

Create Brand,
Quality is the key to enhance the value,
Detail is the key of trusted!

SHENWEI

STEEL WIRE ROPE
STEEL WIRE



南通神威钢绳有限公司
NANTONG SHENWEI STEEL WIRE ROPE CO., LTD.

南通神威进出口有限公司
NANTONG SHENWEI IMPORT & EXPORT CO., LTD.

诚信 / 创新 / 责任 / 价值
Honesty / Innovate / Liability / Worth

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Company spirit

企业精神

企业精神：
诚信/创新/责任/价值

Philosophy spirit:
Honesty/Innovate/Liability/Worth

诚信 | 创新 | 责任 | 价值 HONESTY, INNOVATION, RESPONSIBILITY, WORTH







以人为本

管理重在细节, 细节决定品质, 品质决定品牌。

People-oriented, management focus on details, details decides the quality and quality decide the brand.

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Company profile

公司简介

依管理夯基础，凭诚信拓市场。

Reinforce the foundation based on management and expand the market with integrity.



南通神威钢绳有限公司是于1994年6月建成投产的现代股份制企业，注册资金888万元，南通市AAA级资信企业，现有固定资产1500余万元，占地面积35000平方米，建筑面积20000平方米，现有职工400多人，其中质量技术人员48人。是钢丝、钢丝绳专业生产厂家。公司拥有拉丝、捻股、合绳、镀锌、热处理等各类生产设备150余台，年生产量达2万余吨，配有十余台质量控制设备监管生产流程保障产品质量。污水处理设施的应用有效达到的保护环境的目的。

为满足企业未来发展的需要，神威钢绳于2001年投巨资建成了现代化专业钢丝制造厂（南通贝斯特钢丝有限公司）。注册资金5000000元。占地面积32000平方米，建筑面积18000平方米，现有职工150人，质量技术人员20余名。年生产量近8000吨，其产品为镀锌钢丝、弹簧钢丝。

公司主要产品为光面及镀锌钢丝，光面钢丝绳，镀锌钢丝绳及钢绞线，涂PVC、尼龙钢丝绳，不锈钢钢丝绳，以及各式的链条等。产品远销北美、

南美、欧洲、非洲、东南亚及中东等地区，国内销售覆盖二十多个省自治区，且产品可按各类标准进行生产如：GB、DIN、EN、ASTM、ISO等，产品质量赢得了国内外用户的一致好评。2000年通昌系列钢丝绳获“江苏市场用户满意产品”。

本公司始终坚持“质量第一、用户至上、开拓创新、诚实守信”的经营方针，积极采用严格的科学管理模式，先后获得和通过了“API认证（证书号：9A-0107）”、“ISO9001:2000质量体系认证”、“CE认证”等荣誉证书。

承蒙各界朋友多年的关怀与厚爱，南通神威钢绳以及下属贝斯特钢丝不断取得了快速发展，在业内外，国内外享有了很高的声誉，在企业未来的发展中，我们将本着“诚信 创新 责任 价值”的理念，愿与天下有识之士谋求双赢和价值共享，共赢各界朋友光临指导、洽谈业务。

Nantong Shenwei Steel Wire Rope Co., Ltd. was established in June 1994 as a modern stock company, with registration capital of 8.88 million. It is a civic “AAA” enterprise with a total area of 35,000m², building area of 20,000m², and fixed assets of 15 million. It owns 400 highly skilled workers and 48 quality technicians. Shenwei Company specializes in the manufacture of steel wire and steel wire rope with an annual yield of nearly 20,000 tons. The plant is equipped with over 150 production apparatus for wire drawing, twisting, jointing, galvanizing and heat-treatment processing. Furthermore, it has more than ten quality control equipment to monitor the production flow and ensure the products quality. Sewage disposal installations are also used to meet the requirements of environment protection.

To meet the needs of future development of enterprise, Shenwei voted heavily to build a modern professional manufacturing facility in 2001 (Nantong Beisite Steel Wire Co., Ltd.). The com. has registration capital of 5 million Yuan, a total area of 32,000m², 150 highly skilled workers, 20 quality technicians, and an annual yield of nearly 80,000 tons. Its main products are spring wire, and galvanized steel wire.

The main products of Shenwei are ungalvanized and galvanized steel wire and steel wire rope & strands, PVC & Nylon coated steel wire rope, stainless steel wire rope, as well as different kinds of chains. The products have not only been

sold well in the domestic market, but also exported to many countries and regions including North America, South America, Europe, Africa, Southeast Asia, Middle East etc. In addition, the products can be produced according to all kinds of standard, such as GB, DIN, EN, ASTM, etc. The product quality is highly appraised and “Tongchang” Brand of steel wire rope has been awarded “Jiangsu Provincial satisfactory product” in 2000.

The company guideline is that “Quality and Customer First, innovation and honest based.” Shenwei has obtained “API certification (License No. 9A-0107)”, “ISO 9001-2008 certification”, “CE certification for steel wire rope sling, chains & chain sling”.

Being indebted of the support and great kindness of friends from all walks of life, Shenwei has achieved fast development and enjoyed high reputation both at home and abroad. During the future development of enterprise, we will hold high the banner of “INTEGRITY, INNOVATION, RESPONSIBILITY AND VALUE”. We wish to seek for win-win business and share value with people of insight. Welcome friends from all over the world for guidance and discussion.



Qualification honor 资质荣誉

管理重在细节，细节决定品质。
Management focuses on details, and details determine quality.



诚信 | 创新 | 责任 | 价值 HONESTY, INNOVATION, RESPONSIBILITY, WORTH

Production workshop 生产车间



品质是企业的灵魂，是鞭策我们不断进步的源动力。

一直以来，为了让我们的产品经得起时间的考验，更耐久、更可靠，我们不断超越自我！

Quality is the soul of company, is the impulsion to drive us forward constantly. From the first we surpass ourselves continuously to make our products stand the test of time more endure more credible.

公司实施科技兴企，不断提高产品质量的同时，获得了诸多荣誉，荣誉是成长的足迹，更是继续开拓的动力。神威人在荣誉面前不淡忘危机意识，奋进路上不松懈前进的步伐。

Our company invigorates business through science and technology. On improving the quality of products continuously, we won many honors. Honor is footprint of growth, as well as the power to drive us to exploit constantly. Shenwei people do not forget crisis awareness in front of the honors, but to march forward ceaselessly.

Production workshop

生产车间

工欲善其事，必先利其器。
If a worker wants to do his job well,
he must first sharpen his tools.



因为专业 我们值得信赖
因为努力 我们做的更好

Professionalism makes us trustworthy
Efforts let us do better.

神威为每一位客户提供一流的质量保证和可靠的安全性能，并随时与用户保持紧密的联系，按照世界各地客户的要求灵活调配工艺、安全组织生产，确保每一笔订单的准确及时交货。

Shenwei provides with top quality guarantee and reliable safety capability to every client, keeps close connect with them at any moment, and adjusts the artworks and organizes safe production as per different requirement from global customers, in order to ensure the delivery on time of each order.

技术和人力资源的不断投入赋予
客户超乎寻常的价值！

Constant input of technology and manpower endows
clients with extraordinary value.



Testing Equipment 检测设备



Our products 我们的产品

创新无止境，打造神威品牌！
Innovation is endless,
creating a Shenwei brand!

我们将品质管理的理念，贯彻到生产的每个环节，从供应商的选择、原材料的采购检验开始做起，以一流的生产技术和严格的质量检测监控程序，回报给客户高质量的钢绳、钢丝产品。

From the choice of supplier and purchase & inspection of raw material, with the first-class production technology and strict quality control process, we transact the idea of quality management into every production link and requite all clients with steel wire rope and steel wire products with high quality.

争做全球高性能优质钢绳钢丝的优秀供应商
To become the world's outstanding supplier with high-quality steel wire rope.



How to order 如何订货

订购钢丝绳，需提供以下信息，*为关键信息

When you want to buy steel wire ropes, please give us information as follow.



钢丝绳主要用途推荐

Purpose: application of the rope

立井提升
vertical well hoisting
cons: 6x19S 6x16W
6x25Fi 6x29Fi 6x26WS
6x31WS 6X36WS
6X41WS

电梯用钢丝绳
lifts/elevator
cons: 6x19S+FC
6X19W+FC 6X25Fi+FC
8X19S+FC 8X19W+FC
8X25Fi+FC 6X36WS+FC
8X19S+IWR 8X19W+IWR
8X25Fi+IWR

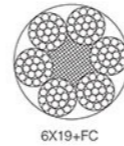
航空用钢丝绳
aircraft/aerospace
controls
cons:6x7+FC 7X7
6X19+FC 7X19

起重机吊篮
hoist basket/nacelle
machine
cons:4x31(ws)+PPC
4x25(Fi)+PPC
4x26(ws)+PPC

渔业拖网
fishing industry
cons: 6x24 6X24S
6X24W 6X19 6X19S
6X19W+FC 6X31WS
6X36WS 6X37 6X37S

其他用途
other application
cons:6x37+IWR
6X12+7FC
6X24+7FC 35X7
19X7 6X19+FC 19X7

* 结构 Construction



1.点接触钢丝绳 Point contact lay steel wire rope:

股中钢丝直径均相同，各层钢丝之间捻角相同，捻距不同，所以内外层钢丝相互交叉，呈点接触状态。

典型结构:6x7, 6x19, 6x37

The diameter of wires in the strand is the same, and the twist Angle between each layer is the same, but the lay length is different, so the adjacent layers of wire cross each other, in the form of point contact.

Typical:6x7,6x19,6x37

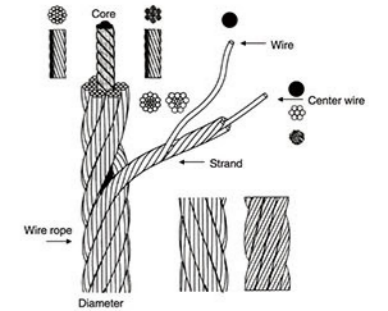
2.线接触钢丝绳 linear contact lay wire rope:

股中各层钢丝的捻距相同捻角不同，内外层钢丝互相接触在一条螺旋线上，呈线接触状态。股由不同直径的钢丝捻制而成。

典型结构:6x19S, 6x19W, 6x36WS, 6X25Fi

Each layer of wire in the strand has the same lay length but different twist Angle. Not only the wire of the same layer is in linear contact form, but also the wire of each adjacent layer is in linear contact. Strands are twisted by different diameters of wire.

Typical:6x19S,6x19W,6x36WS,6X25Fi



6x19+FC(1+6+12):

钢丝绳的每根钢丝直径相同，由6根钢股围绕绳芯-麻芯捻制而成。

每股由19根钢丝捻制而成。一共有:6x19=114根钢丝。

第一步:以一根钢丝为中心,再用6根钢丝围绕其捻制成结构为1x7的股。

第二步:以1x7的钢股为中心,再用12根钢丝围绕其捻制成结构为1x19的股。

最后:用6根1x19的股围绕麻芯捻制成绳,绳结构即为:6x19+FC

The rope is twisted by 6 strands around the fiber core and each strand is twisted by 19 wires. Each wire is in same size, total:114wires

1. Using a steel wire as the core, and 6 wires are wrapped around it to make a strand-1x7
2. Take 1x7 as the core, then twisted 12 wires around it to make a strand-1x19
3. Finally, six strands(1X19) are twisted around the fiber core to make the rope:6x19+FC

8x25Fi+FC(1+6+6F+12):

钢丝绳由8根股绕麻芯捻制而成，每股25根钢丝，一共:8x25=200根钢丝。

股中最外两层钢丝之间以较小直径的钢丝填充。

从而减小了绳内部的摩擦损耗,使绳具有更好的抗挤压和抗疲劳性能。

The rope is twisted by 8 strands around the fiber core and each strand is twisted by 25 wires, total:200wires.

The outermost two layers are filled with smaller diameter steel wire. So the internal friction loss will be reduced, that makes the rope has better resistant to extrusion and fatigue.

