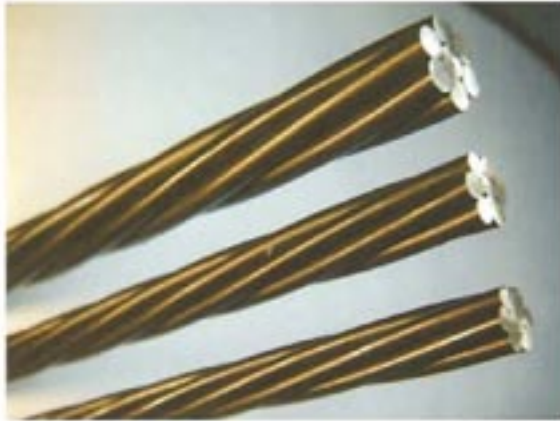


1 × 7低松弛预应力钢绞线

Low Relaxation PC Strand



银龙拥有三条预应力钢绞线生产线，年产量8万吨，是中国最早大批量向欧美市场出口预应力钢绞线的企业，过去的几年中，我们全力确保了青藏铁路、南贵铁路、京九铁路等大型高速公路各工程项目用预应力钢绞线。银龙预应力钢绞线被应用于中国首条城际高速铁路——京津城际高速铁路超大型桥梁中。

SD has three PC strand production lines with the annual output of 80,000 tons and China is the earliest who exported PC strand in quantity to occident markets. In the last few years, we ensured the PC strand for the huge express way projects such as Qingzang Railway, Shuchuang Railway, Jingjiu Railway and so on. SD's PC strand is used in the super-huge bridge of Chinese first city border express railway—Jingjin City Border Express Railway.

银龙可以向客户提供下列标准产品，同时可根据客户要求来生产不同直径和力学性能的预应力钢绞线。

SD can supply products as per the following standards and can produce the PC strand with different diameters and mechanical properties as per the customers' requirement.

包装说明:

我们有出口33个国家的丰富经验，我们向客户学会了任何要求的包装方式和装卸方式。

Packaging instruction:

We have mastered rich experience by exporting to 33 countries and have learned all kinds of packaging & lading ways from customers.

交货计量:

可以按吨公制吨、磅制吨、米和英尺为单位向客户交货，以满足不同国家的计量方法。我们向美国客户一般提供12000ft和13500ft长度的卷包装。

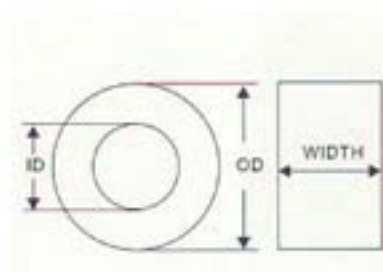
Delivery measurement:

We can deliver goods with metric ton, lbs, m or ft as unit. Usually we supply USA customers with approx.12000ft and 13500ft coils.

GB/T5224-2003
ASTMA416/A416M-2002
BS5896-1980
JISG3536-1994
AS1311-1987
EN10138-2004
UNE36094-1997
ISO6934/4-1991



卷内径 (Coil ID):
76cm(30in);
卷外径 (Coil OD):
125cm(49in)140cm(55in);
卷宽度 (Coil Width):
76cm(30in)
卷重 (Coil Weight):
2500kg(5500lbs)-4000kg(8800lbs)





