



WANZHI STEEL

2022

镀锌丝产品介绍

GALVANIZED WIRE PRODUCT INTRODUCTION

—— 万智 · 集团 ——

WANZHI GROUP



万众同心，智慧先行

UNITE AS ONE.

LEAD WITH

WISDOM.

万智钢铁是中国领先的钢铁产品生产商，负责协调销售，仓储，深加工，分销，出口，以满足客户对钢铁供应链的需求。



企业目录

ENTERPRISE DIRECTORY



PART01 公司概况 Company Profile	01
PART02 工厂车间 Factory Workshop	02
PART03 热镀锌丝 Hot Dipped Galvanized Wire	04
PART04 电镀锌丝 Electro Galvanized Wire	06
PART05 锌铝合金丝 Zinc Aluminium Alloy Wire	07
PART06 衣架专用丝+衣架 Clothes Hanger & Wire	08
PART07 桶提梁专用丝+桶提梁 Bucket Handle & Wire	09
PART08 制钉丝 Staple & Wire	11
PART09 钢绞线 Steel Strand	12
PART10 截断丝 Cut Wire / 扣丝 Loop Tie Wire	13
PART11 U型丝 U Type Wire / 打包丝 Baling Wire	14
PART12 PVC丝 PVC Wire	15





公司概况

COMPANY PROFILE

万智钢铁是中国领先的钢铁产品生产商，负责协调销售，仓储，深加工，分销，出口，以满足客户对钢铁供应链的需求。

我们的办公室位于河南省郑州市，工厂位于山东省，靠近青岛港。我们的产品涵盖碳钢，不锈钢，冷轧和热轧板，GI，GL，PPGI，PPGL，瓦楞屋顶板，夹心墙板，角钢，钢筋，钢管，钢带等，可根据客户要求定制。

Wanzhi Steel is a leading manufacturer of steel products in China, which coordinates sales, warehousing, deep processing, distribution, exporting to meet customers' steel supply chain needs.

Our office is located in Zhengzhou, Henan Province, and the factory is in Shangdong Province, which is near to Qingdao Port. Our products cover carbon steel, stainless steel, cold-rolled and hot-rolled sheet, GI, GL, PPGI, PPGL, corrugated roofing sheet, sandwich wall panel, steel angle, steel bar, steel tube, steel strip, etc., which can be customized according to customers requirements.



工厂车间

FACTORY WORKSHOP

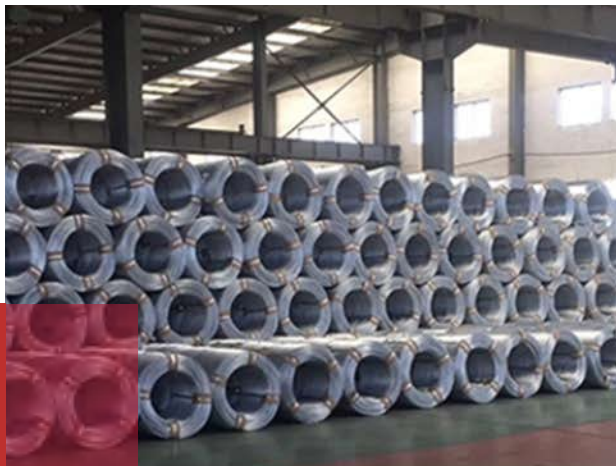




工厂车间

FACTORY WORKSHOP





工厂车间

FACTORY WORKSHOP



热镀锌丝

Hot Dipped Galvanized Wire

热镀锌铁丝采用优质Q195低碳环保钢材，经过先进的生产工艺拉拔-退火-酸洗-热镀锌而成，色泽光亮，丝质柔软，丝径范围较广，从0.5-5.0mm。使用寿命可达十几年之久。根据上锌量的不同可以分为普通热镀锌丝和高锌热镀锌丝。

Hot dipped galvanized iron wire is made of high quality Q195 low-carbon environment-friendly steel, through advanced production process of drawing - annealing - pickling - hot dip galvanized, with bright color, soft silk and wide diameter range from 0.5-5.0mm. The service life can reach more than ten years. According to the amount of zinc on the different can be divided into ordinary hot dip galvanized wire and high zinc hot dip galvanized wire.