点接触与线接触钢丝绳的区别 difference

与线接触钢丝绳相比，点接触钢丝绳较软一些。

由于股中相邻层钢丝之间呈点接触形式，钢丝容易松散，使用时绳中钢丝之间易产生滑动。此外，它还具有较高的弯曲应力以及较差的抗疲劳性能，这些都使绳子的使用寿命较短一些。

而线接触钢丝绳的钢股结构更为紧凑。

因此，钢丝绳工作时可减少股中钢丝之间的滑动，而且其密度较高，扭转后的强度损失小于点接触钢丝绳，这些特性都体现出线接触钢丝绳较长的使用寿命。

当直径，抗拉强度相同时，与点接触钢丝绳相比，线接触钢丝绳的破断拉力更高，可以承载更多的重量。

据此特性，线接触钢丝绳在立井提升，电梯绳，吊篮用钢丝绳，不同用途的起重机等多领域中得到广泛应用。

Compared with linear contact lay steel wire rope, the point contact one is softer. Due to the contact form between the adjacent layers of wire in the strand is point contact, the structure of strand is easy to loose. Besides, its bending stress is high and fatigue resistance is worse. All of these lead to its shorter service life.

While the strand structure of linear contact lay wire rope is tighter. So the sliding between the wires in the strand can be reduced when it is working, this shows its longer service life. Moreover, its density is higher and the strength loss after twisting is less than the point contact one.

When in same diameter and tensile strength, it has higher breaking load, which can carry more weight than the point contact one. So according to the characteristics of the linear contact wire rope. It is widely used in: vertical well hoisting, elevators, hoist basket, different kinds of cranes and so on.

How to order 如何订货

* 钢丝绳表面处理, 材质 Coating/Surface

发黑 或光面
Bright / Black or Ungalvanized



镀锌 / 热镀锌或电镀锌
Galvanized / Hot dipped galvanized or Electric galvanized



涂塑 PVC PE PA
Coated / PVC PE PA



不锈钢 / 材料:304 316 316L
Stainless / MATERIAL:304 316 316L



镀锌钢丝绳分类 Galvanized

热镀锌钢丝绳 Hot dipped galvanized:

是将除锈后的钢件浸入融化的锌液中,使钢件表面附着锌层,从而起到防腐的目的。与电镀锌相比,具有更强的防锈、耐腐蚀能力,镀锌层更厚,使用寿命更长且由于表面有锌铁合金层,颜色要发乌一些。

Immerse the wire which has been derusted into the molten zinc solution to coat the surface with zinc.

Compared with the electric galvanized one, it is more antirust and corrosion-resistant and has thicker zinc-coat which all lead to a longer service life.

例:6x19+FC-12.7mm(钢丝的公称直径为0.81mm),
当其电镀锌时,镀锌层重量为10-15g/mm²。
当其热镀锌时,镀锌层的最小重量会因标准的不同而有所区别:

ISO2408-2004: B级镀锌层的最小重量为60g/mm²;
GB/T 20118-2006: B级为66g/mm²;
BS EN 10264-2:20 2012中:B级为75g/mm²;
API SPEC 9A: B级为60g/mm²。

电镀锌钢丝绳 Electric galvanized:

利用电解,在钢件表面形成均匀、致密、结合良好的金属或合金沉积层。由于钢件表面没有发生化学反应所以还是锌的本色,看上去颜色较亮。其生产工艺稍简单,成本比热镀锌的低。

Coat the zinc layer by electricity through an external power source. There is no chemical reaction on its surface, so it is still the natural color of zinc, which looks brighter than the hot dipped one. Its cost is lower than the hot dipped one due to the simpler production process.

For example, 6x19+FC-12.7mm(nominal diameter of wire is 0.81mm), when it is electric galvanized, the thickness of the zinc-coat is only 10-15g/mm². However when it is a hot dipped one, the minimum mass of zinc coating will vary by different standards as below:

In ISO2408-2004, the minimum mass of zinc coating is 60g/mm² in class B.
In GB/T 20118-2006: it's 66g/mm² in Class B.
In BS EN 10264-2:20 2012: it's 75g/mm² in Class B.
In API SPEC 9A: it's 60g/mm² in Class B.

* 绳芯类型 Type of core

纤维芯
Fiber Core

黄麻芯 JC(jute core):

较之剑麻芯更为柔软,成本更低
Softer, lower cost

剑麻芯 SC(sisal core):

较之黄麻芯有更高的强度以及更好的抗腐蚀性
High strength, corrosion resistance

塑料芯 PPC(plastic core):

良好的耐腐蚀性、耐高压性
Good corrosion resistance, high pressure resistance

钢芯
Steel Core

绳芯(IWRC):

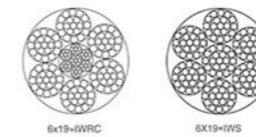
是一根结构为7X7=6x7+IWSC的钢丝绳
is an independent steel wire rope:6X7+IWSC=7X7

股芯(IWSC):

股芯的结构和钢丝绳其他的钢股一样
例: 6x19+IWSC,股芯结构为1x19,
而其他6根股的结构也为:1x19
The construction of steel core is same as other strands.
For example: 6x19+IWSC, the construction of steel core is 1x19, which is same as other 6 strands.

麻芯与钢芯的区别

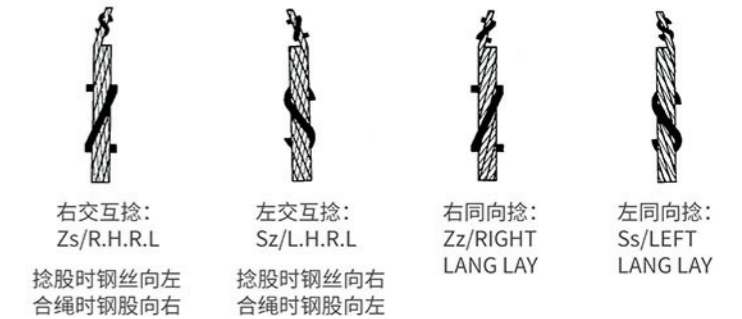
Difference between fiber core and steel core:



在相同结构和直径的前提下,钢芯钢丝绳的每米重量和最小破断拉力均高于纤维芯钢丝绳。此外,它具有较高的耐磨性、抗挤压性,使用寿命更长。但纤维芯绳更柔软,成本更低。

Under the premise of the same construction and diameter, the weight of per meter and the MBL of the rope with steel core are higher than the rope with fiber core. Besides, it is more wear-resistant, anti-extrusion, which lead to a longer service life. But the fiber core rope is more softer and flexibler, the cost is lower.

* 钢丝绳的捻向 Lay direction



交互捻与同向捻的区别 Difference:

当绳子与股的捻制方向相反时:

- 1.表面钢丝支撑面积小,摩擦损耗大,易造成表面钢丝断裂。
- 2.钢丝在扭曲时变形大,柔韧性差。在使用中,钢丝易受到很大的弯曲应力。
- 3.优点:使用时钢丝不易松脱,绳索不易旋转。

When the rope is twisted in the opposite direction to the strand:

- 1.The supporting area of the surface steel wire is small and the friction loss is big, which cause the surface wires to break easily.
- 2.The deformation of wires is large when it is twisted,the flexibility is poor. When in use,wires are subjected to large bending stress.
- 3.Advantages:Steel wires are not easy to loose and the rope is not easy to rotate when using.

当绳子与股的捻制方向相同时:

同向捻的绳子很容易旋转,钢丝很容易松开。但它具有良好的耐磨性、抗弯疲劳性以及柔韧性,这些都使其有一个较长的使用寿命。

When the rope and strands are twisted in the same direction:

It has good wear resistance, bending fatigue resistance and flexibility, these all contribute to a longer service life. But this type of rope rotates easily and its wires are easy to loose.

* 涂油方式 Lubrication

主要针对光面钢丝绳 Ungalvanized:



A-1:股涂薄油,涂黄色表面脂(均匀涂油,表面干净)
STRANDS SLIGHTLY GREASED, YELLOW GREASE

A-2:股涂油,涂黄色表面脂
STRANDS GREASED, YELLOW GREASE

A-3:股厚涂油,涂黄色表面脂
STRANDS HEAVY GREASED, YELLOW GREASE

C-type:股涂油,涂黑色沥青油
STRANDS GREASED, BLACK ASPHALT GREASE

股涂油,涂电梯绳专用油
STRANDS GREASED, SPECIAL GREASE FOR ELEVATOR ROPE

其他询价相关信息 Other relevant information

抗拉强度: Tensile Strength: 1570MPa-1960MPa PS-EIPS

最小破断拉力(千牛或磅): Minimum breaking load: in KN or pounds

长度 length(米或英尺): In meters or feet

标准 standard: GB, DIN, ISO, EN, JIS, BS, ASTM

*包装 package(主要根据单卷绳长以及客户要求): According to length of per reel and customer's request

质保书以及唛头(据客户要求而定): Mill certificate and shipping marks

钢丝绳重量系数和最小破断拉力系数

Wire rope and the minimum weight coefficient breaking strength coefficient

组别	类别	钢丝绳重量系数 K			K ₂ /K _{1n}	K ₂ /K _{1p}	最小破断拉力系数 K'		K ₂ '/K ₁ '
		天然纤维 芯钢丝绳	合成纤维 芯钢丝绳	钢芯 钢丝绳			纤维芯 钢丝绳	钢芯 钢丝绳	
		K _{1n}	K _{1p}	K ₂			K ₁ '	K ₂ '	
		kg/100m.mm ²							
1	6x7	0.351	0.344	0.387	1.10	1.12	0.332	0.359	1.08
2	6x19(a)	0.380	0.371	0.418	1.10	1.13	0.330	0.356	1.08
3	6x37(a)								
4	6x19(b)	0.346	0.337	0.381	1.10	1.13	0.307	0.332	1.08
3	6x37(b)	0.346	0.337	0.381	1.10	1.13	0.295	0.319	1.08
4	8x19	0.357	0.344	0.435	1.22	1.26	0.293	0.346	1.18
5	8x37								
6	17x7	0.390			--	--	0.328		--
7	34x7	0.390			--	--	0.318		--
8	6x24	0.318	0.304	--	--	--	0.280	--	--

注:

- 在2组a类和4组钢丝绳中,当股内钢丝的数目为19根或19根以下时,重量系数应比表中所列的数小3%;
- 在8组钢丝绳中,股为等捻距结构钢丝绳的重量系数和最小破断拉力系数,应分别比表中所列的数大4%;
- K_{1p}重量系数是对聚丙烯纤维芯钢丝绳而言。