天津市著名商标
Tianjin Well-known Trademark



GB/5224-2003标准1×7低松弛预应力钢绞线技术指标

Technical Data of 1 × 7 Low Relaxation PC Strand as per GB/T5224-2003 Standard

公称直径 Nominal Diameter mm	允许偏差 Tolerance mm	横截面积 Sectional Area mm ²	参考质量 Mass g/m	抗拉强度 Tensile Strength R _m /Mpa	整根绞线最大力 Max. Strength F _m /kN	规定非比例延伸力 Yield Strength F _{0.2} /kN	最大力总伸长率 Elongation (L ₀ ≥500mm) A _g	应力松弛性能 Relaxation										
								初始负荷相当于公称最大力的百分数 (对所有规格) Initial load being percentage of nominal breaking strength (for all sizes)	1000hs 应力松弛率 r (对所有规格) 1000hs stress relaxation rate (for all sizes)									
9.50	+0.30 -0.15	54.8	430	1720	94.3	84.9	(对所有规格) (for all sizes)	60%	≤1.0%									
				1860	102	91.8												
				1960	107	96.3												
11.10		74.2	582	1720	128	115				≥3.5%	70%	≤2.5%						
				1860	138	124												
				1960	145	131												
12.70		98.7	775	1720	170	153							≥3.5%	80%	≤4.5%			
				1860	184	166												
				1960	193	174												
15.20	+0.40 -0.20	140	1101	1470	206	185										≥3.5%	80%	≤4.5%
				1570	220	198												
				1670	234	211												
				1720	241	217												
				1860	260	234												
15.70		150	1178	1770	266	239	≥3.5%	80%	≤4.5%									
				1860	279	251												
17.80		191	1500	1720	327	294				≥3.5%	80%	≤4.5%						
				1860	353	318												

ASTMA416-1998标准和ASTMA416-2002预应力混凝土用无镀层七根钢丝的钢绞线技术指标

Technical Data Steel Strand, Uncoated Seven-Wire for Prestressed Concrete under ASTMA416-1998 & ASTMA416-2002 Standard

规格 Grade	公称直径 Nominal Diameter mm(in)	允许偏差 Tolerance mm(in)	横截面积 Sectional Area mm ²	1000m 理论重量 Theoretical Weight Kg/1000m (lb/1000ft)	最小断裂强度 Minimum Breaking Strength KN(lbf)	1%伸长最小负荷 Minimum Load at 1% Extension KN(lbf)	伸长率 Minimum Elongation (L ₀ ≥610mm) %	应力松弛 Relaxation Value (1000hs)	
								Initial Load 70%	Initial Load 80%
250	9.53(3/8)	±0.40 (±0.016)	51.61	405(272)	89.0(20000)	80.1(18000)	3.5	≤2.5%	≤3.5%
	11.11(7/16)		69.68	548(367)	120.1(27000)	106.1(24300)			
	12.70(1/2)		92.90	730(490)	160.1(36000)	144.1(32400)			
	15.24(5/8)		139.35	1094(737)	240.2(23000)	216.2(48600)			
270	9.53(3/8)	+0.65 -0.15 (+0.026 -0.006)	54.84	432(290)	102.3(23000)	92.1(20700)	3.5	≤2.5%	≤3.5%
	11.11(7/16)		74.19	582(390)	137.9(31000)	124.1(27900)			
	12.70(1/2)		98.71	775(520)	183.7(41000)	165.3(37170)			
	15.24(5/8)		140.00	1102(740)	260.7(58000)	234.6(52740)			

无粘结预应力钢绞线

PE Strand



我们选择质量最可靠的护套材料和防腐润滑油以保证无粘结钢绞线良好的品质。该产品主要向亚洲、美洲国家出口，2005年开始向国内供应。

We select the most reliable PVC material and anticorrosive lubricant oil to make sure the best quality of un-bonded strand. Its main overseas markets are Asia and American countries. Since 2005, we set to supply the domestic markets.

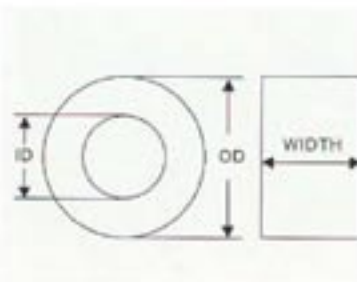
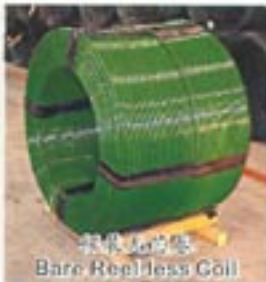
执行标准为JG161-2004，也为客户生产其他强度和直径的无粘结预应力钢绞线。可按客户要求提供符合其他标准的无粘结预应力钢绞线。无粘结钢绞线的颜色由客户任意确定。

The executive standard is JG161-2004. We can also produce other tensile strengths and diameters PE strand as per the specified standard. The color of the PE is up to the choice of the customers.

