

**PRODUCT INFORMATION**

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**STEEL ROPE**

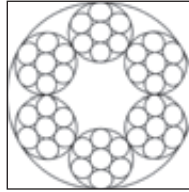
# Standard type ropes

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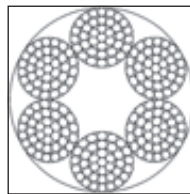
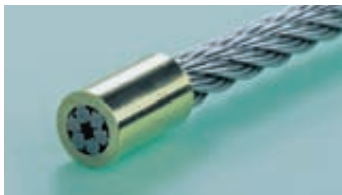
### 6x7 FC

Round strand rope with fibre core

Nominal Rope Diameter	Rope Weight	Minimum Breaking Force at tensile grade 1770N/mm <sup>2</sup> (180kp/mm <sup>2</sup> )	
		kN	kgf
mm	~ kg/m		
2	0,014	2,35	240
3	0,031	5,29	540
4	0,055	9,40	959
5	0,086	14,7	1500
6	0,124	21,2	2160
7	0,169	28,8	2940
8	0,220	37,6	3840
9	0,279	47,6	4860
10	0,345	58,8	6000



**Handy...**  
Light, flexible, strong, versatile.  
Suitable for normal applications where no special properties are required.



### 6x37M FC

Round strand rope with fibre core

Nominal Rope Diameter	Rope Weight	Minimum Breaking Force at tensile grade 1770N/mm <sup>2</sup> (180kp/mm <sup>2</sup> )	
		kN	kgf
mm	~ kg/m		
6	0,125	18,8	1920
7	0,170	25,6	2610
8	0,221	33,4	3410
9	0,280	42,3	4310
10	0,346	52,2	5320
11	0,419	63,2	6450
12	0,498	75,2	7670
13	0,585	88,2	9000
14	0,678	102	10400
16	0,886	134	13700
18	1,12	169	17200
20	1,38	209	21300

### Regular...

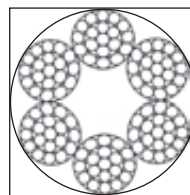
- Material: Drawn galvanized steel wire
- Lubrication: Neutral acid-free inside and outside
- Type/direction of lay: Ordinary lay sZ
- Tensile grade: 1770N/mm<sup>2</sup>

Other requirements? By arrangement we can supply:  
No or special galvanization, different type/direction of lay, special lubrication. Also for higher tensile grades (1960 with 10.7%, and 2160 with 22.0% higher breaking force in relation to 1770).

### 6x19M FC

Round strand rope with fibre core

Nominal Rope Diameter	Rope Weight	Minimum Breaking Force at tensile grade 1770N/mm <sup>2</sup> (180kp/mm <sup>2</sup> )	
		kN	kgf
mm	~ kg/m		
3	0,031	4,89	499
4	0,055	8,69	886
5	0,087	13,6	1390
6	0,125	19,6	2000
7	0,170	26,6	2710
8	0,221	34,8	3550
9	0,280	44,0	4490
10	0,346	54,3	5540
11	0,419	65,8	6710
12	0,498	78,2	7980



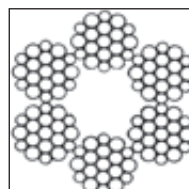
The rope weight is defined as the approximate calculated length mass kg/m (informative). The rope grade is the acronym for the nominal tensile strength of the wires in N/mm<sup>2</sup>. The permitted limit deviation of the rope diameter from nominal diameter is +8-0% for 2 to <4mm, +7-0% for 4 to <6mm, +6-0% for 6 to <8mm and +5-0% for 8mm and more.

## 6x19 FC

Parallel lay round strand rope with fibre core

**Staunch supporter...**  
Larger wire diameter means:  
Better corrosion protection and wear resistance. Long service life for applications with low bending strain. Particularly robust with steel core.

Nominal Rope Diameter	Rope Weight	Minimum Breaking Force at tensile grade			
		1770N/mm <sup>2</sup> (180kgf/mm <sup>2</sup> )		1960N/mm <sup>2</sup> (200kgf/mm <sup>2</sup> )	
mm	~ kg/m	kN	kgf	kN	kgf
10	0,359	58,4	5960	64,7	6600
11	0,434	70,7	7210	78,3	7990
12	0,517	84,1	8580	93,1	9500
13	0,607	98,7	10100	109	11100
14	0,704	114	11600	127	13000
15	0,808	131	13400	146	14900
16	0,919	150	15300	166	16900
17	1,04	169	17200	187	19100
18	1,16	189	19300	210	21400
19	1,30	211	21500	233	23800
20	1,44	234	23900	259	26400
22	1,74	283	28900	313	31900
24	2,07	336	34300	373	38000
26	2,43	395	40300	437	44600
28	2,81	458	46700	507	51700



## Rules and standards...

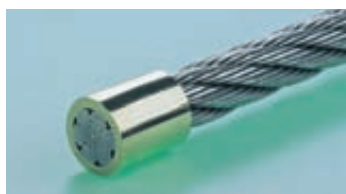
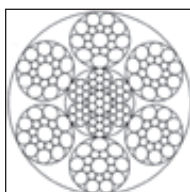
Even if not explicitly indicated: Compliance with standards (ISO, EN, DIN) and statutory provisions. Product specifications continually updated to meet requirements

## Regular...

- Material: Drawn galvanized steel wire
  - Lubrication: Neutral acid-free inside and outside
  - Type/direction of lay: Ordinary lay sZ
  - Tensile grade: 1770N/mm<sup>2</sup>
- Other requirements? By arrangement we can supply: No or special galvanization, different type/direction of lay, special lubrication. Also for higher tensile grades (1960 with 10.7%, and 2160 with 22.0% higher breaking force in relation to 1770).

## 6x19 IWRC

Parallel lay round strand rope with steel core



Nominal Rope Diameter	Rope Weight	Minimum Breaking Force at tensile grade			
		1770N/mm <sup>2</sup> (180kgf/mm <sup>2</sup> )		1960N/mm <sup>2</sup> (200kgf/mm <sup>2</sup> )	
mm	~ kg/m	kN	kgf	kN	kgf
12	0,576	90,7	9250	100	10200
13	0,676	106	10800	118	12000
14	0,784	124	12600	137	14000
15	0,900	142	14500	157	16000
16	1,02	161	16400	179	18300
17	1,16	182	18600	202	20600
18	1,30	204	20800	226	23100
19	1,44	227	23200	252	25700
20	1,60	252	25700	279	28500
22	1,94	305	31100	338	34500
24	2,30	363	37000	402	41000
26	2,70	426	43500	472	48100
28	3,14	494	50400	547	55800
32	4,10	645	65800	715	72900
36	5,18	817	83300	904	92200
40	6,40	1010	103000	1120	114000