1、近似重量计算

$$公式: M = Kd^2$$

式中 M 钢丝绳单位近似重量kg/100m

d 钢丝绳公称直径mm

k 充分涂油某一机构钢丝绳的单位长度重量系数

2、整绳破断拉力计算

$$公式: F_0 = \frac{K_1 \cdot d_2 \cdot R_0}{1000}$$

式中 F₀ 钢丝绳最小破断拉力KN

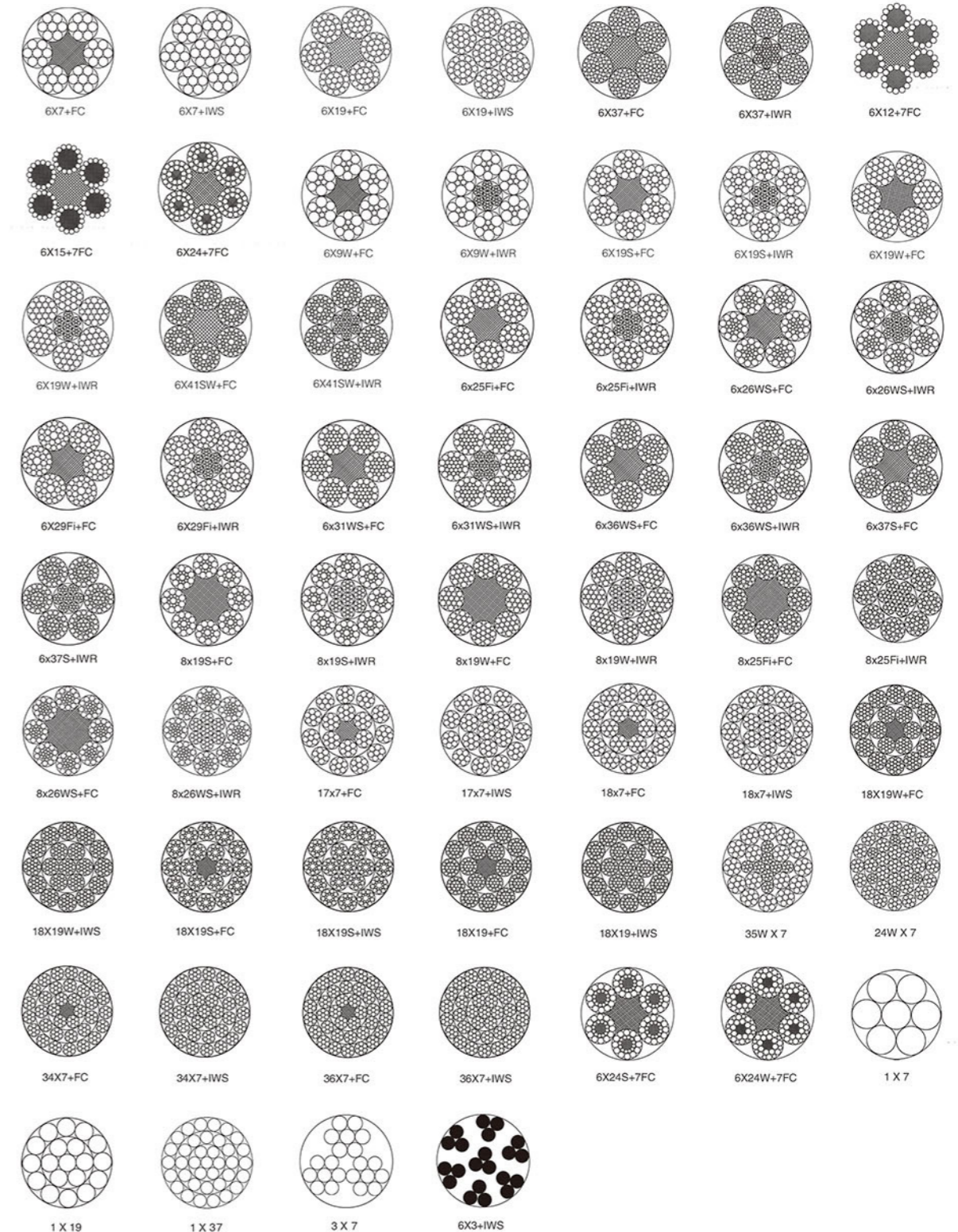
d 钢丝绳公称直径mm

R₀ 钢丝绳公称抗拉强度Mpa

K' 某指定机构钢丝绳的最小破断拉力系数

钢丝绳典型结构截面图

typical cross sections of steel rope & strand



钢丝绳主要用途推荐表 (GB/T20118-2006)

recommendation form of wire rope application

用途 application	名称 name	结构 construction	规格 specification	备注 comments
立井提升 vertical well hoisting purposes	线接触钢丝绳 linear contact lay wire rope	6X19S 6X19W 6X25Fi 6X29Fi 6X26WS 6X31WS 6X36WS 6X41WS	见标准 see standards	推荐同向捻 recommend lang's lay
	多层股钢丝绳 multi-strand rope	18X7 17X7	见标准 see standards	用于钢丝绳罐道的立井 suitable for rope guide
开凿立井提升 (建井用) well purposes for excavating and hoisting	多层股钢丝绳及 异型股钢丝绳 multi-strand rope shaped strand wire ropes	17X7 18X7 34X7 36X7	见标准 see standards	
立井平衡绳 blanced wire to well	扁钢丝绳 flat ropes	6X4X7 8X4X7 8X4X9 8X4X19	见标准 see standards	
	钢丝绳 wire rope	6X37 6X37S 6X36WS	见标准 see standards	仅适用于交互捻 only suitable for regular lay
	多层股钢丝绳 multi-strand rope	17X7 18X7 34X7 36X7	见标准 see standards	
斜井卷扬 (绞车) for winch purposes	钢丝绳 wire rope	6TX7 见面接触钢丝绳标准 see the standards of facial contacted wire rope	见标准 see standards	
		6X7 6X9W	见标准 see standards	推荐同向捻 recommend lang's lay
高炉卷扬 hoisting to inclined well	线接触钢丝绳 linear contact lay wire rope	6X19S 6X25Fi 6X29Fi 6X26WS 6X31WS 6X36WS 6X41WS	见标准 see standards	
立井罐道 及索道承重 bearing to tank and cableway	密封钢丝绳 full-lock coil ropes	见密封钢丝绳标准 see the standards of full-lock coil ropes	见标准 see standards	
	多层股钢丝绳 multi-strand rope	18X7 17X7	见标准 see standards	推荐同向捻 recommend lang's lay
	钢丝绳 wire rope	6X7	见标准 see standards	推荐同向捻 recommend lang's lay
露天斜坡卷扬 hoisting to slope	线接触钢丝绳 linear contact lay wire rope	6X36WS 6X37S 6X41WS 6X49SWS 6X55WS	见标准 see standards	推荐同向捻 recommend lang's lay
石油钻井 for petroleum drilling purposes	线接触钢丝绳 linear contact lay wire rope	6X19S 6X19W 6X25Fi 6X29Fi 6X26WS 6X31WS 6X36WS	见标准 see standards	也可采用钢芯 also can use steel core
皮带输送机及 索道牵引、缆车 rubber belt conveyer, cableway	线接触钢丝绳 linear contact lay wire rope	6X19S 6X19W 6X25Fi 6X29Fi 6X26WS 6X31WS 6X36WS 6X41WS	见标准 see standards	推荐同向捻 recommend lang's lay
挖掘机 (电铲卷扬) Excavator (winch power shovel)	线接触钢丝绳 linear contact lay wire rope	6X19S+IWR 6X25Fi+IWR 6X19W+IWR 6X29Fi+IWR 6X26WS+IWR 6X31SW+IWR 6X36SW+IWR 6X55SWS+IWR 6X49SWS+IWR	见标准 see standards	推荐同向捻 recommend lang's lay
渔业拖网 fishing industry	钢丝绳 wire rope	6X24 6X24S 6X24W 6X19 6X19S 6X19W 6X31WS 6X36WS 6X37 6X37S	见标准 see standards	镀锌 zinc coated
捆绑 lashing	钢丝绳 wire rope	6X24 6X24S 6X24W	见标准 see standards	

用途 use	名称 name	结构 construction	规格 specification	备注 comments
起重 crane purpose	大型浇铸 / 吊 车 large-scale casting, for cranes purposes	线接触钢丝绳 linear contact lay wire rope	6X19S+IWR 6X19W+IWR 6X25Fi+IWR 6X36WS+IWR 6X41WS+IWR	见标准 see standards
	港口装卸和建筑用 塔式起重机 port loading and unloading and construction purposes, for tower crane purposes	多层股钢丝绳 multi-strand rope	18X19 18X19S 18X19W 34X7 36X7	见标准 see standards
	其他用途 other application	线接触钢丝绳 linear contact lay wire rope	6X19S 6X19W 6X25Fi 6X29Fi 6X26WS 6X31WS 6X36WS 6X37S 6X41WS 6X49WS 6X55SWS 8X19S 8X19W 8X25Fi 8X19S 8X31WS 8X36WS 8X41WS 8X49WS 8X55SWS	见标准 see standards
		点接触钢丝绳 point contact wire rope	6X19 6X37	见标准 see standards
热移钢机 (轧钢推钢台) heat moving steel machine (moving steel platform)	线接触钢丝绳 linear contact lay wire rope	6X19S+IWR 6X19W+IWR 6X25Fi+IWR 6X29Fi+IWR 6X31WS+IWR 6X37S+IWR 6X36WS+IWR	见标准 see standards	
	点接触钢丝绳 point contact wire rope	6X19+IWR	见标准 see standards	
船舶装卸 boat loading and unloading	线接触钢丝绳 linear contact lay wire rope	6X24S 6X24W 6X19S 6X19W 6X25Fi 6X29Fi 6X31WS 6X36WS 6X37S	见标准 see standards	镀锌 zinc coated
	点接触钢丝绳 point contact wire rope	6X19 6X37	见标准 see standards	镀锌 zinc coated
拖船、货网 浮运木材 towboat and loading net, logging purposes	钢丝绳 wire ropes	6X24 6X24S 6X24W 6X37 6X31WS 6X36WS 6X37S	见标准 see standards	镀锌 zinc coated
船舶张拉桅杆及吊杆 fishing boat	钢丝绳 wire ropes	6X7+IWS 6X19+IWR 6X19S+IWR	见标准 see standards	镀锌 zinc coated
打捞沉船 salvaging sunken vessels	钢丝绳 wire ropes	6X37 6X37S 6X36SW 6X41WS 6X49SWS 6X31WS 8X19S 8X19W 8X31SW 8X36WS 8X41WS 8X49SWS	见标准 see standards	镀锌 zinc coated

注:

1. 腐蚀是主要报废原因时, 应采用镀锌钢丝绳;
2. 钢丝绳工作时, 终端不能自由旋转, 或虽有反拔力, 但不能相互绞合在一起的工作场合, 应采用同向捻钢丝绳。

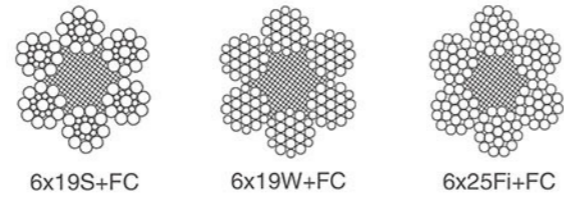
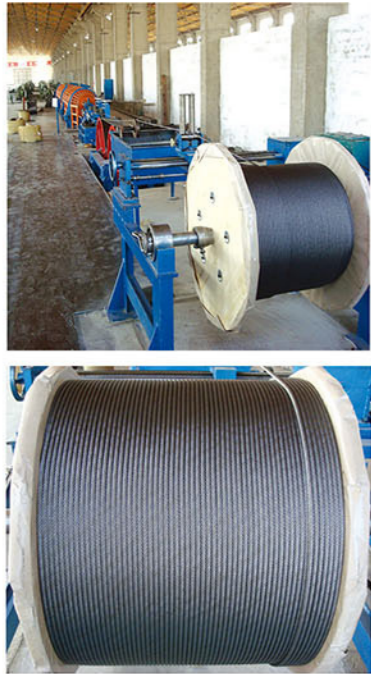
note:

1. If the corrosion is main reason of useless, please adopt galvanized wire rope.
2. When wire rope in working condition, the ends can't rotate by itself, or can't twist together although anti-turning force, pls use the ropes in L.H.L.L. or R.H.L.L.

