

Jiangsu Bright Industry
Your reliable specialist in innovative
steel wire rope and steel wire technology



Jiangsu Bright Industry Co.,Ltd.

Address: Hanjing Park, Nantong City, Jiangsu Province, China.

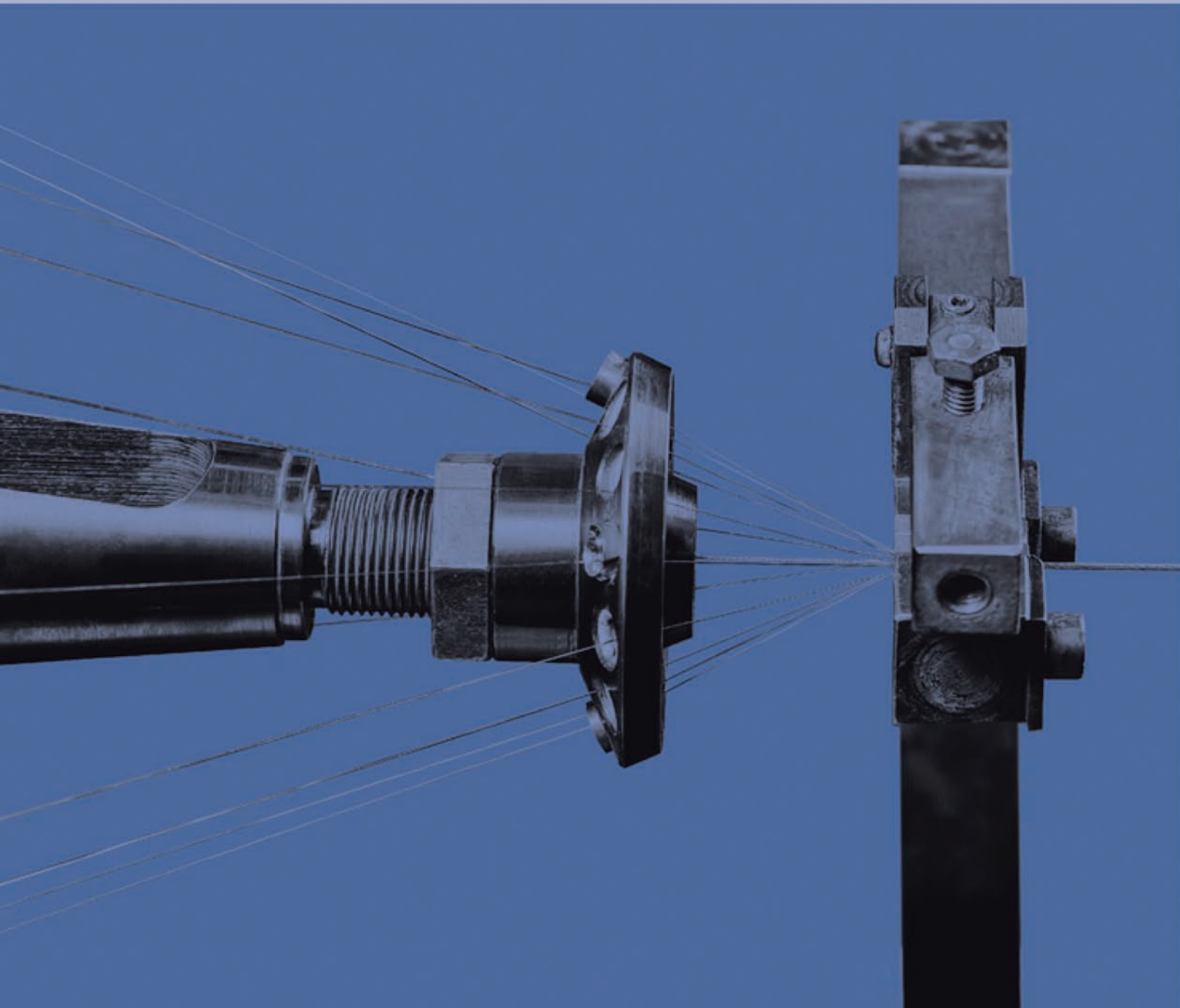
Website: www.brightsteelwire.com

Email: sales@brightsteelwire.com

Tel: 0086-15190940248

Fax: 0086-513-81912123

From ready-made wire ropes and steel wire to individual custom solutions - the extensive range of products and services from Jiangsu Bright leaves nothing to be desired. We are your reliable specialist in innovative wire rope and steel wire technology.



BRIEF OF INTRODUCTION



Our Company, Jiangsu Bright Industry, is a leading supply for wire ropes and steel wires. We draw on 15 years of experience in our field and, as a result, we have established an excellent international reputation for our stringent quality policy. "The sense of quality" is our mission, and we take these words very seriously at every stage of our production and service chain. Quality does not only mean making the products qualified. To us, guaranteeing quality also means to calculate the durability of a product in full operation.

Our main products are:

1. Steel Wire Ropes (From 1.0mm to 100mm).
2. Stainless Steel Wire Ropes (From 1.0mm to 50mm).
3. Steel Wire (From 0.1mm to 8mm).
4. Stainless Steel Wire (From 0.08mm to 9mm).

Looking forward to establishing successful business relationships with you!



一般知识

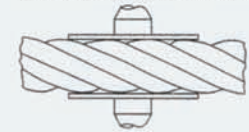
General Information

Diameter Of Wire Ropes

The diameter of a wire rope is the diameter of circle which encloses all of the wires. When measuring wire rope it is important to take the greatest distance of the outer limits of the Crowns' of two opposite strands. A measurement across the valleys will result in incorrect lower readings.

Method Of Measuring Diameter

Caliper, fitted with jaws broad enough to cover not less than two adjacent strands (see figure).



Safety Factor Of Rope

It is difficult to fix the safety factor for each type of wire rope to be used for various equipments, as this factor depends not only on the load carried, but also on the speed of rope working, the kinds of fitting used for rope ends, the acceleration and arrangements of sheave and drums etc. The following safety factors are minimum requirements for safety and economy in the common installation.

Rope Characteristics

This chart is purely an attempt to illustrate the relative characteristics of different constructions of wire rope as indicated in the text. No numerical scale is shown or intended.

TENSILE STRENGTH OF STEEL WIRE

Steel wire is made in various tensile strength to meet the different requirements of a particular job. For the production of our ropes, we use wire in the following tensile strength ranges:

1470 N/mm² (=150Kgf/mm²)
 1570 N/mm² (=160Kgf/mm²)
 1770 N/mm² (=180Kgf/mm²)
 1960 N/mm² (=200Kgf/mm²)
 2160 N/mm² (=220Kgf/mm²)

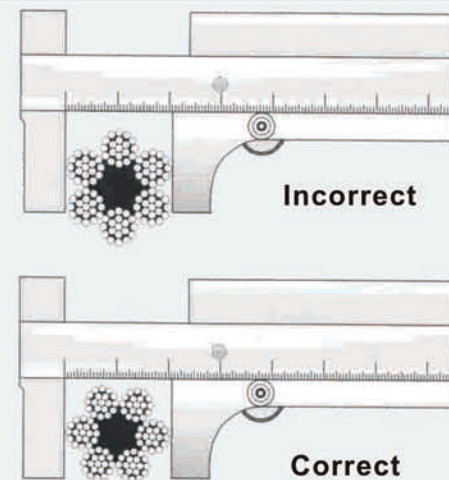
In the U.S.A. the various grades are designated as follows:

Traction Steel
 Plow Steel (PS)
 Improved Plow Steel (IPS)
 Extra Improved Plow Steel (EIPS)

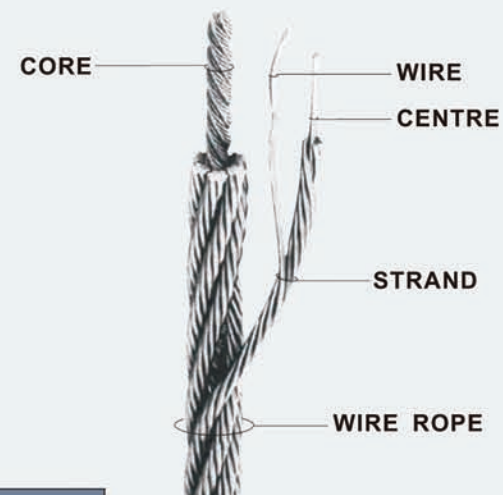
The most common grades is "Improved Plow Steel"
 Which comes nearest to our 1770 N/mm² (=180kgf/mm²) tensile strength.

TENSILE GRADES MANUFACTURING STANDARDS

ISO	METRIC	American
1960 N/mm ²	200 kgf/mm ²	Extra improved Plow Steel (EIPS)
1770 N/mm ²	180 kgf/mm ²	Improved Plow Steel (IPS)
1570 N/mm ²	160 kgf/mm ²	Plow Steel (PS)
1420 N/mm ²	145 kgf/mm ²	Traction Steel



Purpose	Min.S.F
Elevator	10
Crane, Hoist Derrick, Sling	6
Guy or Stay, Horizontal Pull or Traction	4
Main Wire of Aerial Rope Way	3



POPE CORES

Ropes are supplied either with fiber or steel core, the choice being largely dependent on the application.

Fiber Core

Fiber cores are mainly made from polypropylene. This material has the advantage that it neither absorbs nor retains moisture, and thus it eliminates conditions creating internal corrosion. Polypropylene core will have small variations in size and weight and are less susceptible to damage, especially under moist conditions.

The following precautions must be taken during use:

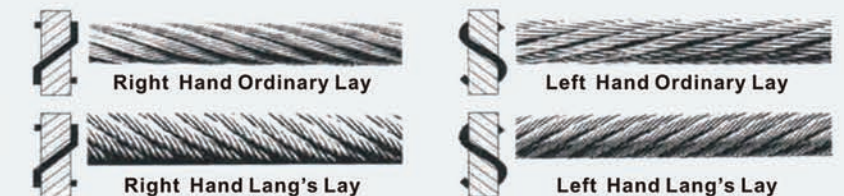
- Do not use fiber core ropes where these are exposed to high temperatures, i.e. above 90°C, this will damage the fiber core.
- The fiber core ropes should not be used when multi-layer winding is required as the fiber cores are susceptible to crushing.

Steel Core

The steel core is designated IWRC (Independent Wire Rope Core) and normal construction is 7 x 7. Steel core proves advantageous in severe working conditions involving a low factor of safety, small drums and sheaves, high operational speeds and wide fleet angles. Steel core tends to preserve the circular cross-section of the rope when it is crushed by over-winding on drums. It also prevents the strands from bridging (being forcibly against each other) which can result in fatigue failure of wires.

WIRE ROPE LAY

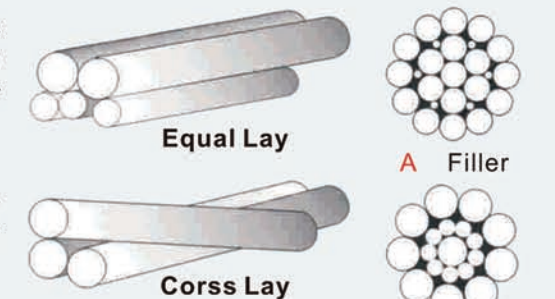
The direction of lay or rotation of the strands is normally right hand. But some machinery needs left hand lay.