Diameter Range	BWG 6 - BWG 26
Zinc Coated	40-350 g/m ²
Tensile Strength	350-550 N/mm ²
Elongation	15%
Coil Weight	1kg-1000kg or as clients requirements





线规和直径

Common Wire Gauge and Diameters Table

Gauge	SWG		BWG		AWG	
	Inch	mm	Inch	mm	Inch	mm
8	0.16	4.046	0.165	4.191	0.1285	3.264
9	0.144	3.658	0.148	3.759	0.1144	2.906
10	0.128	3.215	0.134	3.404	0.1019	2.588
11	0.116	2.946	0.12	3.048	0.0907	2.305
12	0.104	2.642	0.109	2.769	0.0808	2.053
13	0.092	2.337	0.095	2.413	0.072	1.828
14	0.08	2.032	0.083	2.108	0.0641	1.628
15	0.072	1.829	0.072	1.829	0.0571	1.45
16	0.064	1.626	0.065	1.651	0.0508	1.291
17	0.056	1.422	0.058	1.473	0.0453	1.15
18	0.048	1.219	0.049	1.245	0.0403	1.024
19	0.04	1.016	0.042	1.067	0.0359	0.912
20	0.036	0.914	0.035	0.839	0.032	0.812
21	0.032	0.813	0.032	0.831	0.0285	0.723
22	0.028	0.711	0.028	0.711	0.02535	0.644
23	0.024	0.61	0.025	0.635	0.02256	0.573
24	0.022	0.559	0.022	0.559	0.02011	0.511
25	0.02	0.508	0.02	0.508	0.01791	0.455
26	0.018	0.457	0.018	0.457	0.01594	0.405



电镀锌丝

Electro Galvanized Wire

电镀锌丝采用精选优质Q195, Q235低碳钢材经过先进的设备进行拉拔-退火-酸洗-镀锌而成。色泽光亮, 防锈耐腐蚀。广泛应用与农业, 建筑, 丝网制造行业。

我们生产的电镀锌丝亮度好, 软硬适中。丝径范围较广可以从0.25mm做到5.00mm。盘重范围0.3公斤--100公斤每卷。由于我公司技术人员的研究, 上锌量达到25g/m², 这无疑可以起到更好的防锈防污抗氧化的作用, 在同行业中遥遥领先。Electro-galvanizing wire is made of selected high quality Q195, Q235 low carbon steel through drawing, annealing, pickling and galvanizing by advanced equipment. Bright color, rust resistance and corrosion resistance. Widely used in agriculture, construction, screen manufacturing industry.

The electric galvanized wire produced by us has good brightness and moderate hardness. The wire diameter range is wide from 0.25mm to 5.00mm. Plate weights range from 0.3kg to 100kg per reel. Due to the research of our company's technical personnel, the amount of zinc reached 25g/m², which can undoubtedly play a better role in antirust, antifouling and oxidation resistance, far ahead in the same industry.



物理性质

Physical Properties

Tensile Strength	350-550 N/mm ² , 680-850 N/mm ²
Zinc Coating	8-25 g/m ²
Elongation Rate	10%-25%



包装标准

Standard Packaging

Diameter (mm)	Coil Size	Spool Packing	big coil packing max 1000kg	
			(mm) ID	(mm) OD
0.25-0.45	8"	1-100kg axis		
0.46-0.60	8" 12"	1-100kg axis		
0.61-1.60	12" 14" 16"	1-100kg axis	250-400	400-770
1.61-5.00			450	800



锌铝合金丝

Zinc Aluminium Alloy Wire

锌铝合金丝，又称高尔凡丝，根据含量不同分为5%铝高尔凡，和10%铝高尔凡丝，被广泛应用于低碳、高碳钢的各种产品。我公司在锌铝合金丝的生产上有多年的经验，并且有完整的生产流水线和生产管理系统，来保证更高质量的锌铝合金丝，生产标准遵从ASTM或客户指定的规格。

Zinc aluminum alloy wire, also known as Galvan wire, according to the different content is divided into 5% aluminum Galvan, and 10% aluminum Galvan wire, is widely used in low carbon, high carbon steel products. Our company has many years of experience in the production of zinc-aluminum alloy wire, and has a complete production line and production management system, to ensure higher quality zinc-aluminum alloy wire, production standards comply with ASTM or customer specified specifications.