电梯用钢丝绳
steel wire rope for lifts

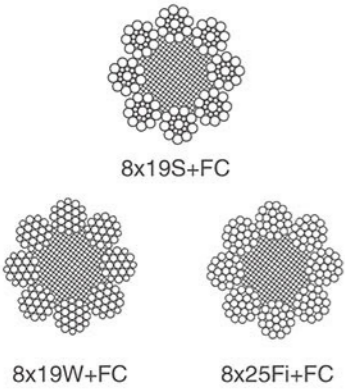
力学性能
mechanical property

执行标准(standard): GB8903-2005
和各电梯公司采购要求
purchase request of different
elevator company.
结构(construction): 股



钢丝绳 公称直径 nominal diameter	参考重量 approximate weight	最小破断拉力 /KN min.breaking strength						
		双强度 /Mpa double strength			单强度 /Mpa single strength			
mm	kg/100m	1180/1770	1320/1620	1370/1770	1570/1770	1570	1620	1770
6	12.9	16.3	16.8	17.8	19.5	18.7	19.2	21.0
6.3	14.2	17.9	-	-	21.5	-	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	54.3	59.9	65.5	62.7	64.7	70.7
12	51.7	65.1	62.0	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	-	-	111	-	-	119
15	80.8	102	-	111	122	117	-	131
16	91.9	116	119	127	139	133	137	150
17.5	110	138	-	-	166	-	-	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	-	-	230	-	-	248
22	174	219	225	240	262	251	259	283

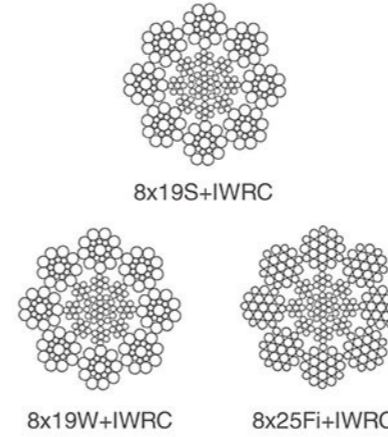
8	21.8	25.7	26.5	28.1	30.8	29.4	30.4	33.2
9	27.5	32.5	-	35.6	38.9	37.3	-	42.0
9.5	30.7	36.2	37.3	39.7	43.6	41.5	42.8	46.8
10	34.0	40.1	41.3	44.0	48.1	46.0	47.5	51.9
11	41.1	48.6	50.0	53.2	58.1	55.7	57.4	62.8
12	49.0	57.8	59.5	63.3	69.2	66.2	68.4	74.7
12.7	54.8	64.7	66.6	70.9	77.5	74.2	76.6	83.6
13	57.5	67.8	69.8	74.3	81.2	77.7	80.2	87.6
14	66.6	78.7	81.1	86.1	94.2	90.2	93.0	102
14.3	69.5	82.1	-	-	98.3	-	-	-
15	76.5	90.3	-	98.9	108	104	-	117
16	87.0	103	106	113	123	118	122	133
17.5	104	123	-	-	147	-	-	-
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	-	-	204	-	-	-
22	165	194	200	213	233	223	230	251



电梯用钢丝绳
steel wire rope for lifts

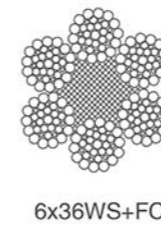
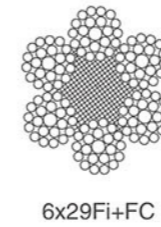
力学性能
mechanical property

执行标准(standard): GB8903-2005
和各电梯公司采购要求
purchase request of different
elevator company.
结构(construction): 股



钢丝绳 公称直径 nominal diameter	参考重量 approximate weight	最小破断拉力 /KN min.breaking strength				
		双强度 /Mpa double strength			单强度 /Mpa single strength	
mm	kg/100m	1180/1770	1370/1770	1570/1770	1570	1770
8	26.0	33.6	35.8	38.0	35.8	40.3
9	33.0	42.5	45.3	48.2	45.3	51.0
9.5	36.7	47.4	50.4	53.7	50.4	56.9
10	40.7	52.5	55.9	59.5	55.9	63.0
11	49.2	63.5	67.6	71.9	67.6	76.2
12	58.6	75.6	80.5	85.6	80.5	90.7
12.7	65.6	84.7	90.1	95.9	90.1	102
13	68.8	88.7	94.5	100	94.5	105
14	79.8	102	110	117	110	124
15	91.6	118	126	134	126	142
16	104	134	143	152	143	161
18	132	170	181	193	181	201
19	147	190	202	216	202	227
20	163	210	224	238	224	252
22	197	254	271	288	271	305

钢丝绳 公称直径 nominal diameter	参考重量 approximate weight	钢丝绳类别 category	最小破断拉力 /KN min.breaking strength		
			1570 Mpa	1770 Mpa	1960 Mpa
mm	kg/100m				
24	211	6x36 类别 (包括6x36WS和6x29Fi)	298	336	373
25	229		324	365	404
26	248		350	395	437
27	268		378	426	472
28	288		406	458	507
29	309		436	491	544
30	330		466	526	582
31	353		498	561	622
32	376		531	598	662
33	400		564	636	704
34	424		599	675	748
35	450		635	716	792
36	476		671	757	838
37	502		709	800	885
38	530		748	843	934



航空用钢丝绳

steel wire rope for aerospace control

执行标准(standard): YB/T5197-2005

结构(construction): 股

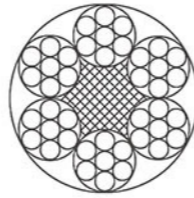
● 适用于重要机械和仪器。

apply to the major machinery and equipment.

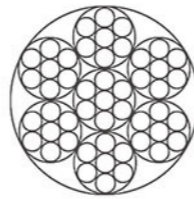
力学性能

mechanical property

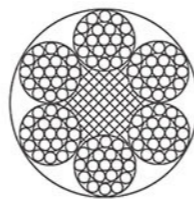
钢丝绳直径 diameter mm		钢丝绳公称 抗拉强度(MPa) nominal tensile strength	钢丝绳最小 破断拉力(KN) minimun breaking load	参考重量 approximate weight kg/100m
公称直径 mm nominal diameter	允许偏差 % allowed tolerance			
6x7+FC纤维芯绳				
1.8	+10 0	1 960	2.3	1.40
2.15	+8 0	1 960	3.3	2.00
2.5			4.5	2.70
3.05			6.3	4.00
3.6	+7 0	1 870	8.7	5.50
4.1			10.4	7.00
4.5			12.8	8.70
5.4	1 670	17.5	12.50	
6x7+IWS金属股芯绳				
1.8	+10 0	1 870	2.5	1.50
2.15	+8 0		3.6	2.20
2.5			5.0	3.00
3.05			7.3	4.40
3.6	10.1		6.20	
4.5	+7 0	1 770	15.0	9.60
5.4		1 670	20.4	13.80
6x19+FC纤维芯绳				
3	+8 0	2 060	6.3	3.80
3.3			6.5	4.50
3.6			7.8	5.40
4.2	+7 0	1 770	10.6	7.40
4.8			12.9	9.00
5.1			15.6	10.90
6.2	1 670	20.3	15.00	
6x19+IWS金属股芯绳				
3	+8 0	2 060	7.3	4.20
3.2		2 160	8.9	4.30
3.6		9.1	6.00	
4.2	+7 0	1 770	12.3	8.20
5.1			18.2	12.10
6			23.7	16.70
7.5	+5 0	1 670	37.1	26.00
8.25			44.9	32.00
9			53.4	37.60
9.75			62.6	44.10



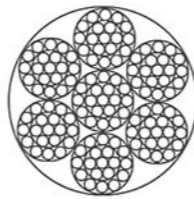
6X7+FC



6X7+IWS



6X19+FC



6X19+IWS

圆股钢丝绳 [光面和镀锌]

steel wire rope (ungalvanized and galvanized)

力学性能

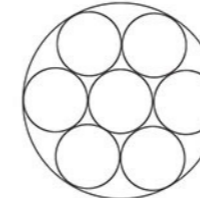
mechanical property

单股绳类/single rope

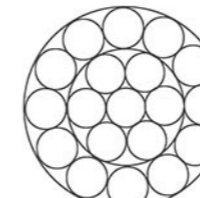
执行标准(standard):

GB/T 20118-2006

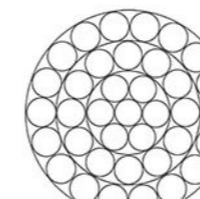
结构(construction): 股



1X7



1X19



1X37

公称直径/mm nominal diameter	参考重量/(kg/100m) approximate weight	钢丝绳公称抗拉强度(MPa) nominal tensile strength			
		1 570	1 670	1 770	1 870
		钢丝绳最小破断拉力(KN) minimun breaking load			
1.2	0.75	1.22	1.30	1.38	1.45
1.8	1.69	2.75	2.92	3.10	3.27
2.4	3.01	4.88	5.19	5.51	5.82
3	4.70	7.63	8.12	8.60	9.09
3.6	6.77	11.0	11.7	12.4	13.1
4.2	9.21	15.0	15.9	16.9	17.8
4.5	10.6	17.2	18.3	19.4	20.4
5.1	13.6	22.1	23.5	24.9	26.3
6	18.8	30.5	32.5	34.4	36.4
7.2	27.1	43.9	46.7	49.5	52.3
9	42.3	68.7	73.0	77.4	81.8
10.5	57.6	93.5	99.4	105	111
11.5	69.0	112	119	126	134
12	75.2	122	130	138	145

注1: 最小钢丝破断拉力总和=钢丝绳最小破断拉力×1.111。

公称直径/mm nominal diameter	参考重量/(kg/100m) approximate weight	钢丝绳公称抗拉强度(MPa) nominal tensile strength			
		1 570	1 670	1 770	1 870
		钢丝绳最小破断拉力(KN) minimun breaking load			
1	0.51	0.83	0.89	0.94	0.99
2	2.03	3.33	3.54	3.75	3.96
3	4.56	7.49	7.97	8.44	8.92
4	8.11	13.3	14.2	15.0	15.9
5	12.7	20.8	22.1	23.5	24.8
6	18.3	30.0	31.9	33.8	35.7
7	24.8	40.8	43.4	46.0	48.6
8	32.4	53.2	56.6	60.0	63.4
9	41.1	67.4	71.7	76.0	80.3
10	50.7	83.2	88.6	93.8	99.1
11	61.3	101	107	114	120
12	73.0	120	127	135	143
13	85.7	141	150	159	167
14	99.4	163	173	184	194
15	114	187	199	211	223

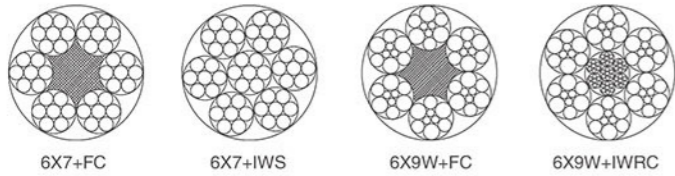
注1: 最小钢丝破断拉力总和=钢丝绳最小破断拉力×1.111。

公称直径/mm nominal diameter	参考重量/(kg/100m) approximate weight	钢丝绳公称抗拉强度(MPa) nominal tensile strength			
		1 570	1 670	1 770	1 870
		钢丝绳最小破断拉力(KN) minimun breaking load			
1.4	0.98	1.51	1.60	1.70	1.80
2.8	3.93	6.03	6.42	6.80	7.18
3.5	6.14	9.42	10.0	10.6	11.2
4.9	12.0	18.5	19.6	20.8	22.0
5.6	15.7	24.1	25.7	27.2	28.7
7	24.5	37.7	40.1	42.5	44.9
8.4	35.4	54.3	57.7	61.2	64.7
9.8	48.1	73.9	78.6	83.3	88.0
11	60.6	93.1	99.0	105	111
12	72.1	111	118	125	132
14	98.2	151	160	170	180
17	145	222	236	251	265
18	162	249	265	281	297
21	221	339	361	382	404

注1: 最小钢丝破断拉力总和=钢丝绳最小破断拉力×1.176。

圆股钢丝绳 [光面和镀锌]

steel wire rope (ungalvanized and galvanized)



执行标准(standard): GB/T 20118-2006
结构(construction): 股

● 适用于各种缆车、钢丝绳皮带输送机、索道牵引和斜井卷扬。
for various kind of cable car, belt cinveyer, cable way drawing and slope well winching.