STRAND

Components of the strand

A strand consists of a strand core and a layer or a number of layers of round wires. The round wires are laid helically around the strand core. The strand core consists either of a wire (core wire) or a number of wires or even fiber yarns.



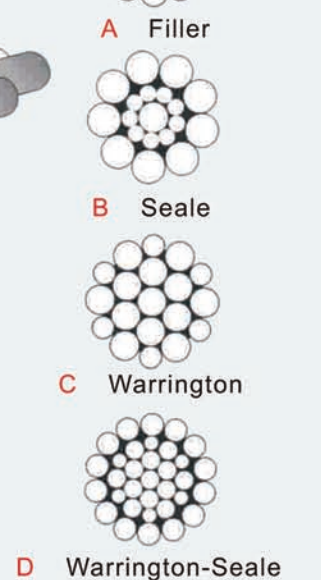
STRAND CONSTRUCTION

Two different types of laying the strand are Equal Lay and Cross Lay.

Strands with Equal Lay Wires

In these constructions the pitches of the various layers of wire are identical as stranding is carried out in a single operation, therefore, the contacts between wires are linear. Seale, Warrington and Filler strands belong to this construction. Wires of different diameters are required for these constructions.

As for example: Seale : 9+9+1
 Warrington : 6/6+6+1
 Filler : 12+6F+6+1



Strands with Equal Lay Wires

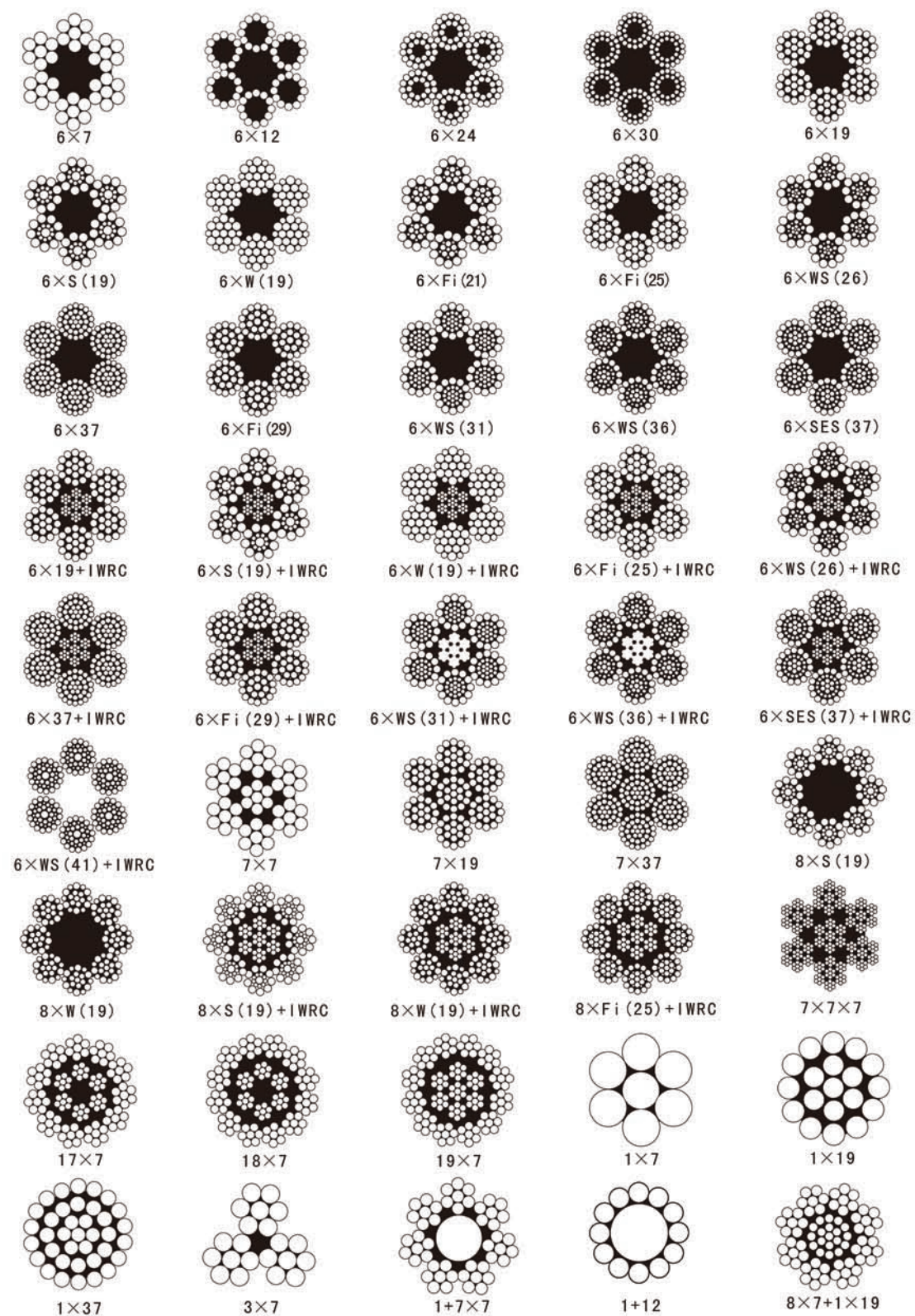
All the wires in this type of strand are of equal diameter and for geometrical reasons the number of wires decreases in each layer, starting from the outermost one, according to an arithmetical progression based on number (e.g. 16+10+3 or 18+12+6+1 or 12+6). In cross lay constructions each layer of wire is laid up a separate operation with a different length of lay, the result being the crossing of the various layers of wires. Consequently strong pressure occurs between the wires which may break, especially with variable with variable loads.



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剖面图

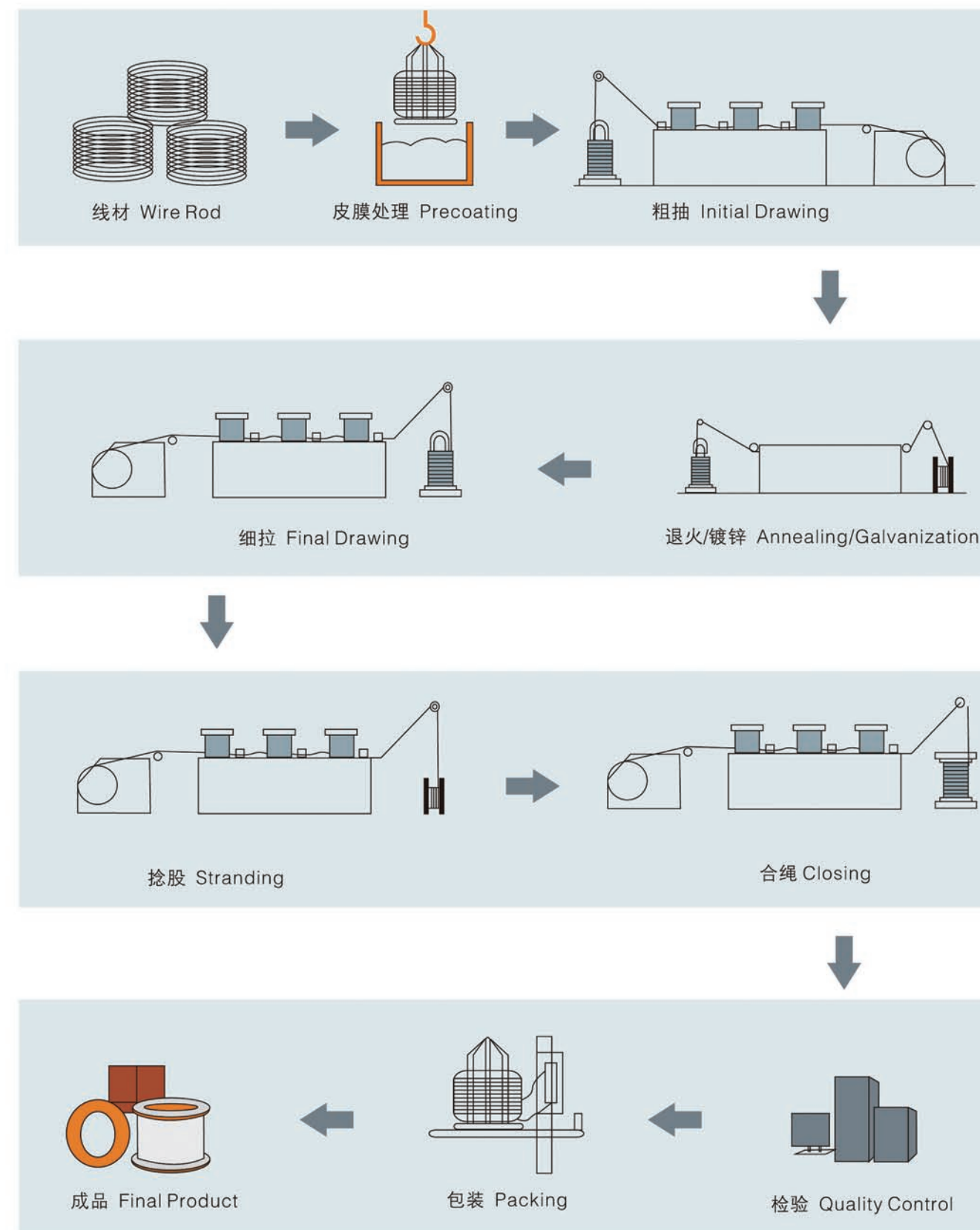
Cross Sections Of Wire Rope



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生产工艺流程

Production Procedure





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6x7 or 6x9W圆股钢丝绳(光面和镀锌)Steel Wire Rope (Ungalvanized and Galvanized)