预应力钢绞线 PC Strand			防腐润滑油质量 Lubricating Oil mass	护套厚度 PVC Cover Thickness	μ	κ
公称直径 Nominal Dia.	公称横截面积 Nominal Sectional Area	公称强度 Nominal Tensile Strength				
mm	mm ²	Mpa	(g/m)	mm		
9.50	54.8	1720	Min 32	0.8	0.04~0.10	0.003~0.004
12.70	98.7	1880	Min 43	1.0		
		1960				
15.20	140.0	1570 1670	Min 50	1.0		
		1880 1960				
15.70	150.0	1770 1860	Min 53	1.0		

护套性能 PVC Cover Property

拉伸强度 Mpa Tensioning Strength	屈服强度 Mpa Yield Strength	断裂伸长率 % Elongation after Breaking
Min 30	Min 10	Min 600



卷内径(Coil ID):
80cm;
卷外径 (Coil OD):
130cm—140cm;
卷宽度(Coil Width):
90cm
卷重 (Coil Weight):
2000kg—1300kg



高强度螺旋肋预应力钢丝

High Tensile PC Steel Wire with Spiral Ribs



螺旋肋预应力钢丝的特点是表面有3至6条连续状凸起的螺旋肋，优点是增加钢丝与混凝土的粘结力，进而提高预应力混凝土制品性能，增加使用寿命。

螺旋肋预应力钢丝是银龙集团独有知识产权的核心产品，涉及三项专利技术和12项创新技术，1992年发明以来，在中国已经成功替代刻痕预应力钢丝被广泛应用于轨枕、电杆杆、空心楼板和先张法预应力混凝土制品中。自1996年起，螺旋肋预应力钢丝开始向国外推广，至现在已经被33个国家的预应力混凝土制品行业所采用。

The character of the spiral rib wire is there are 3-6 protruding ribs on the surface, and the advantage is that it can strengthen the bond between wire and concrete, thus improves the performance of the PC products and extends its life.

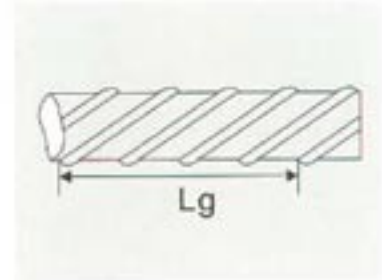
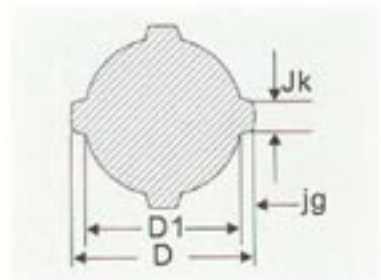
Spiral rib wire is SD Group's core product for which we have its particular intellectual Property Right. It covers 3 patent technologies and 12 creative technologies. Since it was invented in 1992, spiral rib wire has been widely used in the pre-tension concrete products such as railway sleeper, electrical poles and hollow-core floor block. From 1996, the spiral rib wire was spread abroad, and now has been adopted in the Concrete products industry by over 33 countries.

螺旋肋预应力钢丝技术说明 Technical Description of Spiral Ribs Wire

公称直径 Nominal Diameter	允许公差 Diameter Tolerance	横截面积 Area	理论重量 Theoretical Weight	螺旋肋预应力钢丝 Wire Cross-sectional Size				肋宽 Rib Width	肋高 Rib Height	肋间距 Rib Pitch	螺旋长度 Lay Length
				基圆直径 Basic Round Dia (D1)	外径 Outside Dia (D)	肋宽 Rib Width (F)	肋高 Rib Height (H)				
3.80	±0.04	12.57	95.6	3.85±0.05	4.25±0.05	0.90-1.30	0.15-0.25	4	20-30		
4.80	±0.05	18.10	142	4.80±0.05	5.10±0.05	1.30-1.70	0.20-0.30	4	20-30		
5.30	±0.05	19.62	154	4.80±0.05	5.30±0.05	1.30-1.70	0.20-0.30	4	20-30		
6.25	±0.05	24.80	170	6.25±0.05	6.55±0.05	1.40-1.80	0.20-0.30	4	20-30		
6.50	±0.05	26.27	222	6.50±0.05	6.80±0.05	1.60-2.00	0.20-0.30	4	30-36		
6.25	±0.05	30.68	241	6.50±0.05	6.70±0.05	1.60-2.00	0.30-0.40	4	30-40		
7.00	±0.05	36.48	302	6.75±0.05	7.48±0.10	1.80-2.20	0.30-0.40	4	35-45		
7.50	±0.05	44.18	347	7.25±0.05	7.55±0.05	1.90-2.30	0.30-0.40	4	40-50		
8.00	±0.06	50.26	284	7.75±0.05	8.48±0.10	2.00-2.40	0.30-0.40	4	40-50		
9.00	±0.06	63.62	499	8.75±0.05	9.48±0.10	2.10-2.70	0.30-0.40	4	42-52		
9.50	±0.06	70.86	356	9.25±0.05	9.55±0.10	2.20-2.80	0.30-0.40	4	44-55		
10.00	±0.06	78.54	416	9.75±0.05	10.40±0.10	2.30-3.00	0.30-0.40	4	45-58		
12.00	±0.06	113.1	688	11.60±0.05	12.20±0.10	3.00-3.20	0.30-0.40	4	50-60		