力学性能

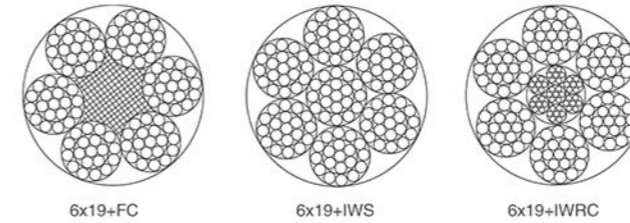
mechanical property

钢丝绳公称直径 diameter (mm)	参考重量(kg/100m) approximate weight			钢丝绳公称抗拉强度(MPa) nominal tensile strength													
				1570		1670		1770		1870							
	天然纤维芯 NF			合成纤维芯 SF			钢芯 IWR IWS			钢丝绳最小破断拉力(KN) mininum breaking load							
										纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS
1.8	1.14	1.11	1.25	1.69	1.83	1.80	1.94	1.90	2.06	2.01	2.18						
2	1.40	1.38	1.55	2.08	2.25	2.22	2.40	2.35	2.54	2.48	2.69						
3	3.16	3.10	3.48	4.69	5.07	4.99	5.40	5.29	5.72	5.59	6.04						
4	5.62	5.50	6.19	8.34	9.02	8.87	9.59	9.40	10.2	9.93	10.7						
5	8.78	8.60	9.68	13.0	14.1	13.9	15.0	14.7	15.9	15.5	16.8						
6	12.6	12.4	13.9	18.8	20.3	20.0	21.6	21.2	22.9	22.4	24.2						
7	17.2	16.9	19.0	25.5	27.6	27.2	29.4	28.8	31.1	30.4	32.9						
8	22.5	22.0	24.8	33.4	36.1	35.5	38.4	37.6	40.7	39.7	43.0						
9	28.4	27.9	31.3	42.2	45.7	44.9	48.6	47.6	51.5	50.3	54.4						
10	35.1	34.4	38.7	52.1	56.4	55.4	60.0	58.8	63.5	62.1	67.1						
11	42.5	41.6	46.8	63.1	68.2	67.1	72.5	71.1	76.9	75.1	81.2						
12	50.5	49.5	55.7	75.1	81.2	79.8	86.3	84.6	91.5	89.4	96.7						
13	59.3	58.1	65.4	88.1	95.3	93.7	101	99.3	107	105	113						
14	68.8	67.4	75.9	102	110	109	118	115	125	122	132						
16	89.9	88.1	99.1	133	144	142	153	150	163	159	172						
18	114	111	125	169	183	180	194	190	206	201	218						
20	140	138	155	208	225	222	240	235	254	248	269						
22	170	166	187	252	273	268	290	284	308	300	325						
24	202	198	223	300	325	319	345	338	366	358	387						
26	237	233	262	352	381	375	405	397	430	420	454						
28	275	270	303	409	442	435	470	461	498	487	526						
30	316	310	348	469	507	499	540	529	572	559	604						
32	359	352	396	534	577	568	614	602	651	636	687						
34	406	398	447	603	652	641	693	679	735	718	776						
36	455	446	502	676	730	719	777	762	824	805	870						

注1: 最小钢丝绳破断拉力总和=钢丝绳最小破断拉力×1.134 (纤维芯)或1.214 (钢芯)。

圆股钢丝绳 [光面和镀锌]

steel wire rope (ungalvanized and galvanized)



执行标准(standard): GB/T 20118-2006
结构(construction): 股

● 适用于起重吊装、热移钢机, 起重机械、渔业拖网。
for lifting machine, fish net dragging, heat steel-moving machine.

力学性能

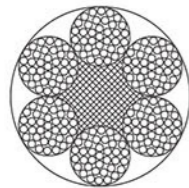
mechanical property

钢丝绳公称直径 diameter (mm)	参考重量(kg/100m) approximate weight			钢丝绳公称抗拉强度(MPa) nominal tensile strength													
				1 570		1 670		1 770		1 870							
	天然纤维芯 NF			合成纤维芯 SF			钢芯 IWR IWS			钢丝绳最小破断拉力(KN) mininum breaking load							
										纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS
3	3.16	3.10	3.60	4.34	4.69	4.61	4.99	4.89	5.29	5.17	5.59						
4	5.62	5.50	6.40	7.71	8.34	8.20	8.87	8.69	9.40	9.19	9.93						
5	8.78	8.60	10.0	12.0	13.0	12.8	13.9	13.6	14.7	14.4	15.5						
6	12.6	12.4	14.4	17.4	18.8	18.5	20.0	19.6	21.2	20.7	22.4						
7	17.2	16.9	19.6	23.6	25.5	25.1	27.2	26.6	28.8	28.1	30.4						
8	22.5	22.0	25.6	30.8	33.4	32.8	35.5	34.8	37.6	36.7	39.7						
9	28.4	27.9	32.4	39.0	42.2	41.6	44.9	44.0	47.6	46.5	50.3						
10	35.1	34.4	40.0	48.2	52.1	51.3	55.4	54.4	58.8	57.4	62.1						
11	42.5	41.6	48.4	58.3	63.1	62.0	67.1	65.8	71.1	69.5	75.1						
12	50.5	50.0	57.6	69.4	75.1	73.8	79.8	78.2	84.6	82.7	89.4						
13	59.3	58.1	67.6	81.5	88.1	86.6	93.7	91.8	99.3	97.0	105						
14	68.8	67.4	78.4	94.5	102	100	109	107	115	113	122						
16	89.9	88.1	102	123	133	131	142	139	150	147	159						
18	114	111	130	156	169	166	180	176	190	186	201						
20	140	138	160	193	208	205	222	217	235	230	248						
22	170	166	194	233	252	248	268	263	284	278	300						
24	202	198	230	278	300	295	319	313	338	331	358						
26	237	233	270	326	352	346	375	367	397	388	420						
28	275	270	314	378	409	402	435	426	461	450	487						
30	316	310	360	434	469	461	499	489	529	517	559						
32	359	352	410	494	534	525	568	557	602	588	636						
34	406	398	462	557	603	593	641	628	679	664	718						
36	455	446	518	625	676	664	719	704	762	744	805						
38	507	497	578	696	753	740	801	785	849	829	896						
40	562	550	640	771	834	820	887	869	940	919	993						
42	619	607	706	850	919	904	978	959	1 040	1 010	1 100						
44	680	666	774	933	1 010	993	1 070	1 050	1 140	1 110	1 200						
46	743	728	846	1 020	1 100	1 080	1 170	1 150	1 240	1 210	1 310						

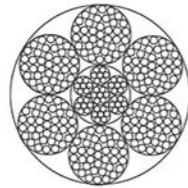
注: 最小钢丝绳破断拉力总和 = 钢丝绳最小破断拉力 × 1.226 (纤维芯) 或 1.321 (钢芯)。

圆股钢丝绳 [光面和镀锌]

steel wire rope (ungalvanized and galvanized)



6X37+FC



6X37+IWRC

执行标准(standard):GB/T 20118-2006
结构(construction):股

● 适用于立井平衡绳、起重机械、船舶装卸、打捞沉船、渔业拖网、起重吊装。
for vertical well balance, loading and unloading of ship, fish net dragging and salvaging sunken ship.

力学性能

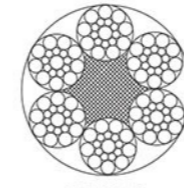
mechanical property

钢丝绳公称直径 nominal diameter (mm)	参考重量(kg/100m) approximate weight			钢丝绳公称抗拉强度(MPa) nominal tensile strength								
				1 570		1 670		1 770		1 870		
	天然纤维芯 NF	合成纤维芯 SF	钢芯 IWR IWS	钢丝绳最小破断拉力(KN) minimum breaking load								
			纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS
5	8.65	8.43	10.0	11.6	12.5	12.3	13.3	13.1	14.1	13.8	14.9	
6	12.5	12.1	14.4	16.7	18.0	17.7	19.2	18.8	20.3	19.9	21.5	
7	17.0	16.5	19.6	22.7	24.5	24.1	26.1	25.6	27.7	27.0	29.2	
8	22.1	21.6	25.6	29.6	32.1	31.5	34.1	33.4	36.1	35.3	38.2	
9	28.0	27.3	32.4	37.5	40.6	39.9	43.2	42.3	45.7	44.7	48.3	
10	34.6	33.7	40.0	46.3	50.1	49.3	53.3	52.2	56.5	55.2	59.7	
11	41.9	40.8	48.4	56.0	60.6	59.6	64.5	63.2	68.3	66.7	72.2	
12	49.8	48.5	57.6	66.7	72.1	70.9	76.7	75.2	81.3	79.4	85.9	
13	58.5	57.0	67.6	78.3	84.6	83.3	90.0	88.2	95.4	93.2	101	
14	67.8	66.1	78.4	90.8	98.2	96.6	104	102	111	108	117	
16	88.6	86.3	102	119	128	126	136	134	145	141	153	
18	112	109	130	150	162	160	173	169	183	179	193	
20	138	135	160	185	200	197	213	209	226	221	239	
22	167	163	194	224	242	238	258	253	273	267	289	
24	199	194	230	267	288	284	307	301	325	318	344	
26	234	228	270	313	339	333	360	353	382	373	403	
28	271	264	314	363	393	386	418	409	443	432	468	
30	311	303	360	417	451	443	479	470	508	496	537	
32	354	345	410	474	513	504	546	535	578	565	611	
34	400	390	462	535	579	570	616	604	653	638	690	
36	448	437	518	600	649	638	690	677	732	715	773	
38	500	487	578	669	723	711	769	754	815	797	861	
40	554	539	640	741	801	788	852	835	903	883	954	
42	610	594	706	817	883	869	940	921	996	973	1 050	
44	670	652	774	897	970	954	1 030	1 010	1 090	1 070	1 150	
46	732	713	846	980	1 060	1 040	1 130	1 100	1 190	1 170	1 260	
48	797	776	922	1 070	1 150	1 140	1 230	1 200	1 300	1 270	1 370	
50	865	843	1 000	1 160	1 250	1 230	1 330	1 300	1 410	1 380	1 490	
52	936	911	1 080	1 250	1 350	1 330	1 440	1 410	1 530	1 490	1 610	
54	1 010	983	1 170	1 350	1 460	1 440	1 550	1 520	1 650	1 610	1 740	
56	1 090	1 060	1 250	1 450	1 570	1 540	1 670	1 640	1 770	1 730	1 870	
58	1 160	1 130	1 350	1 560	1 680	1 660	1 790	1 760	1 900	1 860	2 010	
60	1 250	1 210	1 440	1 670	1 800	1 770	1 920	1 880	2 030	1 990	2 150	

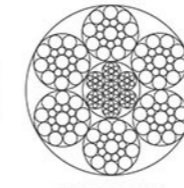
注1:最小钢丝破断拉力总和=钢丝绳最小破断拉力×1.249(纤维芯)或1.336(钢芯)。

圆股钢丝绳 [光面和镀锌]

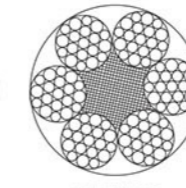
steel wire rope (ungalvanized and galvanized)



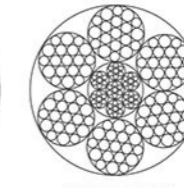
6X19S+FC



6X19S+IWRC



6X19W+FC



6X19W+IWRC

执行标准(standard):GB/T 20118-2006
结构(construction):股

● 适用于立井提升、高炉卷扬石油钻井、皮带运输及索道牵引、缆车、挖掘机。
for vertical well hoisting, blast furnace winching oil well drilling, belt conveyer and cable way drawing, cable car excavator.

力学性能

mechanical property

钢丝绳公称直径 nominal diameter (mm)	参考重量 (kg/100m) approximate weight			钢丝绳公称抗拉强度(MPa) nominal tensile strength											
				1 570		1 670		1 770		1 870		1 960		2 160	
	NF 天然 纤维芯	SF 合成 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯
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	25.7	27.7
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	34.9	37.7
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	44.6	45.6	49.2
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	57.7	62.3
10	36.9	36.0	40.6	51.8	55.9	55.1	59.5	58.4	63.0	61.7	66.6	64.7	69.8	71.3	76.9
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	86.2	93.0
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	100	103	111
13	62.3	60.8	68.5	87.6	94.5	93.1	100	98.7	106	104	113	109	118	120	130
14	72.2	70.5	79.5	102	110	108	117	114	124	121	130	127	137	140	151
16	94.4	92.1	104	133	143	141	152	150	161	158	170	166	179	182	197
18	119	117	131	168	181	179	193	189	204	200	216	210	226	231	249
20	147	144	162	207	224	220	238	234	252	247	266	259	279	285	308
22	178	174	196	251	271	267	288	283	305	299	322	313	338	345	372
24	212	207	234	298	322	317	342	336	363	355	383	373	402	411	443
26	249	243	274	350	378	373	402	395	426	417	450	437	472	482	520
28	289	282	318	406	438	432	466	458	494	484	522	507	547	559	603
30	332	324	365	466	503	496	535	526	567	555	599	582	628	642	692
32	377	369	415	531	572	564	609	598	645	632	682	662	715	730	787
34	426	416	469	599	646	637	687	675	728	713	770	748	807	824	889
36	478	466	525	671	724	714	770	757	817	800	863	838	904	924	997
38	532	520	585	748	807	796	858	843	910	891	961	934	1 010	1 030	1 110
40	590	576	649	829	894	882	951	935	1 010	987	1 070	1 030	1 120	1 140	1 230