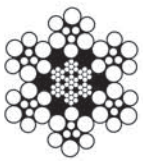
6x7+FC



6x7+IWS



6x9W+FC



6x9W+IWR

钢丝绳结构 (Construction): 6X7+FC 6X7+IWS 6X9W+FC 6X9W+IWR

Nominal Diameter 钢丝绳公称直径	Approx.Weight 钢丝绳近似重量			Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)									
				1570		1670		1770		1870		1960	
				Minimun Breaking Load of Rope 钢丝绳最小破断拉力									
D	NF 天然纤维 芯钢丝绳	SF 合成纤维 芯钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳
mm	kg/100m			(KN)									
2	1.40	1.38	1.55	2.08	2.25	2.22	2.40	2.35	2.54	2.48	2.69	2.60	2.81
3	3.16	3.10	3.48	4.69	5.07	4.99	5.40	5.29	5.72	5.59	6.04	5.86	6.33
4	5.62	5.50	6.19	8.34	9.02	8.87	9.59	9.40	10.2	9.93	10.7	10.4	11.3
5	8.78	8.60	9.68	13.0	14.1	13.9	15.0	14.7	15.9	15.5	16.8	16.3	17.6
6	12.6	12.4	13.9	18.8	20.3	20.0	21.6	21.2	22.9	22.4	24.2	23.4	25.3
7	17.2	16.9	19.0	25.5	27.6	27.2	29.4	28.8	31.1	30.4	32.9	31.9	34.5
8	22.5	22.0	24.8	33.4	36.1	35.5	38.4	37.6	40.7	39.7	43.0	41.7	45.0
9	28.4	27.9	31.3	42.2	45.7	44.9	48.6	47.6	51.5	50.3	54.4	52.7	57.0
10	35.1	34.4	38.7	52.1	56.4	55.4	60.0	58.8	63.5	62.1	67.1	65.1	70.4
11	42.5	41.6	46.8	63.1	68.2	67.1	72.5	71.1	76.9	75.1	81.2	78.7	85.1
12	50.5	49.5	55.7	75.1	81.2	79.8	86.3	84.6	91.5	89.4	96.7	93.7	101
13	59.3	58.1	65.4	88.1	95.3	93.7	101	99.3	107	105	113	110	119
14	68.8	67.4	75.9	102	110	109	118	115	125	122	132	128	138
16	89.9	88.1	99.1	133	144	142	153	150	163	159	172	167	180
17	101	99.4	112	151	163	160	173	170	184	179	194	188	203
18	114	112	125	169	183	180	194	190	206	201	218	211	228
20	140	138	155	209	225	222	240	235	254	248	269	260	281
22	170	167	187	252	273	268	290	284	308	300	325	315	341
24	202	198	223	300	325	319	345	338	366	358	387	375	405
26	237	233	262	352	381	375	405	397	430	420	454	440	476
28	275	270	303	409	442	435	470	461	498	487	526	510	552
30	316	310	348	469	507	499	540	529	572	559	604	586	633
32	359	352	396	534	577	568	614	602	651	636	687	666	721
34	406	398	447	603	652	641	693	679	735	718	776	752	813
36	455	446	502	676	730	719	777	762	824	805	870	843	912
38	507	497	559	753	814	801	866	849	918	896	969	940	1020
40	562	550	619	834	902	887	959	940	1020	993	1070	1040	1130
42	619	607	683	919	994	978	1060	1040	1120	1100	1180	1150	1240
44	680	666	749	1010	1090	1070	1160	1140	1230	1200	1300	1260	1360
46	743	728	819	1100	1190	1170	1270	1240	1340	1310	1420	1380	1490
48	809	793	892	1200	1300	1280	1380	1350	1460	1430	1550	1500	1620
50	878	860	968	1300	1410	1390	1500	1470	1590	1550	1680	1630	1760

Main Applications: Various cable carriage, rope and belt conveyer, ropeway drawing, slope winch, etc.
主要用途: 各种缆车, 钢丝绳皮带运输机, 索道牵引和斜井卷扬等

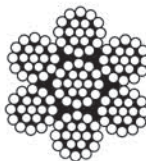


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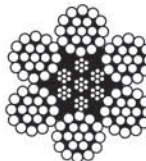
6x19圆股钢丝绳(光面和镀锌)Steel Wire Rope (Ungalvanized and Galvanized)



6x19+FC



6x19+IWS



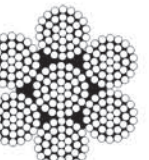
6x19+IWR

钢丝绳结构 (Construction): 6X7+FC 6X7+IWS 6X9W+FC 6X9W+IWR

Nominal Diameter 钢丝绳公称直径	Approx.Weight 钢丝绳近似重量			Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)									
				1570		1670		1770		1870		1960	
				Minimun Breaking Load of Rope 钢丝绳最小破断拉力									
D	NF 天然纤维 芯钢丝绳	SF 合成纤维 芯钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳
mm	kg/100m			(KN)									
3	3.16	3.10	3.60	4.34	4.69	4.61	4.99	4.89	5.29	5.17	5.59	5.42	5.86
4	5.62	5.50	6.40	7.71	8.34	8.20	8.87	8.69	9.40	9.19	9.93	9.63	10.4
5	8.78	8.60	10.0	12.0	13.0	12.8	13.9	13.6	14.7	14.4	15.5	15.0	16.3
6	12.6	12.4	14.4	17.4	18.8	18.5	20.0	19.6	21.2	20.7	22.4	21.7	23.4
7	17.2	16.9	19.6	23.6	25.5	25.1	27.2	26.6	28.8	28.1	30.4	29.5	31.9
8	22.5	22.0	25.6	30.8	33.4	32.8	35.5	34.8	37.6	36.7	39.7	38.5	41.7
9	28.4	27.9	32.4	39.0	42.2	41.5	44.9	44.0	47.6	46.5	50.3	48.7	52.7
10	35.1	34.4	40.0	48.2	52.1	51.3	55.4	54.3	58.8	57.4	62.1	60.2	65.1
11	42.5	41.6	48.4	58.3	63.1	62.0	67.1	65.8	71.1	69.5	75.1	72.8	78.7
12	50.5	49.5	57.6	69.4	75.1	73.8	79.8	78.2	84.6	82.7	89.4	86.7	93.7
13	59.3	58.1	67.6	81.5	88.1	86.6	93.7	91.8	99.3	97.0	105	102	110
14	68.8	67.4	78.4	94.5	102	101	109	107	115	113	122	118	128
15	79.0	77.4	90.0	108	117	115	125	122	132	129	140	135	146
16	89.9	88.1	102	123	133	131	142	139	150	147	159	154	167
17	101	99.4	116	139	151	148	160	157	170	166	179	174	188
18	114	111	130	156	169	166	180	176	190	186	201	195	211
20	140	138	160	193	209	205	222	217	235	230	248	241	260
22	170	167	194	233	252	248	268	263	284	278	301	291	315
24	202	198	230	278	300	295	319	313	339	331	358	347	375
26	237	233	270	326	352	347	375	367	397	388	420	407	440
28	275	270	314	378	409	402	435	426	461	450	487	472	510
30	316	310	360	434	469	461	499	489	529	517	559	542	586
32	359	352	410	494	534	525	568	556	602	588	636	616	666
34	406	398	462	557	603	593	641	628	679	664	718	696	752
36	455	446	518	625	676	664	719	704	762	744	805	780	843
38	507	497	578	696	753	740	801	785	849	829	897	869	940
40	562	550	640	771	834	820	887	869	940	919	993	963	1040
42	619	607	706	850	920	904	978	959	1040	1010	1100	1060	1150
44	680	666	774	933	1010	993	1070	1050	1140	1110	1200	1160	1260
46	743	728	846	1020	1100	1080	1170	1150	1240	1210	1310	1270	1380
48	809	793	922	1110	1200	1180	1280	1250	1350	1320	1430	1390	1500
50	878	860	1000	1210	1300	1280	1390	1360	1470	1440	1550	1500	1630
52	949	930	1080	1300	1410	1390	1500	1470	1590	1550	1680	1630	1760
54	1024	1000	1170	1410	1520	1500	1620	1580	1710	1670	1810	1750	1900
56	1100	1080	1250	1510	1630	1610	1740	1700	1840	1800	1950	1890	2040
58	1180	1160	1350	1620	1750	1720	1870	1830	1980	1930	2090	2020	2190
60	1260	1240	1440	1740	1880	1850	2000	1960	2120	2070	2240	2170	2340
62	1350	1320	1540	1850	2000	1970	2130	2090	2260	2210	2390	2310	2500
64	1440	1410	1640	1970	2140	2100	2270	2230	2410	2350	2540	2460	2670
66	1530	1500	1740	2100	2270	2230	2420	2370	2560	2500	2700	2620	2830
68	1620	1590	1850	2230	2410	2370	2560	2510	2720	2650	2870	2780	3010
70	1720	1690	1960	2360	2550	2510	2720	2660	2880	2810	3040	2950	3190
72	1820	1780	2070	2500	2700	2660	2870	2820	3050	2980	3220	3120	3370
74	1920	1880	2190	2640	2850	2810	3040	2980	3220	3140	3400	3300	3560
76	2030	1990	2310	2780	3010	2960	3200	3140	3390	3320	3590	3480	3760
78	2140	2090	2430	2930	3170	3120	3370	3310	3580	3490	3780	3660	3960
80	2250	2200	2560	3080	3340	3280	3550	3480	3760	3670	3970	3850	4160



6x37圆股钢丝绳(光面和镀锌)
Steel Wire Rope (Ungalvanized and Galvanized)



6x37+FC

6x37+IWS

6x37+IWR

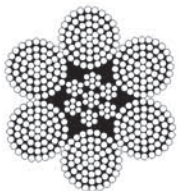
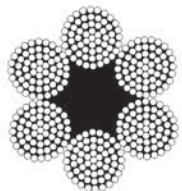
钢丝绳结构 (Construction): 6X37+FC 6X37+IWS 6X37+IWR