关于其他的直径和抗拉强度：银龙可以很方便地为客户生产公称直径3.8mm至12mm之任何规格的螺旋肋预应力钢丝，如3.80mm、5.25mm、5.50mm、6.35mm等，也可以提供其他不同抗拉强度的产品，如1740Mpa(252K)等。

As to the diameter and tensile strength: it is easy for us to produce any specification between 3.8mm—12mm(nominal diameter) for the customers, such as 3.80mm, 5.25mm, 5.50mm, 6.35mm and so on; and we could also offer products with different tensile strengths such as 1740Mpa(252K).



1 × 3低松弛预应力钢绞线

Low Relaxation PC Strand



1 × 3低松弛预应力钢绞线在中国主要应用于空心楼盖、各类预应力板构件。同时应用于国外轨道、电线杆、空心楼盖等预应力混凝土构件中。

1 × 3 low relaxation PC strand is mainly used in the hollow-core floor board, various pre-stressed floor board components in China, meanwhile, it is also used in the overseas pre-stressed concrete components, such as railway sleepers, electrical poles, hollow-core floor board, etc.

包装说明:

我们有出口33个国家的丰富经验，我们向客户学会了任何要求的包装方式和装运方式。

Packaging instruction:

We have mastered rich experience by exporting to 33 countries and have learned any kind of packaging & lading ways required by the customers.

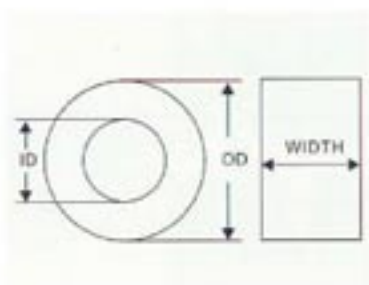
交货计量:

可以按照公吨、英制磅、米和英尺为单位向客户交货，以满足不同国家的计量方法。

Delivery measurement:

We can deliver goods with metric ton, lbs, m or ft as unit. Usually we supply USA customers with approx. 12000ft and 13500ft coils.

公称直径 Nominal Diameter	实际直径 Actual Size	公称截面 Nominal Area	实际截面 Actual Area	重量 Mass	公称抗拉强度 Nominal Tensile Strength			公称抗拉强度 Nominal Tensile Strength	公称抗拉强度 Nominal Tensile Strength	公称抗拉强度 Nominal Tensile Strength	实际抗拉强度 Actual Tensile Strength	
					公称抗拉强度 Nominal Tensile Strength	公称抗拉强度 Nominal Tensile Strength	公称抗拉强度 Nominal Tensile Strength				公称抗拉强度 Nominal Tensile Strength	公称抗拉强度 Nominal Tensile Strength
1.25	1.41	154	154	154	154	154	154	154	154	154	154	154
					154	154	154	154	154			
					154	154	154	154	154			
					154	154	154	154	154			
					154	154	154	154	154			
1.50	1.68	202	202	202	202	202	202	202	202	202	202	202
					202	202	202	202	202			
					202	202	202	202	202			
					202	202	202	202	202			
					202	202	202	202	202			
1.65	1.84	252	252	252	252	252	252	252	252	252	252	252
					252	252	252	252	252			
					252	252	252	252	252			
					252	252	252	252	252			
					252	252	252	252	252			
1.75	1.93	302	302	302	302	302	302	302	302	302	302	302
					302	302	302	302	302			
					302	302	302	302	302			
					302	302	302	302	302			
					302	302	302	302	302			
1.80	2.02	352	352	352	352	352	352	352	352	352	352	352
					352	352	352	352	352			
					352	352	352	352	352			
					352	352	352	352	352			
					352	352	352	352	352			
1.90	2.12	402	402	402	402	402	402	402	402	402	402	402
					402	402	402	402	402			
					402	402	402	402	402			
					402	402	402	402	402			
					402	402	402	402	402			