线规和直径

Common Wire Gauge and Diameters Table

Gauge	SWG		BWG		AWG	
	Inch	mm	Inch	mm	Inch	mm
5	0.212	5.385	0.220	5.588	0.182	4.621
6	0.192	4.877	0.203	5.156	0.162	4.115
7	0.176	4.47	0.180	4.572	0.144	3.665
8	0.159	4.046	0.165	4.191	0.129	3.264
9	0.144	3.658	0.148	3.759	0.1144	2.906
10	0.128	3.215	0.134	3.404	0.1019	2.588
11	0.116	2.946	0.12	3.048	0.0907	2.305
12	0.104	2.642	0.109	2.769	0.0808	2.053
13	0.092	2.337	0.095	2.413	0.072	1.828
14	0.08	2.032	0.083	2.108	0.0641	1.628
15	0.072	1.829	0.072	1.829	0.0571	1.45
16	0.064	1.626	0.065	1.651	0.0508	1.291
17	0.056	1.422	0.058	1.473	0.0453	1.15
18	0.048	1.219	0.049	1.245	0.0403	1.024
19	0.04	1.016	0.042	1.067	0.0359	0.912
20	0.036	0.914	0.035	0.839	0.032	0.812

衣架专用丝+衣架

Clothes Hanger & Wire

我们公司专业生产用于制作一次性衣架高品质镀锌丝。它是由精选的低碳钢丝，经过全封闭的先进流水线工艺退火拉拔和均匀镀锌后，再经过精密的专业设备拉拔而成。具有表面光亮，洁净，抗拉强度极高的特点，它独特的优势成为欧美市场流行的一次性衣架专用丝。

我公司经过多年反复提升质量，加强了锌层厚度和均匀附着力，现在的上锌量可以达到 $38\text{g}/\text{m}^2$ ，具有高抗腐蚀性，耐氧化的特点，使保持表面光亮的时间更长久。抗拉强度提升到了 $780\text{-}860\text{N}$ 或者 Mpa/mm^2 ，延伸率达到15%，制作出来的衣架承重达到大于等于 2kg 。常用规格有直径 1.9mm ， 2.0mm ， 2.2mm ， 2.3mm 。

Our company specializes in producing high quality galvanized wire for disposable hangers. It is made of selected low carbon steel wire, after annealing and drawing with advanced closed assembly line process and even galvanizing, and then drawing with precise professional equipment. With the characteristics of bright surface, clean surface and high tensile strength, it has become the popular disposable hanger silk in European and American markets.

After years of repeated quality improvement, our company has strengthened the thickness and uniform adhesion of zinc layer. Now the amount of zinc can reach $38\text{g}/\text{m}^2$. It has the characteristics of high corrosion resistance and oxidation resistance, so that it can keep the surface bright for a longer time. The tensile strength is increased to $780\text{-}860\text{N}$ or Mpa/mm^2 , the elongation rate reaches 15%, and the load-bearing capacity of the produced hanger reaches more than or equal to 2kg . Common specifications are 1.9mm in diameter, 2.0mm , 2.2mm , 2.3mm .