Nominal Diameter 钢丝绳公称直径	Approx.Weight 钢丝绳近似重量			Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)									
				1570		1670		1770		1870		1960	
				Minimun Breaking Load of Rope 钢丝绳最小破断拉力									
D	NF 天然纤维 芯钢丝绳	SF 合成纤维 芯钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳
mm	kg/100m			(KN)									
5	8.65	8.43	10.0	11.6	12.5	12.3	13.3	13.1	14.1	13.8	14.9	14.5	15.6
6	12.5	12.1	14.4	16.7	18.0	17.7	19.2	18.8	20.3	19.9	21.5	20.8	22.5
7	17.0	16.5	19.6	22.7	24.5	24.1	26.1	25.6	27.7	27.0	29.2	28.3	30.6
8	22.1	21.6	25.6	29.6	32.1	31.5	34.1	33.4	36.1	35.3	38.2	37.0	40.0
9	28.0	27.3	32.4	37.5	40.6	39.9	43.2	42.3	45.7	44.7	48.3	46.8	50.6
10	34.6	33.7	40.0	46.3	50.1	49.3	53.3	52.2	56.5	55.2	59.7	57.8	62.5
11	41.9	40.8	48.4	56.0	60.6	59.6	64.5	63.2	68.3	66.7	72.2	70.0	75.7
12	49.8	48.5	57.6	66.7	72.1	70.9	76.7	75.2	81.3	79.4	85.9	83.3	90.0
13	58.5	57.0	67.6	78.3	84.6	83.3	90.0	88.2	95.4	93.2	101	97.7	106
14	67.8	66.1	78.4	90.8	98.2	96.6	104	102	111	108	117	113	123
15	77.9	75.8	90.0	104	113	111	120	118	127	124	134	130	141
16	88.6	86.3	102	119	128	126	136	134	145	141	153	148	160
18	112	109	130	150	162	160	173	169	183	179	193	187	203
20	138	135	160	185	200	197	213	209	226	221	239	231	250
22	168	163	194	224	242	238	258	253	273	267	289	280	303
24	199	194	230	267	289	284	307	301	325	318	344	333	360
26	234	228	270	313	339	333	360	353	382	373	403	391	423
28	271	264	314	363	393	386	418	409	443	433	468	453	490
30	311	303	360	417	451	443	480	470	508	497	537	520	563
32	354	345	410	474	513	505	546	535	578	565	611	592	640
34	400	390	462	535	579	570	616	604	653	638	690	668	723
36	448	437	518	600	649	639	690	677	732	715	773	749	810
38	500	487	578	669	723	711	769	754	815	797	861	835	903
40	554	539	640	741	801	788	852	835	903	883	954	925	1000
42	610	595	706	817	884	869	940	921	996	973	1052	1020	1100
44	670	652	774	897	970	954	1031	1011	1093	1068	1155	1120	1210
46	732	713	846	980	1060	1040	1130	1100	1190	1170	1260	1220	1320
48	797	776	922	1070	1150	1140	1230	1200	1300	1270	1370	1330	1440
50	865	843	1000	1160	1250	1230	1330	1310	1410	1380	1490	1450	1560
52	936	911	1080	1250	1350	1330	1440	1410	1530	1490	1610	1560	1690
54	1010	983	1170	1350	1460	1440	1550	1520	1650	1610	1740	1690	1820
56	1090	1060	1250	1450	1570	1550	1670	1640	1770	1730	1870	1810	1960
58	1160	1130	1350	1560	1680	1660	1790	1760	1900	1860	2010	1950	2100
60	1250	1210	1440	1670	1800	1770	1920	1880	2030	1990	2150	2080	2250
62	1330	1300	1540	1780	1920	1890	2050	2010	2170	2120	2290	2220	2400
64	1420	1380	1640	1900	2050	2020	2180	2140	2310	2260	2440	2370	2560
66	1510	1470	1740	2020	2180	2150	2320	2270	2460	2400	2600	2520	2720
68	1600	1560	1850	2140	2320	2280	2460	2410	2610	2550	2760	2670	2890
70	1700	1650	1960	2270	2450	2410	2610	2560	2770	2700	2920	2830	3060
72	1790	1750	2070	2400	2600	2550	2760	2710	2930	2860	3090	3000	3240
74	1890	1850	2190	2540	2740	2700	2920	2860	3090	3020	3270	3170	3420
76	2000	1950	2310	2680	2890	2850	3080	3020	3260	3190	3450	3340	3610
78	2110	2050	2430	2820	3050	3000	3240	3180	3440	3360	3630	3520	3800
80	2210	2160	2560	2960	3200	3150	3410	3340	3610	3530	3820	3700	4000
85	2500	2430	2890	3350	3620	3560	3850	3770	4080	3990	4310	4180	4520
90	2800	2730	3240	3750	4060	3990	4320	4230	4570	4470	4830	4680	5060
95	3120	3040	3610	4180	4520	4450	4810	4710	5100	4980	5380	5220	5640
100	3460	3370	4000	4630	5000	4930	5330	5220	5650	5520	5970	5780	6250
105	3810	3720	4410	5110	5520	5430	5870	5760	6230	6080	6580	6370	6890
110	4190	4080	4840	5600	6060	5960	6450	6320	6830	6680	7220	7000	7570
115	4580	4460	5290	6130	6620	6520	7050	6910	7470	7300	7890	7650	8270
120	4980	4850	5760	6670	7210	7090	7670	7520	8130	7940	8590	8330	9000

Main Applications: Various equipment for hoisting, derricking, lifting and drawing
主要用途: 各种起重、提升和牵引设备



6x61圆股钢丝绳(光面和镀锌) Steel Wire Rope
(Ungalvanized and Galvanized)



6x61+FC

6x61+IWR

钢丝绳结构 (Construction): 6X61+FC 6X61+IWR

Nominal Diameter 钢丝绳公称直径	Approx.Weight 钢丝绳近似重量			Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)									
				1570		1670		1770		1870		1960	
				Minimun Breaking Load of Rope 钢丝绳最小破断拉力									
D	NF 天然纤维 芯钢丝绳	SF 合成纤维 芯钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳
mm	kg/100m			(KN)									
20	144	142	159	178	192	189	204	200	217	212	229	222	240
22	175	171	193	215	233	229	247	242	262	256	277	268	290
24	208	204	229	256	277	272	294	289	312	305	330	319	345
26	244	239	269	300	325	319	345	339	366	358	387	375	405
28	283	278	312	348	377	371	401	393	425	415	449	435	470
30	325	319	358	400	432	425	460	451	487	476	515	499	540
32	370	362	408	455	492	484	523	513	555	542	586	568	614
34	417	409	460	514	555	546	591	579	626	612	661	641	693
36	468	459	516	576	623	613	662	649	702	686	742	719	777
38	521	511	575	642	694	682	738	723	782	764	826	801	866
40	578	566	637	711	769	756	818	801	867	847	916	887	960
42	637	624	702	784	847	834	901	884	955	934	1010	978	1060
44	699	685	771	860	930	915	989	970	1050	1020	1110	1070	1160
46	764	749	842	940	1020	1000	1080	1060	1150	1120	1210	1170	1270
48	832	816	917	1020	1110	1090	1180	1150	1250	1220	1320	1280	1380
50	903	885	995	1110	1200	1180	1280	1250	1350	1320	1430	1390	1500
52	976	957	1080	1200	1300	1280	1380	1350	1460	1430	1550	1500	1620
54	1050	1030	1160	1300	1400	1380	1490	1460	1580	1540	1670	1620	1750
56	1130	1110	1250	1390	1510	1480	1600	1570	1700	1660	1790	1740	1880
58	1210	1190	1340	1490	1620	1590	1720	1690	1820	1780	1920	1870	2020
60	1300	1270	1430	1600	1730	1700	1840	1800	1950	1910	2060	2000	2160
62	1390	1360	1530	1710	1850	1820	1960	1930	2080	2030	2200	2130	2310
64	1480	1450	1630	1820	1970	1940	2090	2050	2220	2170	2340	2270	2460
66	1570	1540	1730	1940	2090	2060	2230	2180	2360	2310	2490	2420	2610
68	1670	1640	1840	2050	2220	2190	2360	2320	2500	2450	2650	2560	2770
70	1770	1730	1950	2180	2350	2320	2500	2450	2650	2590	2800	2720	2940
72	1870	1840	2060	2300	2490	2450	2650	2600	2810	2740	2970	2880	3110
74	1980	1940	2180	2430	2630	2590	2800	2740	2970	2900	3130	3040	3280
76	2090	2040	2300	2570	2770	2730	2950	2890	3130	3060	3310	3200	3460
78	2200	2150	2420	2700	2920	2880	3110	3050	3300	3220	3480	3370	3650
80	2310	2270	2550	2840	3070	3020	3270	3210	3470	3390	3660	3550	3840
85	2610	2560	2880	3210	3470	3410	3690	3620	3910	3820	4130	4010	4330
90	2920	2870	3220	3600	3890	3830	4140	4060	4390	4290	4630	4490	4860
95	3260	3190	3590	4010	4340	4270	4610	4520	4890	4780	5160	5010	5410
100	3610	3540	3980	4440	4800	4730	5110	5010	5420	5290	5720	5550	6000
105	3980	3900	4390	4900	5300	5210	5630	5520	5970	5830	6310	6120	6610
110	4370	4280	4820	5380	5810	5720	6180	6060	6550	6400	6920	6710	7260
115	4770	4680	5260	5880	6350	6250	6760	6620	7160	7000	7570	7340	7930
120	5200	5100	5730	6400	6920	6810	7360	7210	7800	7620	8240	7990	8640
125	5640	5530	6220	6940	7510	7380	7980	7830	8460	8270	8940	8670	9370
130	6100	5980	6730	7510	8120	7990	8640	8470	9150	8940	9670	9370	10100
135	6580	6450	7250	8100	8760	8610	9310	9130	9870	9640	10400	10100	10900
140	7080	6940	7800	8710	9420	9260	10000	9820	10600	10400	11200	10900	11800
145	7590	7440	8370	9340	10100	9940	10700	10500	11400	11100	12000	11700	12600
150	8120	7970	8960	10000	10800	10600	11500	11300	12200	11900	12900	12500	13500
155	8670	8500	9560	10700	11500	11400	12300	12000	13000	12700	13700	13300	14400
160	9240	9060	10200	11400	12300	12100	13100	12800	13900	13500	14600	14200	15400



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6x19S or 6x19W 线接触钢丝绳(光面和镀锌)
Line Contacted Wire Rope (Ungalvanized and Galvanized)



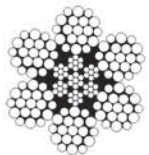
6x19S+FC



6x19S+IWR



6x19W+FC



6x19W+IWR

钢丝绳结构 (Construction): 6X19S+FC 6X19S+IWR 6X19W+FC 6X19W+IWR

Nominal Diameter 钢丝绳公称直径	Approx.Weight 钢丝绳近似重量			Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)									
				1570		1670		1770		1870		1960	
				Minimun Breaking Load of Rope 钢丝绳最小破断拉力									
D	NF 天然纤维 芯钢丝绳	SF 合成纤维 芯钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳
mm	kg/100m			(KN)									
5	9.22	9.00	10.1	13.0	14.0	13.8	14.9	14.6	15.8	15.4	16.6	16.2	17.4
6	13.3	13.0	14.6	18.7	20.1	19.8	21.4	21.0	22.7	22.2	24.0	23.3	25.1
7	18.1	17.6	19.9	25.4	27.4	27.0	29.1	28.6	30.9	30.2	32.6	31.7	34.2
8	23.6	23.0	25.9	33.2	35.8	35.3	38.0	37.4	40.3	39.5	42.6	41.4	44.7
9	29.9	29.1	32.8	42.0	45.3	44.6	48.2	47.3	51.0	50.0	53.9	52.4	56.5
10	36.9	36.0	40.5	51.8	55.9	55.1	59.5	58.4	63.0	61.7	66.6	64.7	69.8
11	44.6	43.5	49.1	62.7	67.6	66.7	71.9	70.7	76.2	74.7	80.6	78.3	84.4
12	53.1	51.8	58.4	74.6	80.5	79.4	85.6	84.1	90.7	88.9	95.9	93.1	101
13	62.3	60.8	68.5	87.6	94.5	93.1	101	98.7	107	104	113	109	118
14	72.2	70.5	79.5	102	110	108	117	115	124	121	131	127	137
15	82.9	81.0	91.2	117	126	124	134	131	142	139	150	146	157
16	94.4	92.1	104	133	143	141	152	150	161	158	170	166	179
18	119	117	131	168	181	179	193	189	204	200	216	210	226
19	133	130	146	187	202	199	215	211	228	223	240	234	252
20	147	144	162	207	224	220	238	234	252	247	266	259	279
22	178	174	196	251	271	267	288	283	305	299	322	313	338
24	212	207	234	298	322	317	342	336	363	355	384	373	402
26	249	243	274	350	378	373	402	395	426	417	450	437	472
28	289	282	318	406	438	432	466	458	494	484	522	507	547
30	332	324	365	466	503	496	535	526	567	555	599	582	628
32	377	369	415	531	572	564	609	598	645	632	682	662	715
34	426	416	469	599	646	637	687	675	728	713	770	748	807
36	478	466	526	672	724	714	771	757	817	800	863	838	904
38	532	520	586	748	807	796	859	843	910	891	961	934	1010
40	590	576	649	829	894	882	951	935	1010	987	1070	1030	1120
42	650	635	715	914	986	972	1050	1030	1110	1090	1170	1140	1230
44	714	697	785	1000	1080	1070	1150	1130	1220	1190	1290	1250	1350
46	780	762	858	1100	1180	1170	1260	1240	1330	1310	1410	1370	1480
48	849	829	934	1190	1290	1270	1370	1350	1450	1420	1530	1490	1610
50	922	900	1010	1300	1400	1380	1490	1460	1580	1540	1660	1620	1740
52	997	973	1100	1400	1510	1490	1610	1580	1700	1670	1800	1750	1890
54	1080	1050	1180	1510	1630	1610	1730	1700	1840	1800	1940	1890	2030
56	1160	1130	1270	1620	1750	1730	1860	1830	1980	1940	2090	2030	2190
58	1240	1210	1360	1740	1880	1850	2000	1960	2120	2080	2240	2180	2350
60	1330	1300	1460	1870	2010	1980	2140	2100	2270	2220	2400	2330	2510
62	1420	1380	1560	1990	2150	2120	2290	2250	2420	2370	2560	2490	2680
64	1510	1470	1660	2120	2290	2260	2440	2390	2580	2530	2730	2650	2860
66	1610	1570	1770	2260	2430	2400	2590	2540	2740	2690	2900	2820	3040
68	1700	1660	1870	2400	2580	2550	2750	2700	2910	2850	3080	2990	3230
70	1810	1760	1990	2540	2740	2700	2910	2860	3090	3020	3260	3170	3420
72	1910	1870	2100	2690	2900	2860	3080	3030	3270	3200	3450	3350	3620
74	2020	1970	2220	2840	3060	3020	3260	3200	3450	3380	3650	3540	3820
76	2130	2080	2340	2990	3230	3180	3430	3370	3640	3560	3850	3740	4030
78	2240	2190	2470	3150	3400	3350	3620	3550	3830	3750	4050	3940	4250
80	2360	2300	2590	3320	3580	3530	3800	3740	4030	3950	4260	4140	4470