螺旋肋预应力钢丝特殊的交货状态

The Special Delivery Condition of Spiral Rib PC Wire

根据客户的要求，我们可以对成卷的产品进行定尺切割、端头螺纹等深加工后交货。

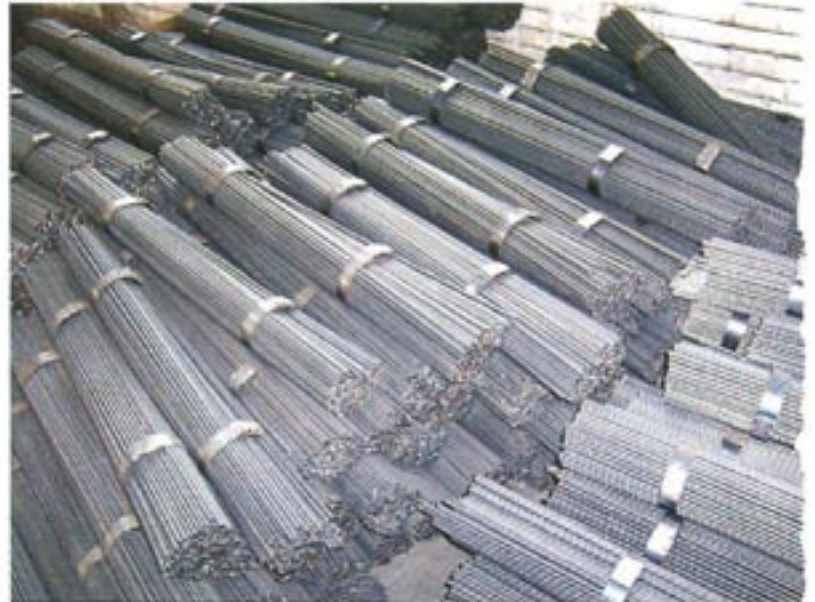
对于定尺切割，我们的精度为 $\pm 2\text{mm}$ 。

对于螺纹加工，我们能够保证 \geq 钢丝强度的90%。

We can make further process to our wire as per customers' requirement, for example, cut the wire coil into certain length and screw at the ends.

As to the fixed-length cutting: the precision is $\pm 2\text{mm}$.

As to the screw at the ends: we can assure its strength is min.90% wire tensile strength.



较低强度的螺旋肋预应力钢丝：

我们可以向客户提供抗拉强度为800Mpa至1370Mpa级别的中强度螺旋肋预应力钢丝（执行YB156标准）。也可以向客户提供更低强度的螺旋肋钢丝。

Spiral Ribs PC Wire with Lower Tensile Strength:

We can offer spiral ribs wire (YB156 standard) with medium tensile strength from 800Mpa to 1370Mpa grade, and can also offer even lower tensile strength' spiral ribs wire.



防腐性能: 本产品具有良好的防腐性, 能够满足德国、法国、美国等国家的防腐标准要求。

国际标准适用性: 螺旋肋预应力钢丝力学性能均可以满足ASTMA881、BS5896、AS1310、En10138、JISG 3536等国际性标准。

Anticorrosive property: The product has very good anticorrosive property, and it meets the standard of corrosion test in Germany, France and America.

Adaptability to International standards: The mechanical properties of spiral ribs wire can meet the international standards of ASTMA881, BS5896, AS1310, En10138, JISG 3536 etc.