物理性质

Physical Properties

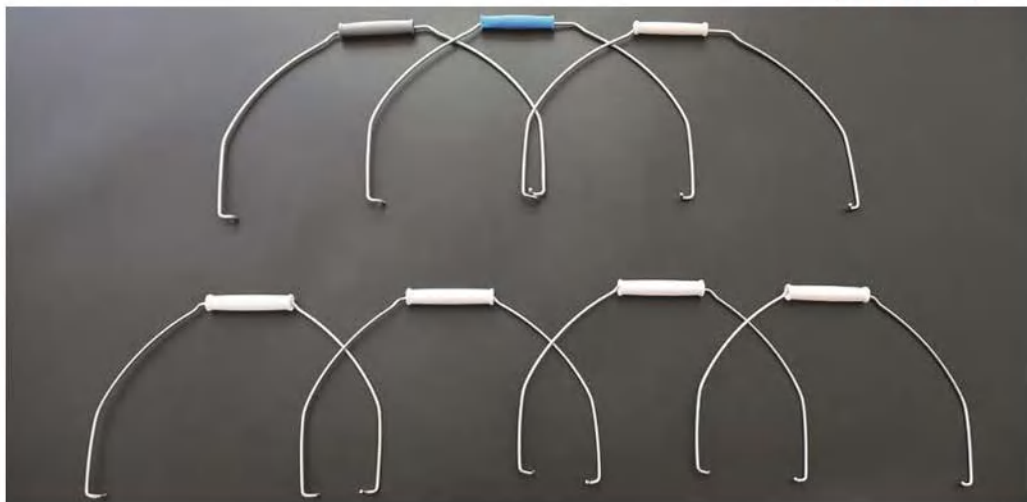
Zinc Coated(g/sqm)	Tensile Strength(g/sqmm)
15-38	780-860



线规和直径

Common Wire Gauge and Diameters Table

Gauge	SWG		BWG		AWG	
	Inch	mm	Inch	mm	Inch	mm
12	0.104	2.642	0.109	2.769	0.0808	2.053
13	0.092	2.337	0.095	2.413	0.072	1.828
14	0.08	2.032	0.083	2.108	0.0641	1.628
15	0.072	1.829	0.072	1.829	0.0571	1.45





桶提梁专用丝+桶提梁 Bucket Handle & Wire

采用优质中碳钢线材，经过拉拔成型，中温退火，酸洗除锈，镀锌，拉拔加硬等加工完成，它具有良好的韧性和弹性，抗拉强度高，同时镀锌层厚，抗腐蚀性强等特性，成为桶提梁专用丝，也成手丝。

产品横截面是圆形，用精密仪器拉拔，丝径误差±0.01mm，主要的规格是2.5-4.0mm，抗拉强度达到650MPa以上，上锌高达25-35g/mm²，使用寿命长，承重量大，可以用于5L-25L的涂料化工油桶。

Bucket handle wire, or wire handler, is made of high quality medium carbon steel wire, after drawing molding, medium temperature annealing, pickling rust removal, galvanized, drawing hardening treatment, with good toughness and elasticity, high tensile strength, at the same time, thick galvanized layer, strong corrosion resistance and other characteristics, into special steel wire for barrel girder, also into hand steel wire.

Product cross section is round, with precision instrument drawing, wire diameter error ±0.01mm, the main specification is 2.5-4.0mm, tensile strength above 650Mpa, galvanized amount up to 25-35g/mm², long service life, large load-bearing weight, can be used for 5L-25L paint chemical oil drum.

物理性质 Physical Properties

Zinc Coated(g/sqm)	Tensile Strength(g/sqmm)
23-35	650-800

线规和直径 Common Wire Gauge and Diameters Table

Gauge	SWG		BWG		AWG	
	Inch	mm	Inch	mm	Inch	mm
6	0.192	4.877	0.203	5.156	0.162	4.115
7	0.176	4.47	0.180	4.572	0.144	3.665
8	0.16	4.046	0.165	4.191	0.1285	3.264
9	0.144	3.658	0.148	3.759	0.1144	2.906
10	0.128	3.215	0.134	3.404	0.1019	2.588
11	0.116	2.946	0.12	3.048	0.0907	2.305
12	0.104	2.642	0.109	2.769	0.0808	2.053
13	0.092	2.337	0.095	2.413	0.072	1.828