Main Applications: Various equipment for hoisting, derricking, lifting, towing, port load and unload, blast furnace hoisting and oil well drilling. The rope with wire core can be used under the shock load, heated and squeezed conditions
主要用途: 各种起重、提升和牵引设备、港口装卸、高炉卷扬、石油钻井、金属芯绳适用于冲击负荷, 受力和受挤压条件下。



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6x25Fi 6x29Fi 6x26WS 6x31WS 6x36WS 6x37S 6x41WS 6x49SWS
线接触钢丝绳(光面和镀锌) Line Contacted Wire Rope (Ungalvanized and Galvanized)



6x25Fi+FC



6x26WS+FC



6x29Fi+FC



6x31WS+FC



6x36WS+FC



6x37S+FC



6x41WS+FC



6x49SWS+FC



6x25Fi+IWR



6x26WS+IWR



6x29Fi+IWR



6x31WS+IWR



6x36WS+IWR



6x37S+IWR



6x41WS+IWR



6x49SWS+IWR

Nominal Diameter 钢丝绳公称直径	Approx.Weight 钢丝绳近似重量			Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)									
				1570		1670		1770		1870		1960	
				Minimun Breaking Load of Rope 钢丝绳最小破断拉力									
D	NF 天然纤维 芯钢丝绳	SF 合成纤维 芯钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳
mm	kg/100m			(KN)									
8	24.3	23.7	26.8	33.2	35.8	35.3	38.0	37.4	40.3	39.5	42.6	41.4	44.7
9	30.8	30.1	33.9	42.0	45.3	44.6	48.2	47.3	51.0	50.0	53.9	52.4	56.5
10	38.0	37.1	41.8	51.8	55.9	55.1	59.5	58.4	63.0	61.7	66.6	64.7	69.8
11	46.0	44.9	50.6	62.7	67.6	66.7	71.9	70.7	76.2	74.7	80.6	78.3	84.4
12	54.7	53.4	60.2	74.6	80.5	79.4	85.6	84.1	90.7	88.9	95.9	93.1	100
14	74.5	72.7	81.9	102	110	108	117	114	124	121	130	127	137
16	97.3	95.0	107	133	143	141	152	150	161	158	170	166	179
18	123	120	135	168	181	179	193	189	204	200	216	210	226
20	152	148	167	207	224	220	238	234	252	247	266	259	279
22	184	180	202	251	271	267	288	283	305	299	322	313	338
24	219	214	241	298	322	317	342	336	363	355	383	373	402
26	257	251	283	350	378	373	402	395	426	417	450	437	472
28	298	291	328	406	438	432	466	458	494	484	522	507	547
30	342	334	376	466	503	496	535	526	567	555	599	582	628
32	389	380	428	531	572	564	609	598	645	632	682	662	715
34	439	429	483	599	646	637	687	675	728	713	770	748	807
36	492	481	542	671	724	714	770	757	817	800	863	838	904
38	549	536	604	748	807	796	858	843	910	891	961	934	1008
40	608	594	669	829	894	882	951	935	1010	987	1070	1030	1120
42	670	654	737	914	986	972	1050	1030	1110	1090	1170	1140	1230
44	736	718	809	1000	1080	1070	1150	1130	1220	1190	1290	1250	1350
46	804	785	884	1100	1180	1170	1260	1240	1330	1310	1410	1370	1480
48	876	855	963	1190	1290	1270	1370	1350	1450	1420	1530	1490	1610
50	950	928	1050	1300	1400	1380	1490	1460	1580	1540	1660	1620	1740
52	1030	1000	1130	1400	1510	1490	1610	1580	1700	1670	1800	1750	1890
54	1110	1080	1220	1510	1630	1610	1730	1700	1840	1800	1940	1890	2030
56	1190	1160	1310	1620	1750	1730	1860	1830	1980	1940	2090	2030	2190
58	1280	1250	1410	1740	1880	1850	2000	1960	2120	2080	2240	2180	2350
60	1370	1340	1500	1870	2010	1980	2140	2100	2270	2220	2400	2330	2510
62	1460	1430	1610	1990	2150	2120	2290	2250	2420	2370	2560	2490	2680
64	1560	1520	1710	2120	2290	2260	2440	2390	2580	2530	2730	2650	2860
66	1660	1620	1820	2260	2430	2400	2590	2540	2740	2690	2900	2820	3040
68	1760	1720	1930	2400	2580	2550	2750	2700	2910	2850	3080	2990	3230
70	1860	1820	2050	2540	2740	2700	2910	2860	3090	3020	3260	3170	3420
72	1970	1920	2170	2690	2900	2860	3080	3030	3270	3200	3450	3350	3620
74	2080	2030	2290	2840	3060	3020	3260	3200	3450	3380	3650	3540	3820
76	2190	2140	2410	2990	3230	3180	3430	3370	3640	3560	3850	3740	4030
78	2310	2260	2540	3150	3400	3350	3620	3550	3830	3750	4050	3940	4250
80	2430	2370	2680	3320	3580	3530	3800	3740	4030	3950	4260	4140	4470
85	2750	2680	3020	3740	4040	3980	4300	4220	4550	4460	4810	4670	5040
90	3080	3010	3390	4200	4530	4460	4820	4730	5100	5000	5390	5240	5650
95	3430	3350	3770	4680	5040	4970	5370	5270	5690	5570	6010	5840	6300
100	3800	3710	4180	5180	5590	5510	5950	5840	6300	6170	6660	6470	6980
105	4190	4090	4610	5710	6160	6080	6550	6440	6950	6800	7340	7130	7690
110	4600	4490	5060	6270	6760	6670	7190	7070	7620	7470	8060	7830	8440
115	5030	4910	5530	6850	7390	7290	7860	7720	8330	8160	8800	8550	9230
120	5470	5340	6020	7460	8050	7940	8560	8410	9070	8890	9590	9310	10000



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6x12圆股钢丝绳(光面和镀锌)
Steel Wire Rope (Ungalvanized and Galvanized)



6x12+7FC

钢丝绳结构 (Construction):6X12+7FC

Nominal Diameter 钢丝绳公称直径 mm	Approx. Weight 钢丝绳近似重量 kg/100m		Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)				
	NF 天然纤维 芯钢丝绳	SF 合成纤维 芯钢丝绳	1470	1570	1670	1770	1870
			Minimun Breaking Load of Rope 钢丝绳最小破断拉力(KN)				
3	2.26	2.08	2.77	2.95	3.14	3.33	3.52
4	4.02	3.70	4.92	5.30	5.58	5.92	6.25
5	6.28	5.78	7.68	8.20	8.73	9.25	9.77
6	9.04	8.32	11.1	11.8	12.6	13.3	14.1
7	12.3	11.3	15.1	16.1	17.1	18.1	19.2
8	16.1	14.8	19.7	21.0	22.3	23.7	25.0
9	20.3	18.7	24.9	26.6	28.3	30.0	31.7
10	25.1	23.1	30.7	32.8	34.9	37.0	39.1
11	30.4	28.0	37.2	39.7	42.2	44.8	47.3
12	36.1	33.3	44.2	47.3	50.3	53.3	56.3
14	49.2	45.3	60.2	64.3	68.4	72.5	76.6
16	64.3	59.1	78.7	84.0	89.4	94.7	100
18	81.3	74.8	99.5	106	113	120	127
20	100	92.4	123	131	140	148	156
22	122	112	149	159	169	179	189
24	145	133	177	189	201	213	225
26	170	156	208	222	236	250	264
28	197	181	241	257	274	290	306
30	226	208	277	295	314	333	352
32	257	237	315	336	357	379	400
34	290	267	355	379	404	428	452
36	325	299	398	425	452	479	507
38	362	334	444	474	504	534	564
40	402	370	492	525	558	592	625

Main Applications:Towboat,goods net,floating transportation of wood,bunding etc.
主要用途:拖船、货网、浮运、木材捆绑等



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6x15圆股钢丝绳(光面和镀锌)
Steel Wire Rope (Ungalvanized and Galvanized)



6x15+7FC

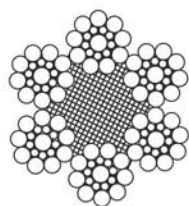
钢丝绳结构 (Construction):6X15+7FC

Nominal Diameter 钢丝绳公称直径	Approx. Weight 钢丝绳近似重量 kg/100m		Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)				
	NF 天然纤维 芯钢丝绳	SF 合成纤维 芯钢丝绳	1470	1570	1670	1770	1870
			Minimun Breaking Load of Rope 钢丝绳最小破断拉力(KN)				
8	12.8	11.8	16.9	18.1	19.2	20.4	21.5
10	20.0	18.5	26.5	28.3	30.1	31.9	33.7
12	28.8	26.6	38.1	40.7	43.3	45.9	48.5
14	39.2	36.3	51.9	55.4	58.9	62.4	66.0
16	51.2	47.4	67.7	72.3	77.0	81.6	86.2
18	64.8	59.9	85.7	91.6	97.4	103	109
20	80.0	74.0	106	113	120	127	135
22	96.8	89.5	128	137	145	154	163
24	115	107	152	163	173	184	194
26	135	125	179	191	203	215	228
28	157	145	207	222	236	250	264
30	180	167	238	254	271	287	303
32	205	189	271	289	308	326	345
34	231	214	306	327	347	368	389
36	259	240	343	366	390	413	436
38	289	267	382	408	434	460	486
40	320	296	423	452	481	510	539