公称直径 Nominal Diameter	公称抗拉 Nominal Tensile Strength		公称屈服 Yield Strength	延伸率 Elongation L=200mm	180° 弯曲试验 180° Bending Times		松弛 Relaxation	
	MPa(N/mm ²)	MPa(N/mm ²)			次 Times	弯曲半径 Bending radius mm	条件 Condition	%
4.00				≥3.5	≥3	19	30% 松弛 5 个公称直径 入 90%	≤2.5
4.50	1470	1280	≥3.5	≥4	15	≤2.5		
5.00	1570	1380	≥3.5	≥4	15	≤2.5		
5.25	1670	1470	≥3.5	≥4	15	≤2.5		
6.00	1770	1560	≥3.5	≥4	15	≤2.5		
6.25	1860	1640	≥3.5	≥4	20	≤2.5		
7.00			≥3.5	≥4	20	≤2.5		
7.50	1470 1570	1290 1390	≥3.5	≥4	20	≤2.5		
8.00	1670 1770	1470 1560	≥3.5	≥4	20	≤2.5		
9.00	1470 1570 1670	1290 1380 1470	≥3.5	≥4	25	≤2.5		
9.50			≥3.5	≥4	25	≤2.5		
10.00			≥3.5	≥4	25	≤2.5		
12.00	1470 1570	1290 1380	≥3.5	≥4	30	≤2.5		

说明:

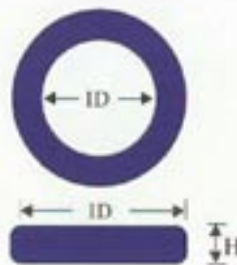
1. 卷重可以按照客户的要求在500公斤至2300公斤之间选择。

2. 为确保货物的海运我们将根据客户的要求进行必要的装船保护措施来确保产品在运输过程中的安全性。

Description:

1. Coil weight can be chosen between 500kg to 2300kg at customer's option.

2. To ensure the goods safety during sea transportation, we take the necessary protective measure.



卷内径 (Coil ID):
Min 170cm
卷外径 (Coil OD):
200cm—225cm
卷厚度 (Coil Thickness):
150mm—350mm
卷重 (Coil Weight):
Min 1500kg



预应力钢棒

PC Bar



巨龙最早将螺旋变形技术应用于普通钢棒生产，是世界最早开创螺旋扭拔变形的创始人，是中国最早的预应力钢棒生产设备研发单位，是中国预应力钢棒用盘条最早的企业研发单位。

SD, the initiator who creates the spiral drawing deforming, is the first one who applies the spiral-deforming drawing technology to PC bar production, and also the first unit who develops the wire rod used in the PC bar.

中国YB111-1997标准和日本JISG3137-1994标准技术指标

Technical Index of YB111-1997 Chinese Standard and JISG3137-1994 Japanese Standard

公称直径 Nominal Diameter	基本直径 Basic Diameter	公称横截面积 Nominal Sectional Area	理论重量 Mass
7.1mm	7.25mm	40.0mm ²	314g/m
8.0mm	8.15mm	64.0mm ²	502g/m
10.7mm	11.1mm	90.0mm ²	706g/m
12.6mm	13.1mm	125.0mm ²	981g/m

巨龙对于预应力钢棒行业的贡献:

研发螺旋变形技术并应用于预应力钢棒生产

研发高频加热设备

研发预应力钢棒用盘条

起草预应力钢棒用盘条标准

参与起草预应力钢棒标准

种类 Type 代号 Symbol	规定非比例 伸长应力 Yield Strength	抗拉强度 Tensile Strength	伸长率 Elongation	松弛率 Relaxation
SBPDL900/1080	≥ 930Mpa	≥ 1080Mpa	≥ 5%	≤ 4%
SBPDL900/1080				≤ 2.5%
SBPDL1080/1230	≥ 1080Mpa	≥ 1230Mpa		≤ 4%
SBPDL1080/1230				≤ 2.5%
SBPDL1275/1420	≥ 1275Mpa	≥ 1420Mpa		≤ 4%
SBPDL1275/1420				≤ 2.5%

SD's contribution to PC bar

Created the spiral deforming technology and applied it in PC bar production

Invented high-frequency heating equipment

Developed wire rod used in PC bar

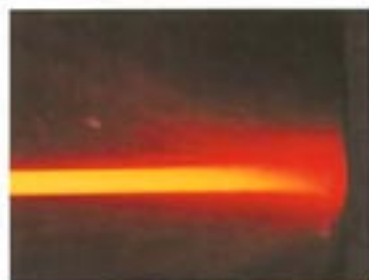
Drafted standard for wire rod used in PC bar

Participated in the drafting of PC bar standard

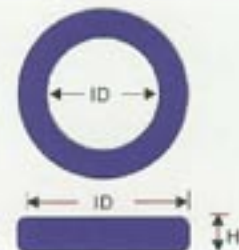


同时可以提供符合韩国KS3505-1997标准的预应力钢棒，也向客户提供直径为5.0mm/5.1mm/6.0mm/6.1mm等不同直径的预应力钢棒。

We can supply PC bar, with diameters 5.0mm/5.1mm/6.0mm/6.1mm, etc, according to the KS3505-1997 standard.