制钉丝 Staple & Wire

制钉丝采用优质镀锌丝或不锈钢丝经过排列、压扁、黏合、截断成型、烘干打包等步骤制成，品种多样，用途广泛。根据材质的不同，可分为铁钉、钢钉和不锈钢钉。根据用途的不同，可分为直排钉、蚊钉、码钉、箱钉、C型钉、角钉和波浪钉等，广泛应用于钢木家具，塑钢门窗，空调，冰箱，室内外装修，锅炉，广告铁架，玻璃幕墙，彩钢板，轻钢龙骨，金属网片的连接，适用于各类组装和绑定鸡笼、床垫、沙发家具、汽车座套、养殖网箱、纤维板、石膏板的板面等的固定等行业。

The nail wire is made of high quality galvanized wire or stainless steel wire after arrangement, flattening, bonding, trapping molding, drying and packaging, etc. It has a variety of varieties and a wide range of uses. According to the different material, can be divided into iron nails, steel nails and stainless steel nails. According to the different uses, can be divided into straight nail, mosquito nail, code nail, box nail, C-type nail, corner nail and wave nail, widely used in steel and wood furniture, plastic steel doors and Windows, air conditioning, refrigerators, indoor and outdoor decoration, boilers, advertising iron frame, glass curtain wall, color steel, light steel keel, metal mesh connection, It is suitable for all kinds of assembly and binding of chicken cages, mattresses, sofa furniture, car seat covers, breeding net cages, fiberboard, gypsum board and other fixed industries.

物理性质 Physical Properties

Zinc Coated(g/sqm)	Tensile Strength(g/sqmm)
23-35	650-800



线规和直径 Common Wire Gauge and Diameters Table

Gauge	SWG		BWG		AWG	
	Inch	mm	Inch	mm	Inch	mm
14	0.08	2.032	0.083	2.108	0.0641	1.628
15	0.072	1.829	0.072	1.829	0.0571	1.45
16	0.064	1.626	0.065	1.651	0.0508	1.291
17	0.056	1.422	0.058	1.473	0.0453	1.15
18	0.048	1.219	0.049	1.245	0.0403	1.024
19	0.04	1.016	0.042	1.067	0.0359	0.912
20	0.036	0.914	0.035	0.839	0.032	0.812
21	0.032	0.813	0.032	0.831	0.0285	0.723
22	0.028	0.711	0.028	0.711	0.02535	0.644
23	0.024	0.61	0.025	0.635	0.02256	0.573
24	0.022	0.559	0.022	0.559	0.02011	0.511
25	0.02	0.508	0.02	0.508	0.01791	0.455
26	0.018	0.457	0.018	0.457	0.01594	0.405

钢绞线

Steel Strand

钢绞线是由多根优质钢丝绞合而成的钢铁制品，强度高，松弛性好，展开平直，由两根、三根或七根钢丝捻制而成。适用于承力索、拉线、加强芯，架空输电的地线、公路两边的阻拦索、或建筑结构中的结构索等。

Stranded steel wire is composed of a number of high quality steel wire stranded steel products, high strength, good relaxation, spread out straight, by two, three or seven steel wire twist. It is suitable for bearing cable, stay line, strengthening core, ground wire of overhead transmission, blocking cable on both sides of highway, or structural cable in building structure, etc.

物理性质

Physical Properties

Zinc Coated(g/sqm)	Tensile Strength(g/sqmm)
220-270	1100-1800

钢绞线规范

Specification for Steel Strand Wires

Wire Dia mm	Strand Dia mm	Cross-sectional Area mm ²	Weight Kg/100m	Numbers of Wire
1.0	3.0	5.5	4.37	7
1.2	3.6	7.92	6.92	7
1.4	4.2	10.78	8.56	7
1.6	4.8	14.07	11.17	7
1.8	5.4	17.81	14.14	7
2.0	6.0	21.99	17.46	7
2.2	6.0	25.0	22.77	7
2.6	7.8	37.17	29.51	7
3.0	9.0	50.00	42.37	7
1.6	8.0	38.2	31.8	19
1.8	9.0	48.35	40.25	19
2.0	10.0	59.69	49.69	19
2.2	11.0	72.22	60.12	19
2.4	12.0	85.95	71.55	19
2.5	12.5	93.27	77.64	19
2.6	13.0	100.88	83.98	19
2.8	14.0	116.99	97.39	19
3.0	15.0	134.3	111.8	19



截断丝
Cut Wire

材质: Q195低碳钢丝

用途: 截断丝广泛应用于建筑行业绑丝以及其他日常捆绑丝。

Material: Q195 low carbon steel wire

Application: Truncated wire is widely used in construction industry and other daily binding wire.



