



安徽文盛科技有限公司

WINDSOON ANHUI WINDSOON SCIENCE & TECHNOLOGY CO., LTD.



# 特种钢丝绳 产品介绍

## 公司简介

## COMPANY PROFILE

安徽文盛科技有限公司（以下简称文盛科技）是一家集高端研发、生产、销售及服务于一体的企业，其中钢丝绳产品以高破断拉力、高韧性、高耐挤压、高稳定性及超长使用寿命为主要特征，同时也是台湾松和公司在中国大陆的独家代理商和技术服务商。

Anhui WINDSOON Technology Co., Ltd. (hereinafter referred to as WINDSOON Technology) is an enterprise integrating high-end R&D, production, sales and service, of which wire rope products are characterized by high breaking force, high toughness, high extrusion resistance, high stability and ultra long service life. At the same time, it is also the exclusive agent and technical service provider of Taiwan Songhe Company in Chinese Mainland.

## 企业发展

## ENTERPRISE DEVELOPMENT

文盛科技成立于2019年3月，位于淮南市大通工业园区22号，主营业务以钢丝绳及钢丝绳吊索具的研发、生产、销售及服务。成立之初，文盛科技经营定位是高端产品代理商和服务商，核心业务为销售台湾松和的钢丝绳产品，经营理念是以质量第一、稳定可靠、使用寿命长、性价比高等特点服务于高端客户群体，经过全体团队的努力和付出获得了客户的一致好评，松和已是国内起重机行业著名产品，成为轻量化(欧式)起重机产品的标配。同时公司积极拓展海外市场，在日本、东南亚、非洲、欧洲、南美等市场也得到了广大客户的认可，已经成为客户公认的优秀钢丝绳供应商。

当前公司进入快速发展阶段，2022年10月，投入了先进的钢丝绳生产线并进行工艺优化与提升，于2024年4月成功研制出高质量特种钢丝绳，经过多方测试与验证，多个规格的产品达到欧洲同类产品水平，产品质量稳定可靠，性价比更高，得到各个主机客户认可并使用，逐步取代进口品牌在国内的市场。

未来文盛科技将继续加大设备投资和技术研发，引进更多先进技术与工艺，投入更智能、更高效的钢丝绳生产线和检测设备，以满足客户日益增长的需求。

WINDSOON Technology was established in March 2019, located at No. 22 Datong Industrial Park, Huainan City. Its main business is the research and development, production, sales, and service of steel wire ropes and steel wire rope hoists. At the beginning of its establishment, WINDSOON Technology was positioned as a high-end product agent and service provider, with its core business being the sales of wire rope products from Taiwan's Songhe. The business philosophy was to serve high-end customer groups with the characteristics of quality first, stability and reliability, long service life, and high cost-effectiveness. Through the efforts and dedication of the entire team, it has received unanimous praise from customers. Songhe has become a well-known product in the domestic crane industry and a standard for lightweight (European) crane products. At the same time, the company actively expands overseas markets and has gained recognition from customers in markets such as Japan, Southeast Asia, Africa, Europe, and South America, becoming an excellent steel wire rope supplier recognized by customers.

The company has entered a stage of rapid development. In October 2022, it invested in an advanced steel wire rope production line and carried out process optimization and improvement. In April 2024, it successfully developed high-quality



special steel wire ropes. After multiple tests and verifications, multiple specifications of products have reached the level of similar European products. The product quality is stable and reliable, with higher cost-effectiveness, and has been recognized and used by various host customers, gradually replacing imported brands in the domestic market.

In the future, WINDSOON Technology will continue to increase equipment investment and technology research and development, introduce more advanced technologies and processes, invest in more intelligent and efficient steel wire rope production lines and testing equipment to meet the growing needs of customers.

## 适用范围

### SCOPE OF APPLICATION

文盛科技的钢丝绳主要适合以下范围内使用：

1. 钢丝绳为热镀锌钢丝绳，能够在一定范围内的腐蚀性环境中使用；
2. 环境温度的适用范围是： $-35^{\circ}\text{C}\sim+85^{\circ}\text{C}$ (滴点为 $87^{\circ}\text{C}$ 、闪点 $240^{\circ}\text{C}$ )；
3. 卷筒和滑轮绳槽直径建议： $D=1.06\sim 1.1d$ ；滑轮直径建议： $D\geq 20d$ ， $D=25d$ 更佳！  
( $D$ 为滑轮， $d$ 为钢丝绳直径)
4. 旋转钢丝绳的倾角(入绳角度)建议在 $3^{\circ}$  以内， $2.5^{\circ}$  以内更佳！
5. 阻(抗)旋转钢丝绳的倾角建议在 $1.5^{\circ}$  以内。

WINDSOON Technology's steel wire rope is mainly suitable for use in the following areas:

1. The steel wire rope is hot-dip galvanized and can be used in corrosive environments within a certain range;
2. The applicable range of ambient temperature is  $-35^{\circ}\text{C}\sim+85^{\circ}\text{C}$  (drop point is  $87^{\circ}\text{C}$  , flash point is  $240^{\circ}\text{C}$  );
3. Recommended diameter for drum and pulley groove:  $D=1.06\sim 1.1d$ ; Suggestion for pulley diameter:  $D\geq 20d$ ,  $D=25d$  is even better! ( $D$  is the pulley,  $d$  is the diameter of the steel wire rope)
4. It is recommended that the inclination angle (entry angle) of the rotating steel wire rope be within  $3^{\circ}$  , and preferably within  $2.5^{\circ}$  !
5. It is recommended that the inclination angle of the non-rotating steel wire rope be within  $1.5^{\circ}$  .

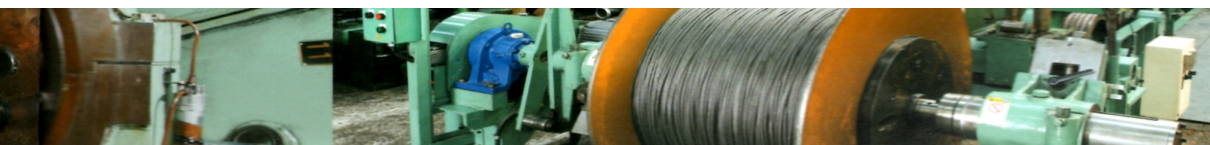
## 特种钢丝绳产品

### SPECIAL STEEL WIRE ROPE PRODUCTS

文盛科技所生产的特种钢丝绳产品，目前主要为轻量化（欧式）起重机使用。产品已在汽车、造纸、冶金等各个行业进行使用，其主要特点是：

1. 高稳定性，让客户放心使用；
2. 高破断拉力，满足起重机安全系数要求和高工作级别使用要求；
3. 高抗挤压性，满足单层缠绕的同时亦能满足多层缠绕；
4. 高韧性，抗冲击载荷更好；
5. 高使用寿命，降低客户使用成本。

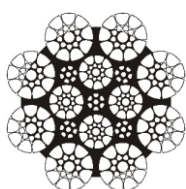
The special steel wire rope products produced by WINDSOON Technology are currently mainly used for lightweight (European style) cranes. The product has been used in various industries such as automotive, papermaking, metallurgy, etc. Its main features are:



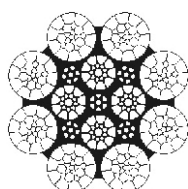
1. High stability, allowing customers to use with confidence;
2. High breaking force, meeting the safety factor requirements and high working level usage requirements of the crane;
3. High resistance to compression, suitable for both single-layer and multi-layer winding;
4. High toughness, better resistance to impact loads;
5. High service life, reducing customer usage costs.

## 轻量化(欧式)起重机用高破断拉力特种钢丝绳

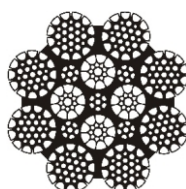
Special steel wire rope with high breaking force for lightweight (European style) cranes



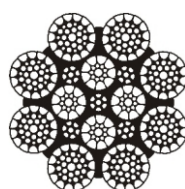
WST819SC



WST826SC



WST831SC



WST836SC

直径 Dia.	镀锌钢丝绳 Galvanized Steel Wire Rope		大约重量 Approximately weight	备注
	抗拉强度 Tensile strength	2160N/mm <sup>2</sup> 220kg/mm <sup>2</sup>		
	最小破断拉力 MBL			
mm	KN	T	kg/m	
6	40	4.07	0.200	WST819SC WST826SC
6.4	45	4.58	0.21	
7	52	5.30	0.252	
8	70	7.13	0.343	
9	90	9.17	0.430	
10	104	10.60	0.531	
11	130	13.25	0.627	
12	155	15.8	0.750	
13	180	18.34	0.897	WST826SC WST831SC
14	210	21.4	1.040	
15	240	24.46	1.184	WST826SC WST831SC WST836SC
16	280	28.54	1.360	
17	305	31.09	1.44	
18	350	35.67	1.67	

备注：1.由于多方面原因，技术参数可能会进行调整，恕不另行通知。

Due to various reasons, technical parameters may be adjusted without prior notice.

2.如果需要更多参数，请联系我们。If you need more parameters, please contact us.