注:最小钢丝破断拉力总和=钢丝绳最小破断拉力×1.214(纤维芯)或1.308(钢芯)。

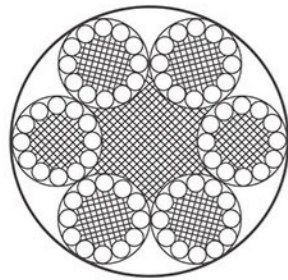
圆股钢丝绳 [光面和镀锌]

steel wire rope (ungalvanized and galvanized)

力学性能

mechanical property

执行标准(standard):
GB/T 20118-2006
结构(construction):股

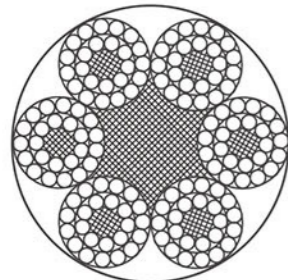


6X12+7FC

公称直径/mm nominal diameter	参考重量/(kg/100m) approximate weight		钢丝绳公称抗拉强度(MPa) nominal tensile strength			
	天然纤维芯 NF	合成纤维芯 SF	1 470	1 570	1 670	1 770
			钢丝绳最小破断拉力(KN) minimum breaking load			
8	16.1	14.8	19.7	21.0	22.3	23.7
9	20.3	18.7	24.9	26.6	28.3	30.0
10	25.1	23.1	30.7	32.8	34.9	37.0
11	30.4	28.0	37.2	39.7	42.2	44.8
12	36.1	33.3	44.2	47.3	50.3	53.3
13	42.4	39.0	51.9	55.5	59.0	62.5
14	49.2	45.3	60.2	64.3	68.4	72.5
16	64.3	59.1	78.7	84.0	89.4	94.7
18	81.3	74.8	99.5	106	113	120
20	100	92.4	123	131	140	148
22	121	112	149	159	169	179
24	145	133	177	189	201	213
26	170	156	208	222	236	250
28	197	181	241	257	274	290
32	257	237	315	336	357	379

注: 最小钢丝破断拉力总和 = 钢丝绳最小破断拉力 × 1.136。

执行标准(standard):
GB/T 20118-2006
结构(construction):股



6X24+7FC

公称直径/mm nominal diameter	参考重量/(kg/100m) approximate weight		钢丝绳公称抗拉强度(MPa) nominal tensile strength			
	天然纤维芯 NF	合成纤维芯 SF	1 470	1 570	1 670	1 770
			钢丝绳最小破断拉力(KN) minimum breaking load			
8	20.4	19.5	26.3	28.1	29.9	31.7
9	25.8	24.6	33.3	35.6	37.9	40.1
10	31.8	30.4	41.2	44.0	46.8	49.6
12	45.8	43.8	59.3	63.3	67.3	71.4
14	62.3	59.6	80.7	86.2	91.6	97.1
18	103	98.5	133	142	152	161
20	127	122	165	176	187	198
24	183	175	237	253	269	285
28	249	238	323	345	367	389
32	326	311	421	450	479	507
36	412	394	533	570	606	642
40	509	486	659	703	748	793

注: 最小钢丝破断拉力总和 = 钢丝绳最小破断拉力 × 1.150。

● 适用于拖船、货网、浮运木材、渔业拖网、捆绑等。
for tugboat, cargo net, floating of wood, fish net dragging and bind.

圆股钢丝绳 [光面和镀锌]

steel wire rope (ungalvanized and galvanized)

6x25Fi+FC 6x25Fi+IWRC 6x26WS+FC 6x26WS+IWRC
6x29Fi+FC 6x29Fi+IWRC 6x31WS+FC 6x31WS+IWRC
6x36WS+FC 6x36WS+IWRC 6x37S+FC 6x37S+IWRC

执行标准(standard): GB/T 20118-2006

结构(construction): 股

● 适用于港口装卸和建筑用塔式起重机、吊车, 等。
for port loading and unloading and construction purposes, for tower crane purposes.

力学性能

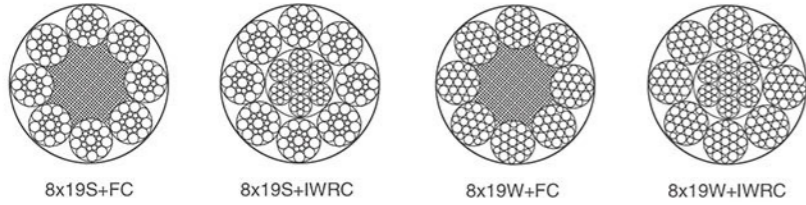
mechanical property

钢丝绳公称直径 nominal diameter (mm)	参考重量 (kg/100m) approximate weight		钢丝绳公称抗拉强度(MPa) nominal tensile strength												
			1 570		1 670		1 770		1 870		1 960		2 160		
	钢丝绳最小破断拉力(KN) minimum breaking load														
	NF 天然纤维芯	SF 合成纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯	FC 纤维芯	IWR IWS 钢芯
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	45.6	49.2
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	71.3	76.9
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	103	111
13	64.2	62.7	70.6	87.6	94.5	93.1	100	98.7	106	104	113	109	118	120	130
14	74.5	72.7	81.9	102	110	108	117	114	124	121	130	127	137	140	151
16	97.3	95.0	107	133	143	141	152	150	161	158	170	166	179	182	197
18	123	120	135	168	181	179	193	189	204	200	216	210	226	231	249
20	152	148	167	207	224	220	238	234	252	247	266	259	279	285	308
22	184	180	202	251	271	267	288	283	305	299	322	313	338	345	372
24	219	214	241	298	322	317	342	336	363	355	383	373	402	411	443
26	257	251	283	350	378	373	402	395	426	417	450	437	472	482	520
28	298	291	328	406	438	432	466	458	494	484	522	507	547	559	603
30	342	334	376	466	503	496	535	526	567	555	599	582	628	642	692
32	389	380	428	531	572	564	609	598	645	632	682	662	715	730	787
34	439	429	483	599	646	637	687	675	728	713	770	748	807	824	889
36	492	481	542	671	724	714	770	757	817	800	863	838	904	924	997
38	549	536	604	748	807	796	858	843	910	891	961	934	1010	1030	1110
40	608	594	669	829	894	882	951	935	1010	987	1070	1030	1120	1140	1230
42	670	654	737	914	986	972	1050	1030	1110	1090	1170	1140	1230	1260	1360
44	736	718	809	1000	1080	1070	1150	1130	1220	1190	1290	1250	1350	1380	1490
46	804	785	884	1100	1180	1170	1260	1240	1330	1310	1410	1370	1480	1510	1630
48	876	855	963	1190	1290	1270	1370	1350	1450	1420	1530	1490	1610	1640	1770
50	950	928	1040	1300	1400	1380	1490	1460	1580	1540	1660	1620	1740	1780	1920
52	1030	1000	1130	1400	1510	1490	1610	1580	1700	1670	1800	1750	1890	1930	2080
54	1110	1080	1220	1510	1630	1610	1730	1700	1840	1800	1940	1890	2030	2080	2240
56	1190	1160	1310	1620	1750	1730	1860	1830	1980	1940	2090	2030	2190	2240	2410
58	1280	1250	1410	1740	1880	1850	2000	1960	2120	2080	2240	2180	2350	2400	2590
60	1370	1340	1500	1870	2010	1980	2140	2100	2270	2220	2400	2330	2510	2570	2770

注: 最小钢丝破断拉力总和 = 钢丝绳最小破断拉力 × 1.226 (纤维芯) 或 1.321 (钢芯), 其中 6x37S 纤维芯为 1.191, 钢芯为 1.283。

圆股钢丝绳 [光面和镀锌]

steel wire rope (ungalvanized and galvanized)



执行标准(standard): GB/T 20118-2006
结构(construction): 股

● 适用于船舶起重打捞沉船等。
for crane purpose, salvaging sunken vessels.

力学性能

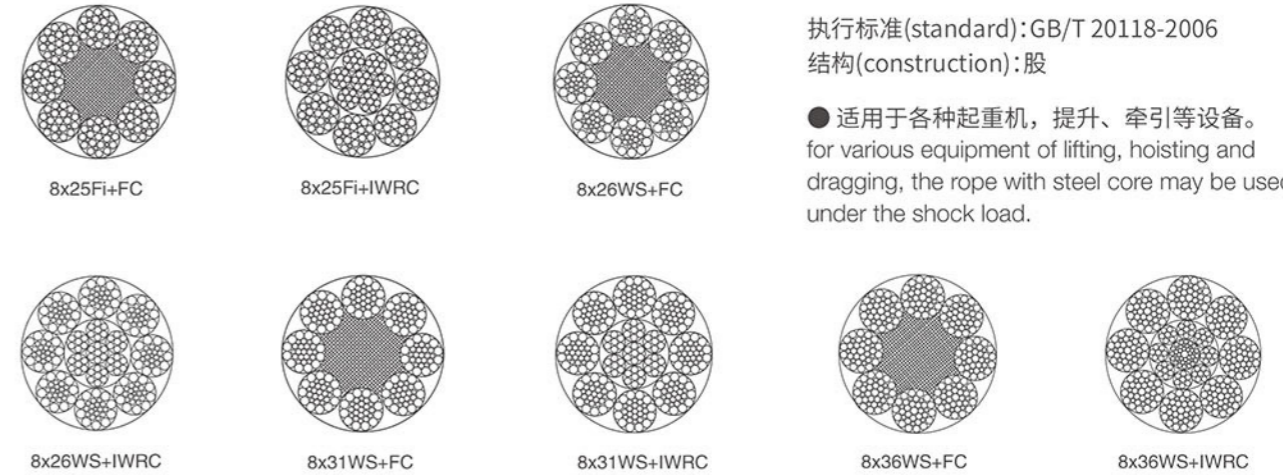
mechanical property

钢丝绳公称直径 diameter (mm)	参考重量(kg/100m) approximate weight		钢丝绳公称抗拉强度(MPa) nominal tensile strength													
			1 570		1 670		1 770		1 870		1 960		2 160			
			钢丝绳最小破断拉力(KN) minimum breaking load													
天然纤维芯 NF	合成纤维芯 SF	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS		
10	34.6	33.4	42.2	46.0	54.3	48.9	57.8	51.9	61.2	54.8	64.7	57.4	67.8	63.3	74.7	
11	41.9	40.4	51.1	55.7	65.7	59.2	69.9	62.8	74.1	66.3	78.3	69.5	82.1	76.6	90.4	
12	49.9	48.0	60.8	66.2	78.2	70.5	83.2	74.7	88.2	78.9	93.2	82.7	97.7	91.1	108	
13	58.5	56.4	71.3	77.7	91.8	82.7	97.7	87.6	103	92.6	109	97.1	115	107	126	
14	67.9	65.4	82.7	90.2	106	95.9	113	102	120	107	127	113	133	124	146	
16	88.7	85.4	108	118	139	125	148	133	157	140	166	147	174	162	191	
18	112	108	137	149	176	159	187	168	198	178	210	186	220	205	242	
20	139	133	169	184	217	196	231	207	245	219	259	230	271	253	299	
22	168	162	204	223	263	237	280	251	296	265	313	278	328	306	362	
24	199	192	243	265	313	282	333	299	353	316	373	331	391	365	430	
26	234	226	285	311	367	331	391	351	414	370	437	388	458	428	505	
28	271	262	331	361	426	384	453	407	480	430	507	450	532	496	586	
30	312	300	380	414	489	440	520	467	551	493	582	517	610	570	673	
32	355	342	432	471	556	501	592	531	627	561	663	588	694	648	765	
34	400	386	488	532	628	566	668	600	708	633	748	664	784	732	864	
36	449	432	547	596	704	634	749	672	794	710	839	744	879	820	969	
38	500	482	609	664	784	707	834	749	884	791	934	829	979	914	1 080	
40	554	534	675	736	869	783	925	830	980	877	1 040	919	1 090	1 010	1 200	
42	611	589	744	811	958	863	1 020	915	1 080	967	1 140	1 010	1 200	1 120	1 320	
44	670	646	817	891	1 050	947	1 120	1 000	1 190	1 060	1 250	1 110	1 310	1 230	1 450	
46	733	706	893	973	1 150	1 040	1 220	1 100	1 300	1 160	1 370	1 220	1 430	1 340	1 580	
48	798	769	972	1 060	1 250	1 130	1 330	1 190	1 410	1 260	1 490	1 320	1 560	1 460	1 720	

注: 最小钢丝绳破断拉力总和 = 钢丝绳最小破断拉力 × 1.214 (纤维芯) 或 1.360 (钢芯)。

圆股钢丝绳 [光面和镀锌]

steel wire rope (ungalvanized and galvanized)



执行标准(standard): GB/T 20118-2006
结构(construction): 股

● 适用于各种起重机, 提升、牵引等设备。
for various equipment of lifting, hoisting and dragging, the rope with steel core may be used under the shock load.

