ	1,960	Galvanized	sZ	31.5	23.1	19.7
7	sZ	2,160	Galvanized	sZ	-	23.1	19.7
7.5	sZ	1,960	Galvanized	sZ	36.15	26.5	22.6
7.5	sZ	2,160	Galvanized	sZ	-	26.5	22.6
8	sZ	1,960	Galvanized	sZ	41.09	30.2	25.7
8	sZ	2,160	Galvanized	sZ	51.8	30.2	25.7
9	sZ	1,960	Galvanized	sZ	52.09	38.2	32.5
9	sZ	2,160	Galvanized	sZ	-	38.2	32.5
10	sZ	1,960	Galvanized	sZ	64.3	47.2	40.1
10	sZ	2,160	Galvanized	sZ	80.9	47.2	40.1
10.5	sZ	1,960	Galvanized	sZ	70.88	52	44.2
10.5	sZ	2,160	Galvanized	sZ	78.09	52	44.2
11	sZ	1,960	Galvanized	sZ	77.8	57.1	48.5
11	sZ	2,160	Galvanized	sZ	-	57.1	48.5
12	sZ	1,960	Galvanized	sZ	92.59	67.9	57.8
12	sZ	2,160	Galvanized	sZ	116.5	67.9	57.8
13	sZ	1,960	Galvanized	sZ	109	79.7	67.8

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Rope diameter mm	Rope lay	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Weight kg/100m
13	sZ	2,160	Galvanized	sZ	136.69	79.7	67.8
14	sZ	1,960	Galvanized	sZ	126	92.6	78.6
14	sZ	2,160	Galvanized	sZ	158.23	92.6	78.6
14.5	sZ	1,960	Galvanized	sZ	135.19	99.2	84.3
14.5	sZ	2,160	Galvanized	sZ	-	99.2	84.3
16	sZ	1,960	Galvanized	sZ	165	120.8	102.7
16	sZ	2,160	Galvanized	sZ	207.4	120.8	102.7
18	sZ	1,960	Galvanized	sZ	208	152.9	130
18	sZ	2,160	Galvanized	sZ	218.59	152.9	130

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