Standard Size	BWG 8-22,length customizable	
Diameter	0.70mm-4.00mm	
Tensile Strength	350-550N/mm ²	
Zinc Coated	8-70g/m ²	
Packing	10kg/carton then 1 ton/wooden pallet	

扣丝
Loop Tie Wire

材质: 黑铁丝, 电镀锌丝, 热镀锌丝, PVC包塑丝。

应用: 扣丝通常用于建筑行业或日常应用的捆绑丝等用途。

Material: black iron wire, electric galvanized wire, hot galvanized wire, PVC coated wire.

Application: Buckle wire is usually used in the construction industry or in daily applications such as binding wire.



Length	75mm,100mm,125mm,180mm,255mm,400mm	
Wire Diameter	Black Annealed Wire Ties	1.0mm,1.25mm,1.6mm
Number of Per Coil	Galvanized Wire Ties	0.9mm,1.25mm,1.6mm
Zinc Coated	1000,2000,5000	
Other sizes can be available according to clients' requests.		

U型丝
U Type Wire

Materials	Galvanized wire,black annealed iron wire,PVC coated wire.
Wire Diameter	BWG 16,17,18,19,20,21,22,23 0.6mm,0.7mm,0.8mm,0.9mm,1.0mm, 1.2mm,1.45mm,1.5mmetc.
Tensile Strength	350-450N/mm ²
Packing	10kg/carton,1 ton/wooden pallet
Package	Inside by PVC strips,outside by hessian. Inside by PVC strips,outside by white weave bag.



打包丝
Baling Wire

材质：黑铁丝、镀锌丝、钢丝

用途：用于棉花打包、回收站、废纸回收的捆绑及绑扎。

Material: black iron wire, galvanized wire, steel wire

Uses: Used for binding and binding of cotton packing, recycling station and waste paper recycling.

Wire Gauge,Thicknesses	11,12,13,14 and 15 gauge.
Length	6 to 30 feet
Package	60/100/125/250 pcs/bundle, 50/55/60 bundle/pallet
Type	single or double loope twist
Tensile Strength	350-680 N/mm ² ,750-1200 N/mm ²



PVC丝
PVC Wire

颜色型号：墨绿、草绿、白色、黑色等。

包装方式：根据客户要求。

应用：PVC丝广泛应用于动物饲养防护，水产养殖，农业，林区防护，体育馆等。

Color model: dark green, grass green, white, black, etc.

Packing mode: according to customer requirements.

Application: PVC wire is widely used in animal feeding and protection, aquaculture, agriculture, forest protection, gymnasium, etc.



Specification	Core Wire Diameter	Diameter After Coated
	0.4mm	0.6mm
	0.5mm	0.7mm
	0.7mm	0.9mm
	0.8mm	1.0mm
	1.0mm	1.4mm
	1.4mm	2.0mm
	2.0mm	3.0mm
	2.5mm	3.5mm
3.0mm	4.0mm	
Tensile Strength	400-600N/mm ²	
Weight/Coil	0.1kg-500kg/coil	
Packing	Small coils of 50m,100m,150m,200m,and so on. Plastic inside and hessian woven outside, and nylon woven outside	



CONTACT US

万智集团有限公司
(<https://wanzhisteel.com>)



河南省郑州市二七区兴华南街升龙城8号院B座1012室

Room 1012, Block B, Yard 8, Shenglongcheng, Xinghua South Street,
Erqi District, Zhengzhou City, Henan Province.



Cherry Wang: sales02@wanzhisteel.com
Stanley Wong: sales03@wanzhisteel.com
Jessica Xu: sales01@wanzhisteel.com



Telephone: +86 0371-66871550
Cherry Wang: +86 189-3770-9856
Stanley Wong: +86 133-1488-3680
Jessica Xu: +86 136-7335-2881