力学性能

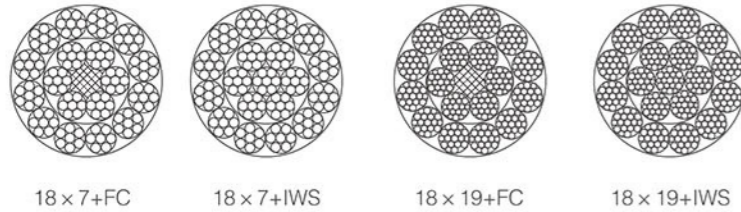
mechanical property

钢丝绳公称直径 diameter (mm)	参考重量(kg/100m) approximate weight		钢丝绳公称抗拉强度(MPa) nominal tensile strength													
			1 570		1 670		1 770		1 870		1 960		2 160			
			钢丝绳最小破断拉力(KN) minimum breaking load													
天然纤维芯 NF	合成纤维芯 SF	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS		
14	70.0	67.4	85.3	90.2	106	95.9	113	102	120	107	127	113	133	124	146	
16	91.4	88.1	111	118	139	125	148	133	157	140	166	147	174	162	191	
18	116	111	141	149	176	159	187	168	198	178	210	186	220	205	242	
20	143	138	174	184	217	196	231	207	245	219	259	230	271	253	299	
22	173	166	211	223	263	237	280	251	296	265	313	278	328	306	362	
24	206	198	251	265	313	282	333	299	353	316	373	331	391	365	430	
26	241	233	294	311	367	331	391	351	414	370	437	388	458	428	505	
28	280	270	341	361	426	384	453	407	480	430	507	450	532	496	586	
30	321	310	392	414	489	440	520	467	551	493	582	517	610	570	673	
32	366	352	445	471	556	501	592	531	627	561	663	588	694	648	765	
34	413	398	503	532	628	566	668	600	708	633	748	664	784	732	864	
36	463	446	564	596	704	634	749	672	794	710	839	744	879	820	969	
38	516	497	628	664	784	707	834	749	884	791	934	829	979	914	1 080	
40	571	550	696	736	869	783	925	830	980	877	1 040	919	1 090	1 010	1 230	
42	630	607	767	811	958	863	1 020	915	1 080	967	1 140	1 010	1 200	1 120	1 320	

注: 最小钢丝绳破断拉力总和 = 钢丝绳最小破断拉力 × 1.226 (纤维芯) 或 1.374 (钢芯)。

多层不旋转钢丝绳 [光面和镀锌]

non-rotating rope (ungalvanized and galvanized)



执行标准(standard): GB/T 20118-2006
结构(construction): 股

● 适用于各种起重机, 提升、牵引和打桩等设备, 金属绳芯在冲击负荷、受热、受挤压条件下使用。

for various equipment of lifting, hoisting and dragging, the rope with steel core may be used under the shock load, heated and squeezed condition.

力学性能

mechanical property

钢丝绳公称直径 diameter (mm)	参考重量 (kg/100m) approximate weight		钢丝绳公称抗拉强度(MPa) nominal tensile strength																																			
			1 570						1 670						1 770						1 870						1 960						2 160					
			钢丝绳最小破断拉力(KN) minimum breaking load																																			
纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS	纤维芯 FC	钢芯 IWR IWS															
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	1 020																								
40	624	688	779	824	828	876	878	929	928	981	972	1 030	1 070	1 130																								
42	688	759	859	908	913	966	968	1 020	1 020	1 080	1 070	1 130	1 180	1 250																								
44	755	832	942	997	1 000	1 060	1 060	1 120	1 120	1 190	1 180	1 240	1 300	1 370																								

注: 最小钢丝破断拉力总和 = 钢丝绳最小破断拉力 x 1.283, 其中 17x7 为 1.250。

多层不旋转钢丝绳 [光面和镀锌]

non-rotating rope
(ungalvanized and galvanized)

执行标准(standard): GB/T 20118-2006
结构(construction): 股

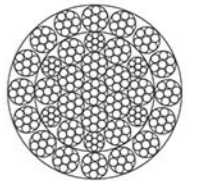
● 开凿立井提升 (建井用)
well purposes for excavating and hoisting

力学性能

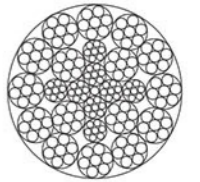
mechanical property

钢丝绳公称直径 nominal diameter (mm)	参考重量(kg/100m) approximate weight	钢丝绳公称抗拉强度(MPa) nominal tensile strength					
		1 570	1 670	1 770	1 870	1 960	2 160
		钢丝绳最小破断拉力(KN) minimum breaking load					
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	414	443	471	500	528	553	610
30	361	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	1 010
38	664	816	868	920	972	1 020	1 120
40	736	904	962	1 020	1 080	1 130	1 240
42	811	997	1 060	1 120	1 190	1 240	1 370
44	891	1 090	1 160	1 230	1 300	1 370	1 510
46	973	1 200	1 270	1 350	1 420	1 490	1 650
48	1 060	1 300	1 390	1 470	1 550	1 630	1 790
50	1 150	1 410	1 500	1 590	1 680	1 760	1 940

注: 最小钢丝破断拉力总和 = 钢丝绳最小破断拉力 x 1.2870。



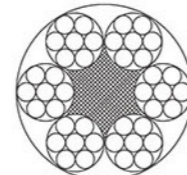
35W X 7



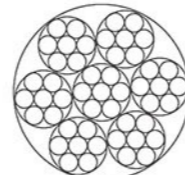
24W X 7

涂塑钢丝绳

PVC coating steel wire rope



6X7+FC



6X7+IWSC
(7X7)

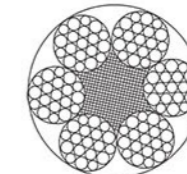
力学性能

mechanical property

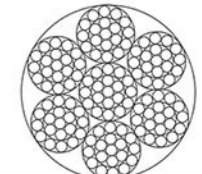
结构 construction	直径 diameter	重量(KGS/m) weight	钢丝绳最小破断拉力 (MBL) min breaking load		
			1175N/MM ²	1270N/MM ²	1370N/MM ²
6x7+FC	2mm-3mm	0.021	2.22KN	2.35KN	2.60KN
	2mm-3.5mm	0.025	2.22KN	2.35KN	2.60KN
	3mm-4mm	0.043	4.99KN	5.29KN	5.86KN
	3mm-5mm	0.053	4.99KN	5.29KN	5.86KN
	4mm-5mm	0.072	8.87KN	9.41KN	10.42KN
	4mm-5.5mm	0.078	8.87KN	9.41KN	10.42KN
	4mm-6mm	0.084	8.87KN	9.41KN	10.42KN
	5mm-6mm	0.109	13.87KN	14.70KN	16.28KN
	5mm-7mm	0.123	13.87KN	14.70KN	16.28KN
7x7	1.59mm-3.18mm	0.0220	/	1.60KN	1.78KN
	1.8mm-2.5mm	0.0190	/	2.06KN	2.28KN
	2mm-2.7mm	0.0206	2.40KN	2.54KN	2.81KN
	2.38mm-3.18mm	0.300	3.40KN	3.60KN	3.99KN
	2.38mm-3.50mm	0.0323	3.40KN	3.60KN	3.99KN
	2.38mm-4mm	0.0369	3.40KN	3.60KN	3.99KN
	2.38mm-4.76mm	0.0437	3.40KN	3.60KN	3.99KN
	3.18mm-4.76mm	0.0564	6.05KN	6.42KN	7.11KN
	4.76mm-6.35mm	0.1173	13.58KN	14.40KN	15.94KN
	4.76mm-7.8mm	0.1250	13.58KN	14.40KN	15.94KN
	5mm-7.8mm	0.135	15.00KN	15.90KN	17.60KN
	5mm-10mm	0.175	15.00KN	15.90KN	17.60KN
	6mm-10mm	0.1944	21.60KN	22.90KN	25.36KN

涂塑钢丝绳

PVC coating steel wire rope



6X19+FC



6X19+IWSC
(7X19)

结构 construction	直径 diameter	重量(KGS/m) weight	钢丝绳最小破断拉力 (MBL) min breaking load		
			1175N/MM ²	1270N/MM ²	1370N/MM ²
6x19+FC	2mm-3mm	0.021	2.22KN	2.35KN	2.60KN
	3.6mm-5.8mm	0.061	6.65KN	7.05KN	7.80KN
	6mm-8mm	0.168	18.50KN	19.60KN	21.70KN
	8mm-10mm	0.270	32.83KN	34.80KN	38.53KN
	9.3mm-11mm	0.355	49.97KN	52.97KN	58.65KN
	10mm-12mm	0.430	51.27KN	54.34KN	60.17KN
7x19	6.35mm-7.94mm	0.2020	22.36KN	23.70KN	26.24KN
	7.94mm-9.53mm	0.2950	34.95KN	37.04KN	41.00KN

主要用途:

涂塑钢丝绳可广泛应用于汽车、船舶、建筑行业及一切需要室外应用或特殊工作环境下使用。主要用在矿井提升罐笼、肉类加工厂提升机械、海船船锚、及捕捞作业、渔业船只拖网等方面。

Main purposes:

PVC coating steel wire rope can be widely used in automobiles, shipbuilding, construction industry and all the needs of outdoor applications or special working environment. Mainly used in mine hoist cage, meat processing plant upgrade machinery, ship anchors and fishing operations, fishing vessels trawling and so on.

不锈钢钢丝绳

stainless steel wire rope

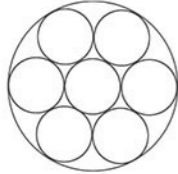
力学性能

mechanical property

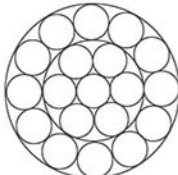
执行标准(standard):
GB9944-88

材质(material):
304, 316, 316L等

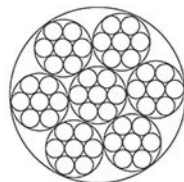
● 适用于化工、航空、机械、仪表等行业。
it is used for chemical, engineering, aviation machine, instrument.