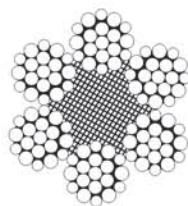
Main Applications:Towboat,goods net,floating transportation of wood,bunding etc.
主要用途:拖船、货网、浮运、木材捆绑等



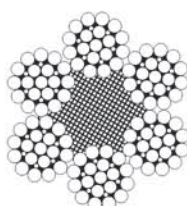
6股纤维芯电梯用钢丝绳Elevator Steel Wire Rope



6x19S+FC



6x19W+FC



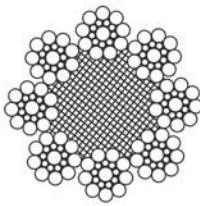
6X25Fi+FC

钢丝绳结构 (Construction): 6X19S+FC 6X19W+FC 6X25Fi+FC

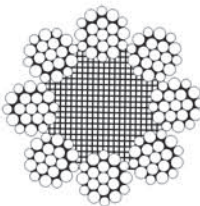
Nominal Diameter 钢丝绳公称直径	Approx.Weight 钢丝绳近似重量	Minimum Breaking Load of Rope 钢丝绳最小破断拉力						
		双强度/MPa				单强度/MPa		
		1180/1770	1320/1620	1370/1770	1570/1770	1570	1620	1770
mm	kg/100m	(KN)	(KN)	(KN)	(KN)	(KN)	(KN)	(KN)
6	12.9	16.3	16.8	17.8	19.5	18.7	19.2	21.0
6.3	14.2	17.9	18.5	19.6	21.5	20.6	21.2	23.2
6.5	15.2	19.1	19.7	20.9	22.9	21.9	22.6	24.7
8	23.0	28.9	29.8	31.7	34.6	33.2	34.2	37.4
9	29.1	36.6	37.7	40.1	43.8	42.0	43.3	47.3
9.5	32.4	40.8	42.0	44.7	48.8	46.8	48.2	52.7
10	35.9	45.2	46.5	49.5	54.1	51.8	53.5	58.4
11	43.4	54.7	56.3	59.9	65.5	62.7	64.7	70.7
12	51.7	65.1	67.0	71.3	77.9	74.6	77.0	84.1
12.7	57.9	72.9	75.0	79.8	87.3	83.6	86.2	94.2
13	60.7	76.4	78.6	83.7	91.5	87.6	90.3	98.7
14	70.4	88.6	91.2	97.0	106	102	105	114
14.3	73.4	92.4	95.1	101	111	106	109	119
15	80.8	102	105	111	122	117	120	131
16	91.9	116	119	127	139	133	137	150
17.5	110	138	142	152	166	159	164	179
18	116	146	151	160	175	168	173	189
19	130	163	168	179	195	187	193	211
20	144	181	186	198	216	207	214	234
20.6	152	192	197	210	230	220	227	248
22	174	219	225	240	262	251	259	283



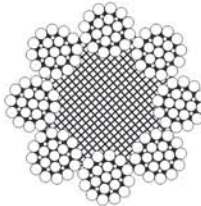
8股纤维芯电梯用钢丝绳Elevator Steel Wire Rope



8x19S+FC



8x19W+FC



8X25Fi+FC

钢丝绳结构 (Construction): 8X19S+FC 8X19W+FC 8X25Fi+FC

Nominal Diameter 钢丝绳公称直径	Approx.Weight 钢丝绳近似重量	Minimum Breaking Load of Rope 钢丝绳最小破断拉力						
		双强度/MPa				单强度/MPa		
		1180/1770	1320/1620	1370/1770	1570/1770	1570	1620	1770
mm	kg/100m	(KN)	(KN)	(KN)	(KN)	(KN)	(KN)	(KN)
8	21.8	25.7	26.5	28.1	30.8	29.4	30.4	33.2
9	27.5	32.5	33.5	35.6	38.9	37.3	38.4	42.0
9.5	30.7	36.2	37.3	39.7	43.4	41.5	42.8	46.8
10	34.0	40.1	41.3	44.0	48.1	46.0	47.5	51.9
11	41.1	48.6	50.0	53.2	58.1	55.7	57.4	62.8
12	49.0	57.8	59.5	63.3	69.2	66.2	68.4	74.7
12.7	54.8	64.7	66.6	70.9	77.5	74.2	76.6	83.6
13	57.5	67.8	69.8	74.3	81.2	77.7	80.2	87.6
14	66.6	78.7	81.0	86.1	94.2	90.2	93.0	102
14.3	69.5	82.1	84.5	89.9	98.3	94.1	97.1	106
15	76.5	90.3	93.0	98.9	108	104	107	117
16	87.0	103	106	113	123	118	122	133
17.5	104	123	127	135	147	141	145	159
18	110	130	134	142	156	149	154	168
19	123	145	149	159	173	166	171	187
20	136	161	165	176	192	184	190	207
20.6	144	170	175	187	204	195	201	220
22	165	194	200	213	233	223	230	251



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多层股不旋转钢丝绳(光面和镀锌)
NO-rotating Steel Wire Rope With Many Layers
(Ungalvanized and Galvanized)



17x7+FC



17x7+IWS



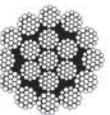
18x7+FC



18x7+IWS



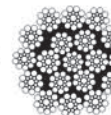
18x19W+FC



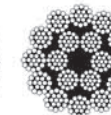
18x19W+IWS



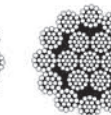
18x19S+FC



18x19S+IWS



18x19+FC



18x19+IWS

Nominal Diameter 钢丝绳公称直径	Approx.Weight 钢丝绳近似重量 kg/100m		Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)											
D/mm	FC 纤维芯 钢丝绳	IWR/IWS 钢芯 钢丝绳	Minimun Breaking Load of Rope 钢丝绳最小破断拉力(KN)											
			1570	1670	1770	1870	1960	2160						
6	14.0	15.5	17.5	18.5	18.6	19.7	19.8	20.9	20.9	22.1	21.9	23.1	24.1	25.5
7	19.1	21.1	23.8	25.2	25.4	26.8	26.9	28.4	28.4	30.1	29.8	31.5	32.8	34.7
8	25.0	27.5	31.1	33.0	33.1	35.1	35.1	37.2	37.1	39.3	38.9	41.1	42.9	45.3
9	31.6	34.8	39.4	41.7	41.9	44.4	44.4	47.0	47.0	49.7	49.2	52.1	54.2	57.4
10	39.0	43.0	48.7	51.5	51.8	54.8	54.9	58.1	58.0	61.3	60.8	64.3	67.0	70.8
11	47.2	52.0	58.9	62.3	62.6	66.3	66.4	70.2	70.1	74.2	73.5	77.8	81.0	85.7
12	56.2	61.9	70.1	74.2	74.5	78.9	79.0	83.6	83.5	88.3	87.5	92.6	96.4	102
13	65.9	72.7	82.3	87.0	87.5	92.6	92.7	98.1	98.0	104	103	109	113	120
14	76.4	84.3	95.4	101	101	107	108	114	114	120	119	126	131	139
16	99.8	110	125	132	133	140	140	149	148	157	156	165	171	181
18	126	139	158	167	168	177	178	188	188	199	197	208	217	230
20	156	172	195	206	207	219	219	232	232	245	243	257	268	283
22	189	208	236	249	251	265	266	281	281	297	294	311	324	343
24	225	248	280	297	298	316	316	334	334	353	350	370	386	408
26	264	291	329	348	350	370	371	392	392	415	411	435	453	479
28	306	337	382	404	406	429	430	455	454	481	476	504	525	555
30	351	387	438	463	466	493	494	523	522	552	547	579	603	638
32	399	440	498	527	530	561	562	594	594	628	622	658	686	725
34	451	497	563	595	598	633	634	671	670	709	702	743	774	819
36	505	557	631	667	671	710	711	752	751	795	787	833	868	918
38	563	621	703	744	748	791	792	838	837	886	877	928	967	1020
40	624	688	779	824	828	876	878	929	928	981	972	1030	1070	1130
42	688	759	859	908	913	966	968	1020	1020	1080	1070	1130	1180	1250
44	755	832	942	997	1000	1060	1060	1120	1120	1190	1180	1240	1300	1370
46	825	910	1030	1090	1100	1160	1160	1230	1230	1300	1290	1360	1420	1500
48	899	991	1120	1190	1190	1260	1260	1340	1340	1410	1400	1480	1540	1630
50	975	1080	1220	1290	1290	1370	1370	1450	1450	1530	1520	1610	1670	1770
52	1050	1160	1320	1390	1400	1480	1480	1570	1570	1660	1640	1740	1810	1920
54	1140	1250	1420	1500	1510	1600	1600	1690	1690	1790	1770	1870	1950	2070
56	1220	1350	1530	1610	1620	1720	1720	1820	1820	1920	1910	2020	2100	2220
58	1310	1450	1640	1730	1740	1840	1850	1950	1950	2060	2040	2160	2250	2380
60	1400	1550	1750	1850	1860	1970	1980	2090	2090	2210	2190	2310	2410	2550

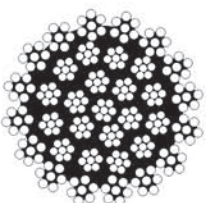
Main Applications:Equipment for port load and unload derrick tower crane.
主要用途:主要用于汽车吊,输电线路架设及各种起重机。



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多层股不旋转钢丝绳(光面和镀锌)
NO-rotating Steel Wire Rope With Many Layers
(Ungalvanized and Galvanized)



35Wx7

钢丝绳结构 (Construction):35Wx7

Nominal Diameter 钢丝绳公称直径 mm	Approx.Weight 钢丝绳近似重量 kg/100m	Nominal Tensile Strength of Rope 钢丝绳公称抗拉强度(MPa)					
		1570	1670	1770	1870	1960	2160
		Minimun Breaking Load of Rope 钢丝绳最小破断拉力(KN)					
6	16.6	20.3	21.6	22.9	24.2	25.4	28.0
8	29.4	36.2	38.5	40.8	43.1	45.2	49.8
10	46.0	56.5	60.1	63.7	67.3	70.6	77.8
12	66.2	81.4	86.6	91.8	96.9	102	112
14	90.2	111	118	125	132	138	152
16	118	145	154	163	172	181	199
18	149	183	195	206	218	229	252
20	184	226	240	255	269	282	311
22	223	274	291	308	326	342	376
24	265	326	346	367	388	406	448
26	311	382	406	431	455	477	526
28	361	443	471	500	528	553	610
30	414	509	541	573	606	635	700
32	471	579	616	652	689	723	796
34	532	653	695	737	778	816	899
36	596	732	779	826	872	914	1010
38	664	816	868	920	972	1020	1120
40	736	904	962	1020	1080	1130	1240
42	811	997	1060	1120	1190	1240	1370
44	891	1090	1160	1230	1300	1370	1510
46	973	1200	1270	1350	1420	1490	1650
48	1060	1300	1390	1470	1550	1630	1790
50	1150	1410	1500	1590	1680	1760	1940
52	1240	1530	1630	1720	1820	1910	2100
54	1340	1650	1750	1860	1960	2060	2270
56	1440	1770	1890	2000	2110	2210	2440
58	1550	1900	2020	2140	2260	2370	2620
60	1660	2030	2160	2290	2420	2540	2800

Main Applications:Equipment for port load and unload derrick tower crane.
主要用途:港口装卸和塔式起重机用。



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电力及通讯用钢丝及钢绞线 Steel Wire & Strand for Power & Telecommunication Cable



1 电力及通讯用镀锌钢丝及钢绞线 Galvanized Steel Wire & Strand for ACSR

钢丝线径: 1.57-4.75mm

结构: 1*3; 1*7,1*19; 1*37

包装: 卷式, 轴式, Z2, Z3

标准: ASTM B498; ASTM A475; ASTM A 363; BS EN 50189; BS EN 183; JIS G 3537; GB/T 3428G1A~G3A); YB/T 5004, etc.