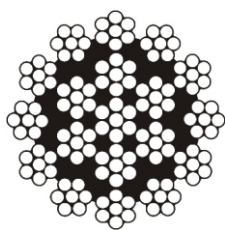
执行标准：欧盟EN12385-4 (Execution standard: EU EN12385-4)

中国黑色冶金行业标准YB/T 5359-2011(Chinese Black Metallurgy Industry Standard YB/T 5359-2011)

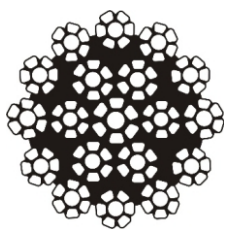


# 阻（抗）旋转特种钢丝绳

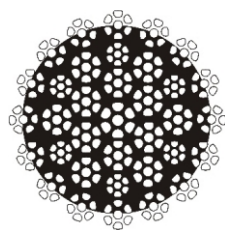
Non-rotating special steel wire rope



WST197



WST197C



WST35C

直径	镀锌阻旋转钢丝绳 Galvanized non rotating special steel wire rope		大约重量 Approximately weight	备注
	抗拉强度 Tensile strength	2160N/mm <sup>2</sup> 220kg/mm <sup>2</sup>		
Dia.	最小破断拉力 MBL			
	mm	KN	T	
3.2	7	0.713	0.0373	WST197 (1770N/mm <sup>2</sup> )
5	17	1.73	0.1	
6	29	2.95	0.1548	
7	40	4.07	0.2107	WST197K
8	59	6.01	0.325	
9	79	8.05	0.386	WST35C
10	97	9.88	0.476	
11	117	11.9	0.576	
12	140	14.2	0.686	
13	164	16.7	0.805	
14	191	19.5	0.934	
15	219	22.3	1.072	
16	249	25.4	1.22	
17	281	28.6	1.377	
18	314	32	1.544	

备注：1.由于多方面原因，技术参数可能会进行调整，恕不另行通知。

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执行标准：欧盟EN12385-4 (Execution standard: EU EN12385-4)

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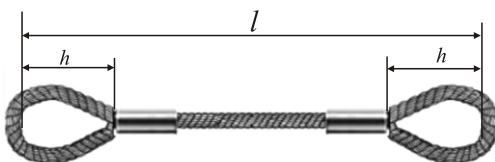






# 轻型高拉力钢丝绳吊索具

## Lightweight high tensile steel wire rope sling

说明:

1. 双耳软环吊索，可加轻型套环、重型套环；
2. 软环长度 $h$ 为钢丝绳直径的15倍，若需要特殊尺寸可定制；
3. 吊索最短长度为钢丝绳直径的70倍，不足1米长度的按1米计算。



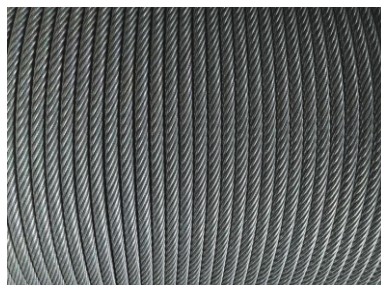
规格型号	表面	直径	基础长度 L	额定载荷/ WLL				基础重量约为	钢丝绳约重
									
				T	T	T	T		
WSRHDS6 O-O	镀锌	6	1	0.68	1.36	0.95	0.68	0.29	0.184
WSRHDS7 O-O	镀锌	7	1	0.77	1.54	1.08	0.77	0.39	0.25
WSRHDS8 O-O	镀锌	8	1	1.25	2.50	1.75	1.25	0.54	0.326
WSRHDS9 O-O	镀锌	9	1	1.59	3.18	2.23	1.59	0.72	0.413
WSRHDS10 O-O	镀锌	10	1	1.89	3.78	2.65	1.89	0.92	0.51
WSRHDS11 O-O	镀锌	11	1	2.35	4.70	3.29	2.35	1.16	0.617
WSRHDS12 O-O	镀锌	12	1	2.73	5.46	3.82	2.73	1.41	0.734
WSRHDS13 O-O	镀锌	13	1	3.21	6.42	4.49	3.21	1.7	0.862
WSRHDS14 O-O	镀锌	14	1	3.72	7.44	5.20	3.72	2.12	1
WSRHDS15 O-O	镀锌	15	1.05	4.29	8.58	6.00	4.29	2.52	1.15
WSRHDS16 O-O	镀锌	16	1.12	4.90	9.8	6.86	4.90	3.09	1.31
WSRHDS18 O-O	镀锌	18	1.26	6.24	12.48	8.73	6.24	4.41	1.65
WSRHDS20 O-O	镀锌	20	1.4	7.67	15.34	10.66	7.67	6.01	2.04
WSRHDS22 O-O	镀锌	22	1.54	9.27	18.54	12.97	9.27	7.87	2.47
WSRHDS22 O-O	光面	22	1.54	7.78	15.56	10.89	7.78	7.06	2.19
WSRHDS24 O-O	光面	24	1.68	9.25	18.5	12.95	9.25	9.01	2.61
WSRHDS26 O-O	光面	26	1.82	10.92	21.84	15.28	10.92	11.37	3.06
WSRHDS28 O-O	光面	28	1.96	12.53	25.06	17.54	12.53	14.29	3.55

备注:

- ①安全系数为5:1;
- ②进口无缝铝套，执行德国DIN 3093标准;
- ③需要更多规格信息请联系我们。



阻(抗)旋转钢丝绳



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