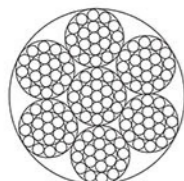
1X7



1X19



6X7+IWSC
(7X7)



6X19+IWSC
(7X19)

结构 construction	直径 diameter	重量(KGS/m) weight	钢丝绳最小破断拉力(MBL) min breaking load
1x7	0.15mm	0.10	24.50KN
	0.24mm	0.28	58.80KN
	0.30mm	0.44	93.10KN
	0.36mm	0.64	127.40KN
	0.40mm	0.75	156.80KN
	0.45mm	1.00	196.00KN
	0.50mm	1.25	254.80KN
	0.60mm	1.80	343.00KN
	0.75mm	2.80	558.60KN
	0.90mm	4.00	823.20KN
1x19	1.00mm	4.80	999.60KN
	1.20mm	7.00	1323.00KN
	0.60mm	1.75	343.00KN
	0.70mm	2.40	470.40KN
	0.80mm	3.10	617.40KN
	0.90mm	3.90	774.20KN
	1.00mm	4.90	950.60KN
	1.20mm	7.00	1274.00KN
	1.50mm	11.00	2254.00KN
	1.60mm	12.50	2597.00KN
	1.80mm	15.00	3136.00KN
	2.00mm	19.50	3822.00KN
	2.40mm	28.00	4802.00KN
2.50mm	30.38	5586.00KN	
3.00mm	43.74	8036.00KN	
3.50mm	59.54	9310.00KN	
4.00mm	77.76	12740.00KN	

结构 construction	直径 diameter	重量(KGS/m) weight	钢丝绳最小破断拉力(MBL) min breaking load
6x7+1WSC (7x7)	1.00mm	0.004	/
	1.50mm	0.0088	/
	1.60mm	0.012	2.15KN
	1.80mm	0.014	2.25KN
	2.00mm	0.017	2.94KN
	2.50mm	0.025	4.41KN
	3.00mm	0.035	6.37KN
	4.00mm	0.065	9.51KN
	5.00mm	0.095	14.70KN
	6.00mm	0.135	18.62KN
6x19+1WSC (7x19)	3.00mm	0.0375	6.37KN
	4.00mm	0.067	8.62KN
	5.00mm	0.097	16.66KN
	6.00mm	0.149	23.52KN
	8.00mm	0.266	40.05KN
	9.00mm	0.350	46.06KN
	9.50mm	0.362	53.40KN
	10.00mm	0.384	54.88KN
	12.00mm	0.550	73.50KN

热镀锌坯料钢丝

hot dipped galvanized patented wire for further redrawing



品名 item	材料(#) material	直径 (mm) diameter	许可公差(mm) tolerance	抗拉强度 (Mpa) T/S	扭转回 /100d torsion	附锌量(g/m²) weight of zinc coating
热镀锌 坯料钢丝 hot dip galvanized steel wire	60	1.0	+0.03~-0.03	105-125	18	100
	60	1.1	+0.03~-0.03	105-125	18	100
	60	1.3	+0.03~-0.03	100-125	18	130
	60	1.4	+0.03~-0.03	100-125	18	140
	60	1.6	+0.04~-0.03	100-125	18	160
	60	1.8	+0.04~-0.03	100-125	17	180
	60	2.0	+0.045~-0.035	100-125	17	210
	60	2.2	+0.045~-0.035	100-120	17	210
	60	2.4	+0.045~-0.035	100-120	17	230
	70	2.6	+0.045~-0.035	110-130	13	240
	70	2.8	+0.045~-0.035	110-130	13	250
	70	3.0	+0.045~-0.035	110-130	13	260
	70	3.2	+0.045~-0.035	108-120	13	260
	70	3.4	+0.045~-0.035	108-120	13	260
	70	3.6	+0.045~-0.035	108-120	13	260
	70	4.0	+0.045~-0.035	105-115	13	260
	70	4.5	+0.045~-0.035	105-115	13	260

热处理磷化钢丝

ungalvanized patented wire for further redrawing



品名 item	材料(#) material	直径(mm) diameter	许可公差(mm) tolerance	抗拉强度(Mpa) T/S	扭转回/100d torsion
光面热处理 磷化钢丝 heat treatment phosphated wires	60	1.2	+0.03~-0.03	105-125	20
	60	1.3	+0.03~-0.03	105-125	20
	60	1.4	+0.03~-0.03	105-125	20
	60	1.5	+0.03~-0.03	105-125	20
	60	1.6	+0.03~-0.03	105-125	20
	60	1.8	+0.04~-0.03	105-125	20
	60	2.0	+0.04~-0.03	105-125	18
	60	2.2	+0.045~-0.035	105-120	18
	60	2.4	+0.045~-0.035	105-120	18
	70	2.6	+0.045~-0.035	115-130	13
	70	2.8	+0.045~-0.035	115-130	13
	70	3.0	+0.045~-0.035	112-130	13
	70	3.2	+0.045~-0.035	110-130	13
	70	3.4	+0.045~-0.035	110-130	13
	75	3.6	+0.045~-0.035	112-130	13
	75	3.8	+0.045~-0.035	112-130	13
	75	4.0	+0.045~-0.035	110-130	13
	75	4.2	+0.045~-0.035	110-130	13
	75	4.5	+0.045~-0.035	110-130	13

碳素弹簧钢丝 carbon spring steel wire

执行标准(standard): GB4357-89

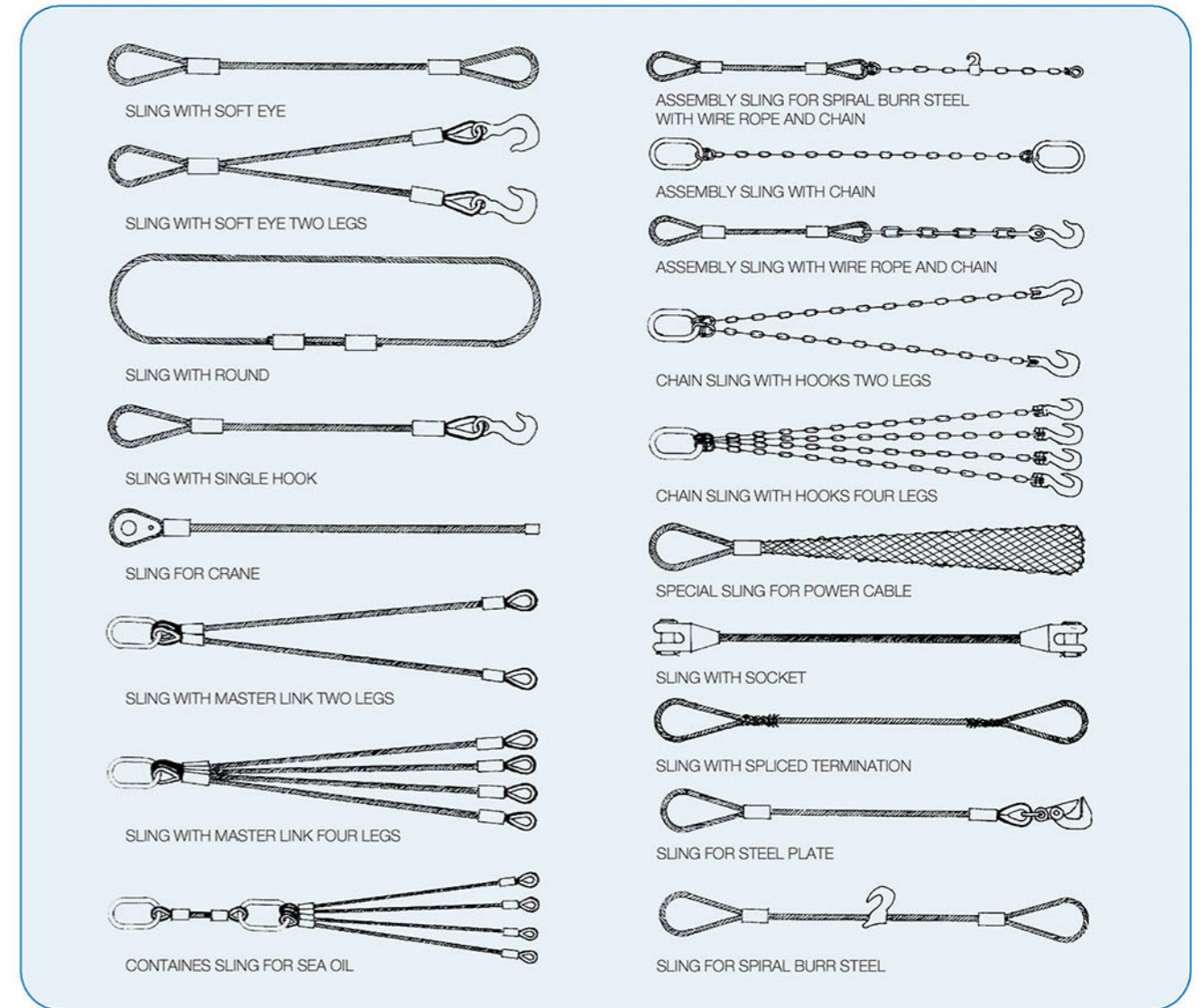
● 用于制造缠绕成型的弹簧。
used in the manufacture of winding shape of the spring.



力学性能 mechanical property

钢丝直径 (毫米) diameter(mm)	抗拉强度 (N/mm ²) tensile strength		
	B 组 group B	C 组 group C	D 组 group D
0.20	2150-2550	2400-2790	2690-3090
0.22	2110-2500	2350-2750	2690-3090
0.25	2060-2450	2300-2700	2640-3040
0.28	2010-2400	2300-2700	2640-3040
0.30	2010-2400	2300-2700	2640-3040
0.32	1960-2350	2250-2650	2600-2990
0.35	1960-2350	2250-2650	2600-2990
0.40	1910-2300	2250-2650	2600-2990
0.45	1860-2260	2200-2600	2550-2940
0.50	1860-2260	2200-2600	2550-2940
0.55	1810-2210	2150-2550	2500-2890
0.60	1760-2160	2110-2500	2450-2840
0.65	1760-2160	2110-2500	2450-2840
0.70	1710-2110	2060-2450	2450-2840
0.80	1710-2060	2010-2400	2400-2840
0.90	1710-2060	2010-2350	2350-2750
1.00	1660-2010	1960-2300	2300-2690
1.20	1620-1960	1910-2250	2250-2550
1.40	1620-1910	1860-2210	2150-2450
1.60	1570-1860	1810-2160	2110-2400
1.80	1520-1810	1760-2110	2010-2300
2.00	1470-1760	1710-2010	1910-2200
2.20	1420-1710	1660-1960	1810-2110
2.50	1420-1710	1660-1960	1760-2060
2.80	1370-1670	1620-1910	1710-2010
3.00	1370-1670	1570-1860	1710-1960
3.20	1320-1620	1570-1810	1660-1910
3.50	1320-1620	1570-1810	1660-1910
4.00	1320-1620	1520-1760	1620-1860

吊索具 steel wire rope sling



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● CUSTOMIZED SMALL PACKAGE WITH CUSTOMER'S LOGO



SIZE (mm)	CONS.	LENGTH (M)
1.8	7x7	6
1.8	7x7	9
1.8	7x7	100
2.4	7x7	6
2.4	7x7	9
2.4	7x7	100
SIZE (mm)	CONS.	LENGTH (M)
2	6x7+PPC	10
2	6x7+PPC	25
2	6x7+PPC	50
2	6x7+PPC	100
3	6x7+PPC	10
3	6x7+PPC	25
3	6x7+PPC	50
3	6x7+PPC	100
SIZE (mm)	CONS.	LENGTH (M)
4	6x12+7FC	10
4	6x12+7FC	25
4	6x12+7FC	50
4	6x12+7FC	100
5	6x12+7FC	10
5	6x12+7FC	25
5	6x12+7FC	50
6	6x12+7FC	10
6	6x12+7FC	25
8	6x12+7FC	10
8	6x12+7FC	25
SIZE (mm)	CONS.	LENGTH (M)
5	6x12+7FC	100
6	6x12+7FC	50
6	6x12+7FC	100
8	6x12+7FC	50
8	6x12+7FC	100
10	6x12+7FC	25
10	6x12+7FC	50
10	6x12+7FC	100
12	6x12+7FC	25
12	6x12+7FC	50
12	6x12+7FC	100
14	6x12+7FC	50
14	6x12+7FC	100

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● CUSTOMIZED SMALL PACKAGE WITH CUSTOMER'S LOGO



SIZE (mm)	CONS.	LENGTH (M)
2	6x7+FC	10
2	6x7+FC	25
3	6x7+FC	10
3	6x7+FC	25
4	6x7+FC	10
4	6x7+FC	25
5	6x7+FC	10
5	6x7+FC	25
6	6x7+FC	10
6	6x7+FC	25



SIZE (mm)	CONS.	LENGTH (M)
2	6x7+FC	100
3	6x7+FC	100
4	6x7+FC	100
5	6x7+FC	100
6	6x7+FC	100
2-4	6x7+FC	100
3-5	6x7+FC	100
4-6	6x7+FC	100
5-7	6x7+FC	100
6-8	6x7+FC	100
8-10	6x7+FC	100
3	6x19+FC	100
4	6x19+FC	100
5	6x19+FC	100
6	6x19+FC	100
8	6x19+FC	100
10	6x19+FC	100
12	6x19+FC	100



SIZE (mm)	CONS.	LENGTH (M)
1	1x7	500
1.5	6x7+FC	250
2	6x7+FC	250
3	6x7+FC	250
4	6x7+FC	200
5	6x7+FC	200
6	6x7+FC	200
8	6x19+FC	100
10	6x19+FC	100
12	6x19+FC	100
2-3	6x7+FC	100
3-4	6x7+FC	100
4-6	6x7+FC	100
6-8	6x19+FC	100