Diameter: 1.57-4.75mm

Structure: 1*3; 1*7,1*19; 1*37

Package: Coil, Drum, Z2, Z3

Standard: ASTM B498; ASTM A475; ASTM A 363; BS EN 50189; BS EN 183; JIS G 3537; GB/T 3428G1A~G3A); YB/T 5004, etc.



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超高性能钢丝及钢绞线

/Ultra-High-Strength Tensile Requirement

Diameter rang (mm)	Stress at 1% Extension Min.,Mpa	Ultimate Tensile Strength Min.,Mpa	Elongation in 250mm Min.,%
1.27-2.28	1580	1965	3
2.29-3.04	1550	1900	3
3.05-3.55	1515	1860	3.5
3.56-4.82	1480	1825	3.5

镀锌层厚度 Zinc Coating

Diameter rang (mm)	Class A (g/m2)	Class B (g/m2)	Class C (g/m2)
1.60-1.90	210	420	630
1.90-2.30	220	440	660
2.30-2.70	230	460	690
2.70-3.10	240	480	720
3.10-3.50	260	520	780
3.50-3.90	270	540	810
3.90-4.50	275	550	825
4.50-4.82	300	600	900

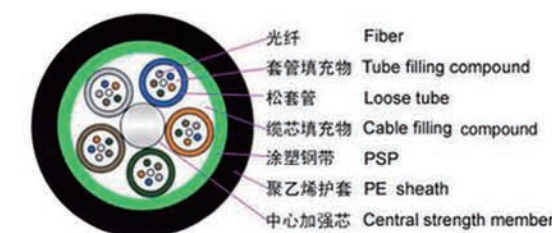
2 光通讯用钢丝 Steel Wire for Optical Cable

线径: 0.5-3.0mm

包装: 卷式, 轴式, Z2, Z3

Diameter: 0.5-3.0mm

Package: Coil, Drum, Z2, Z3





www.brightsteelwire.com

围栏网用镀锌钢丝 Wire for Mesh & Fence

钢丝线径: 1.2-8.0mm

锌层含量: 40g/m²~800g/m²

包装: 卷式, 轴式, Z2, Z3

标准: JIS G 3547, YB/T 5249; BS EN 10244-2; ASTM A641; etc.

Diameter: 1.2-8.0mm

Zinc Coating: 40g/m²~800g/m²

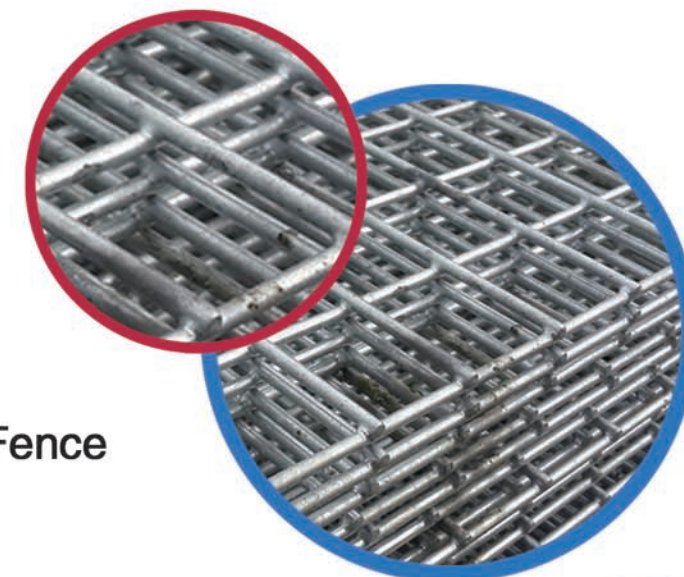
Package: Coil, Drum, Z2, Z3

Standard: JIS G 3547, YB/T 5249; BS EN 10244-2; ASTM A641; etc.

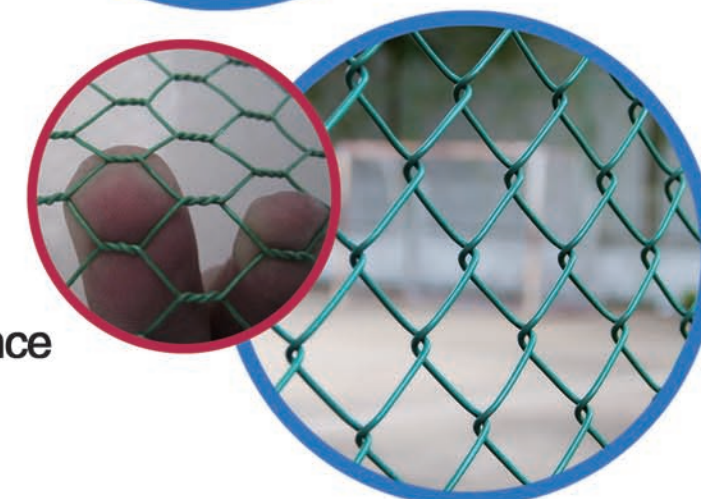


www.brightsteelwire.com

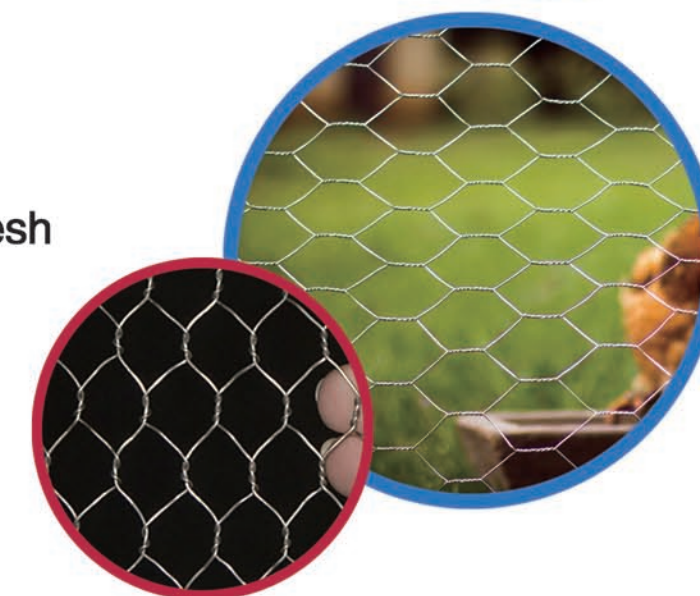
1 焊网 Welded Fence



2 菱形网 Chain Link Fence



3 六角网 Hexagonal Wire mesh



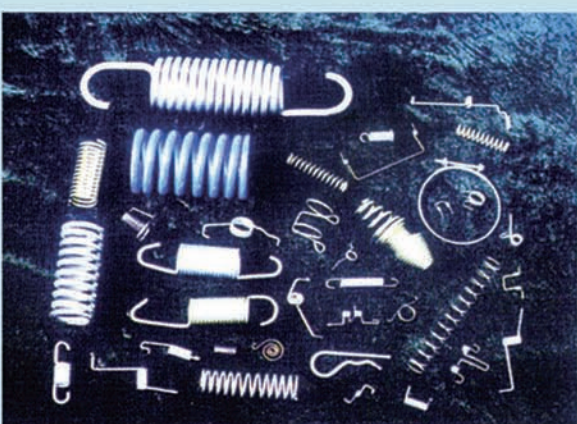
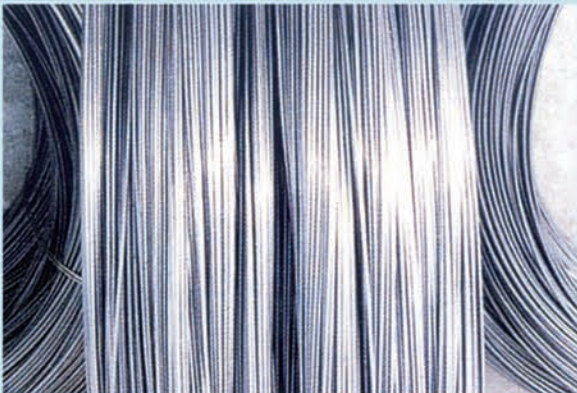


弹簧钢丝图片
Spring steel wires Pictures

● 钢丝生产车间



● 弹簧钢丝产品



碳素弹簧钢丝
Carbon Spring steel wires

(GB/T4357 70# 65Mn SWRH72A SWRH72B T9A T8MnA)