卷内径 (Coil ID):
Min 170cm
卷外径 (Coil OD):
200cm—225cm
卷厚度 (Coil Thickness):
150mm—350mm
卷重 (Coil Weight):
800kg—2000kg



经销产品

Distribution Products



2002年，承建孟加拉空心楼板混凝土制品生产线
In 2002, we helped our Bangladesh customer set up hollow-core floor board production line

热轧螺纹钢产品

满足中国GB1449-1998标准和英国BS4449-1997标准。直径12mm至40mm，标准长度为6m、9m、12m，也可以按照客户要求定制轧制。

Hot-rolled Rebar Product

It complies with GB1449-1998 and BS4449-1997 standard. Its diameter varies from 12mm to 40mm and the standard lengths are 6m, 9m & 12m. It can also be rolled as per the set-length required by the customers.

预应力钢丝、钢绞线锚具

巨龙与国内专业锚具企业密切合作，共同为客户提供各种不同工程所用预应力钢丝和预应力钢绞线锚具。砂浆锚工预应力锚具。

Anchor for PC Wire & Strand

SD has close cooperation with the mills who produce professionally anchors. Together, we supply pre-tensioning and post-tensioning PC wire & strand anchor for various projects.



预应力混凝土制品生产设备

巨龙与中国混凝土制品科学研究所和生产工厂有着密切的合作关系。在客户的邀请下，我们多次帮助国外客户引进混凝土制品生产设备。

PC Concrete Product Production Equipment

SD keeps nice cooperative relationship with the China Concrete Product Scientific Institute and many production factories. Under the invitation of the customers, we helped our overseas customers introduce concrete product production equipment many times.





预应力钢材用盘条

8mm至14mm SWRH77B、SWRH82B、30MnSi等各种预应力钢棒、预应力钢丝、预应力网纹线高碳热轧无氧控冷盘条。

Wire Rod for PC Steel Products

High carbon hot-rolled wire rod comes in SWRH77B, SWRH82B, 30MnSi and so on, with diameters from 8 mm to 14mm for producing PC bar, PC wire and PC strand.

各种中低碳盘条

5.5mm至12mm Q195、Q235、SAE1006至SAE1020等低碳盘条。

Various Mid & Low Carbon Wire Rod

Low carbon wire rod, like Q195, Q235, SAE1006 to SAE1020, with diameters from 5.5mm to 12mm



1992年起，根龙与鞍山钢铁公司开始高碳预应力钢丝用盘条开发，之后先后与沙钢、普钢、天钢等国内大型钢铁公司建立密切技术合作关系共同研发预应力钢材用盘条。根龙掌握着钢铁冶炼、盘条轧制丰富的经验和实践经验，我们根据不同钢铁工厂生产条件与钢铁工厂确定不同的炼钢、轧钢生产工艺，以保证每一批盘条都适用于生产预应力钢材。2003年起，根龙开始经营高碳、低碳盘条和螺纹钢产品。

Since 1992, SD started to develop wire rod used in high carbon PC wire with Anshan Steel Company. Then we established successively close, technically cooperative relationship with large steel mills like Sha steel, Shou steel and Tiansteel to research & develop together the wire rod used in PC steel. SD has rich, practical experience in steel smelt and wire rod rolling. We set different steel-forging and steel-rolling technics in accordance with different mills production conditions, so that we can guarantee every lot of wire rod suits the production of PC wire. From 2003, SD set to distribute high & low carbon wire rod and rebar.

高强度精轧螺纹钢筋

轻钢PSB785Mpa/PSB830Mpa/PSB930Mpa，直径25mm、32mm产品和连接器等产品。

High Tensile Screw-thread Rebar

We distribute rebar with diameters 25mm, 32mm and tensile PSB785Mpa/PSB830Mpa/PSB930Mpa and other relative products like connector, etc.