钢丝公称直径 ϕ /mm	抗拉强度 σ_b /Mpa				
	SL型	SM型	DM型	SH型	DH ^c 型
0.14	—	—	2 620 ~ 2 910	—	2 800 ~ 3 250
0.16			2 570 ~ 2 860		2 800 ~ 3 200
0.18			2 530 ~ 2 820		2 800 ~ 3 160
0.20			2 500 ~ 2 790		2 800 ~ 3 110
0.22			2 470 ~ 2 760		2 770 ~ 3 080
0.25			2 420 ~ 2 710		2 720 ~ 3 010
0.28			2 390 ~ 2 650		2 680 ~ 2 970
0.30		2 370 ~ 2 650	2 370 ~ 2 650	2 660 ~ 2 940	2 660 ~ 2 940
0.32		2 350 ~ 2 630	2 350 ~ 2 630	2 640 ~ 2 920	2 640 ~ 2 920
0.34		2 330 ~ 2 600	2 330 ~ 2 600	2 610 ~ 2 890	2 610 ~ 2 890
0.36		2 310 ~ 2 580	2 310 ~ 2 580	2 590 ~ 2 890	2 590 ~ 2 890
0.38		2 290 ~ 2 560	2 290 ~ 2 560	2 570 ~ 2 850	2 570 ~ 2 850
0.40		2 270 ~ 2 550	2 270 ~ 2 550	2 560 ~ 2 830	2 570 ~ 2 830
0.43		2 250 ~ 2 520	2 250 ~ 2 520	2 530 ~ 2 800	2 570 ~ 2 800
0.45		2 240 ~ 2 500	2 240 ~ 2 500	2 510 ~ 2 780	2 570 ~ 2 780
0.48		2 220 ~ 2 480	2 240 ~ 2 500	2 490 ~ 2 760	2 570 ~ 2 760
0.50		2 220 ~ 2 470	2 200 ~ 2 470	2 480 ~ 2 740	2 480 ~ 2 740
0.53		2 180 ~ 2 450	2 180 ~ 2 450	2 460 ~ 2 720	2 460 ~ 2 720
0.56		2 170 ~ 2 430	2 170 ~ 2 430	2 440 ~ 2 700	2 440 ~ 2 700
0.60		2 140 ~ 2 410	2 140 ~ 2 400	2 410 ~ 2 670	2 410 ~ 2 670
0.63		2 130 ~ 2 380	2 130 ~ 2 380	2 390 ~ 2 650	2 390 ~ 2 650
0.65		2 120 ~ 2 370	2 120 ~ 2 370	2 380 ~ 2 640	2 380 ~ 2 640
0.70		2 090 ~ 2 350	2 090 ~ 2 350	2 360 ~ 2 610	2 360 ~ 2 610
0.80		2 050 ~ 2 300	2 050 ~ 2 300	2 310 ~ 2 560	2 310 ~ 2 560
0.85		2 030 ~ 2 280	2 030 ~ 2 280	2 290 ~ 2 530	2 290 ~ 2 530
0.90		2 010 ~ 2 260	2 010 ~ 2 260	2 270 ~ 2 510	2 270 ~ 2 510
0.95		2 000 ~ 2 240	2 000 ~ 2 240	2 250 ~ 2 490	2 250 ~ 2 490
1.00	1 720 ~ 1 970	1 980 ~ 2 220	1 980 ~ 2 220	2 230 ~ 2 470	2 230 ~ 2 470
1.05	1 710 ~ 1 950	1 960 ~ 2 220	1 960 ~ 2 220	2 210 ~ 2 450	2 210 ~ 2 450
1.10	1 690 ~ 1 940	1 950 ~ 2 190	1 950 ~ 2 190	2 200 ~ 2 430	2 200 ~ 2 430
1.20	1 670 ~ 1 910	1 920 ~ 2 160	1 920 ~ 2 160	2 170 ~ 2 400	2 170 ~ 2 400
1.25	1 660 ~ 1 900	1 910 ~ 2 130	1 910 ~ 2 130	2 140 ~ 2 380	2 140 ~ 2 380
1.30	1 640 ~ 1 800	1 900 ~ 2 130	1 900 ~ 2 130	2 140 ~ 2 370	2 140 ~ 2 370
1.40	1 620 ~ 1 800	1 870 ~ 2 100	1 870 ~ 2 100	2 110 ~ 2 340	2 110 ~ 2 340



碳素弹簧钢丝

Carbon Spring steel wires

(GB/T4357 70# 65Mn SWRH72A SWRH72B T9A T8MnA)

钢丝公称直径 ^a /mm	抗拉强度 ^b /Mpa				
	SL型	SM型	DM型	SH型	DH ^c 型
1.50	1 600 ~ 1 840	1 850 ~ 2 080	1 850 ~ 2 080	2 090 ~ 2 310	2 090 ~ 2 310
1.60	1 590 ~ 1 820	1 830 ~ 2 050	1 830 ~ 2 050	2 060 ~ 2 290	2 060 ~ 2 290
1.70	1 570 ~ 1 800	1 810 ~ 2 030	1 810 ~ 2 030	2 040 ~ 2 260	2 040 ~ 2 260
1.80	1 550 ~ 1 780	1 790 ~ 2 010	1 790 ~ 2 010	2 020 ~ 2 240	2 020 ~ 2 240
1.90	1 540 ~ 1 760	1 770 ~ 1 990	1 770 ~ 1 990	2 000 ~ 2 220	2 000 ~ 2 220
2.00	1 520 ~ 1 750	1 760 ~ 1 970	1 760 ~ 1 970	1 980 ~ 2 200	1 980 ~ 2 200
2.10	1 510 ~ 1 730	1 740 ~ 1 960	1 740 ~ 1 960	1 970 ~ 2 180	1 970 ~ 2 180
2.25	1 490 ~ 1 710	1 720 ~ 1 930	1 720 ~ 1 930	1 940 ~ 2 150	1 940 ~ 2 150
2.40	1 470 ~ 1 690	1 700 ~ 1 910	1 700 ~ 1 910	1 920 ~ 2 130	1 920 ~ 2 130
2.50	1 460 ~ 1 680	1 690 ~ 1 890	1 690 ~ 1 890	1 900 ~ 2 110	1 900 ~ 2 110
2.60	1 450 ~ 1 660	1 670 ~ 1 880	1 670 ~ 1 880	1 890 ~ 2 100	1 890 ~ 2 100
2.80	1 420 ~ 1 640	1 650 ~ 1 850	1 650 ~ 1 850	1 860 ~ 2 070	1 860 ~ 2 070
3.00	1 410 ~ 1 620	1 630 ~ 1 830	1 630 ~ 1 830	1 840 ~ 2 040	1 840 ~ 2 040
3.20	1 390 ~ 1 600	1 610 ~ 1 810	1 610 ~ 1 810	1 820 ~ 2 020	1 820 ~ 2 020
3.40	1 370 ~ 1 580	1 590 ~ 1 780	1 590 ~ 1 780	1 790 ~ 1 990	1 790 ~ 1 990
3.60	1 350 ~ 1 560	1 570 ~ 1 760	1 570 ~ 1 760	1 770 ~ 1 970	1 770 ~ 1 970
3.80	1 340 ~ 1 540	1 550 ~ 1 740	1 550 ~ 1 740	1 750 ~ 1 950	1 750 ~ 1 950
4.00	1 320 ~ 1 520	1 530 ~ 1 730	1 530 ~ 1 730	1 740 ~ 1 930	1 740 ~ 1 930
4.25	1 310 ~ 1 500	1 510 ~ 1 700	1 510 ~ 1 700	1 710 ~ 1 900	1 710 ~ 1 900
4.50	1 290 ~ 1 490	1 500 ~ 1 680	1 500 ~ 1 680	1 690 ~ 1 880	1 690 ~ 1 880
4.75	1 270 ~ 1 470	1 480 ~ 1 670	1 480 ~ 1 670	1 680 ~ 1 840	1 680 ~ 1 840
5.00	1 260 ~ 1 450	1 460 ~ 1 650	1 460 ~ 1 650	1 660 ~ 1 830	1 660 ~ 1 830
5.30	1 240 ~ 1 430	1 440 ~ 1 630	1 440 ~ 1 630	1 640 ~ 1 820	1 640 ~ 1 820
5.60	1 230 ~ 1 420	1 430 ~ 1 610	1 430 ~ 1 610	1 620 ~ 1 800	1 620 ~ 1 800
6.00	1 210 ~ 1 390	1 400 ~ 1 580	1 400 ~ 1 580	1 590 ~ 1 770	1 590 ~ 1 770
6.30	1 190 ~ 1 380	1 390 ~ 1 560	1 390 ~ 1 560	1 570 ~ 1 750	1 570 ~ 1 750
6.50	1 180 ~ 1 370	1 380 ~ 1 550	1 380 ~ 1 550	1 560 ~ 1 740	1 560 ~ 1 740
7.00	1 160 ~ 1 340	1 350 ~ 1 530	1 350 ~ 1 530	1 540 ~ 1 710	1 540 ~ 1 710
7.50	1 140 ~ 1 320	1 330 ~ 1 500	1 330 ~ 1 500	1 510 ~ 1 680	1 510 ~ 1 680
8.00	1 120 ~ 1 300	1 310 ~ 1 480	1 310 ~ 1 480	1 490 ~ 1 660	1 490 ~ 1 660
8.50	1 110 ~ 1 280	1 290 ~ 1 460	1 290 ~ 1 460	1 470 ~ 1 630	1 470 ~ 1 630
9.00	1 090 ~ 1 260	1 270 ~ 1 440	1 270 ~ 1 440	1 450 ~ 1 610	1 450 ~ 1 610
9.50	1 070 ~ 1 250	1 260 ~ 1 420	1 260 ~ 1 420	1 430 ~ 1 590	1 430 ~ 1 590
10.00	1 060 ~ 1 230	1 240 ~ 1 400	1 240 ~ 1 400	1 410 ~ 1 570	1 410 ~ 1 570
10.50	—	1 220 ~ 1 380	1 220 ~ 1 380	1 390 ~ 1 550	1 390 ~ 1 550
11.00		1 210 ~ 1 370	1 210 ~ 1 370	1 330 ~ 1 530	1 330 ~ 1 530
12.00		1 180 ~ 1 340	1 180 ~ 1 340	1 350 ~ 1 500	1 350 ~ 1 500
12.50		1 170 ~ 1 320	1 170 ~ 1 320	1 330 ~ 1 480	1 330 ~ 1 480
13.00		1 160 ~ 1 310	1 160 ~ 1 310	1 320 ~ 1 470	1 320 ~ 1 470



如何订货 How to order

● 如果您想订购钢丝绳，请向我们提供以下信息

When you want to buy steel wire ropes, Please give us complete information as follows

- 用途 PURPOSE**
钢丝绳的用途。Application of the rope.
- 结构 CONSTRUCTION:**
每股钢丝根数，绳中股的根数及股的结构类型。
Number of strands, number of wires per strand and type of strand construction.
- 型号 SIZE:**
钢丝绳的直径（毫米或英寸）。
Diameter of the rope in mlilimeters or inches.
- 捻向 LAY:**
右交互捻，左交互捻，右同向捻或左同向捻。
Right Regular Lay, Left Regular Lay, Right Land Lay, or Left Land Lay.
- 表面状态 COATING:**
涂塑，光面或镀锌。
Bright (Black,Ungalvanized) or galvanized or PVC coated.
- 中心股类型 TYPE OF CORE:**
纤维芯，金属绳芯或金属股芯。
Fiber Core (FC), Independent Wire Rope Core (IWRC) or Wire Strand Core(WSC).
- 钢丝公称强度级 GRADE OF WIRES:**
钢丝的公称抗拉强度等级。
Tensile Strength of Wires.
- 最小破断拉力 MINIMUM BREAKING LOAD:**
整绳最小破断拉力或计算破断拉力（千牛或磅）。
Minimum Breaking Load in KN or pounds.
- 执行标准 STANDARD:**
产品需要符合或达到的相应标准或要求。
Application of Standards.
- 长度 LENGTH:**
钢丝绳的长度(米或英尺)。
Length in meters or feet.
- 涂油方式 LUBRICATION:**
- 包装方式 PACKING:**
- 数量 QUANTITY:**
- 质量保证 CERTIFICATE:**
是否需要提供工厂质保书或其它质量证书。
Mill Certificate a third partys inspection, if needed.
- 唛头标记 REMARKS:**
装运唛头或其它特殊要求。
Shipping Marks and any other special requirements.