PCCP管道用预应力钢丝

PCCP Steel Wire



银龙是中国PCCP管道（Pre-stressed Concrete Cylinder Pipe）用钢丝第一家研发企业，产品执行中国GB/T5223-2002、美国ASTMA648-1995、韩国KSD7009-1987标准，我们可以向客户提及其他国家的标准或根据客户的要求而生产。

SD is the first enterprise to research & produce the steel wire used in PCCP(Pre-stressed Concrete Cylinder Pipe), and the executive standards are Chinese GB/T5223-2002, American ASTMA648-1995 and Korean KSD7009-1987. We also can produce as per the customers'demand.

ASTMA648-1995标准管道用钢丝技术指标

Technical Index of the PCCP Wire in ASTMA648-1995 Standard

公称直径 Nominal Diameter	公称抗拉强度 Nominal Tensile Strength		公称截面面积 Nominal Area Reduction	截面收缩率 Section Retraction		
	A Class	B Class		%	%	
9.14(3.60)	220(1600)	262(1740)	Min 8	Min 35	Initial stress being 70% nominal tensile strength	Max 7.45
9.25(3.64)	214(1480)	240(1680)	Min 8	Min 30		Max 7.45
9.14(3.60)	201(1390)	221(1520)	Min 5	Min 30		Max 7.45

GB/T5223-2002标准管道用钢丝技术指标

Technical Index of the pipe wire in GB/T5223-2002 standard

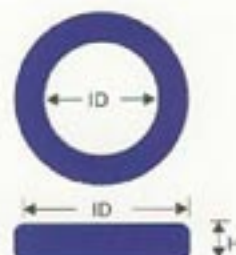
公称直径 Nominal Diameter	公称抗拉强度 Nominal Tensile Strength	屈服强度 Yield Strength	断后伸长率 Elongation under max Strength L<200mm	公称截面面积 Nominal Area Reduction	截面收缩率 Section Retraction	
mm	Mpa	Mpa	%	%	公称条件 Nominal	
4.00	1470	1180	5.5	>8	>35	Initial stress being 70% of Nominal tensile strength
5.00	1570	1180	5.5	>8	>35	
6.00	1670	1250	5.5	>7	>30	
7.00	1670	1330	5.5	>8	>30	
8.00	1770	1330	5.5	>8	>30	



卷内径 (Coil ID):
Min 170cm
卷外径 (Coil OD):
200cm—225cm
卷厚度 (Coil Thickness):
15cm—35cm
卷重 (Coil Weight):
Min 1500kg



卷内径 (Coil ID):
80cm—100cm
卷外径 (Coil OD):
130cm—140cm
卷厚度 (Coil Thickness):
80cm—90cm
卷重 (Coil Weight):
Min 2000kg



低松弛刻痕预应力钢丝

Low Relaxation Indented PC Steel Wire



银龙能提供两面刻痕、3面刻痕和4面刻痕三种低松弛刻痕预应力钢丝，适用于PC空心楼板和PC轨枕、PC电线杆、PC管桩等PC制品。满足GB/T5223-2002、BS5896-1980、AS1310-1987、JISG3536-1994、EN10138-2004、ASTMA881-1990等标准。

We can supply 2 sides, 3 sides and 4 sides low relaxation indented PC steel wire, which can be used in PC products such as PC hollow-core floor board, PC railway sleeper, PC electrical poles and PC underground pile. It meets GB/T5223-2002, BS5896-1980, AS1310-1987, JISG3536-1994, EN10138-2004, ASTMA881-1990 standards etc.

对于低松弛2面刻痕预应力钢丝和4面刻痕预应力钢丝，我们将按照客户的要求来生产直径在4mm至9mm抗拉强度为1470Mpa至1860Mpa的产品。

As to the low relaxation, 2 sides and 4 sides indented steel wire, we can produce with diameters from 4mm to 9mm and the tensile strengths from 1470Mpa to 1860Mpa as per customers' requirement.

3面刻痕预应力钢丝外形尺寸

Size of 3 Sides Indented Steel Wire

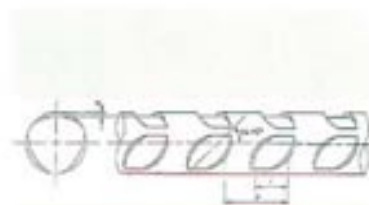
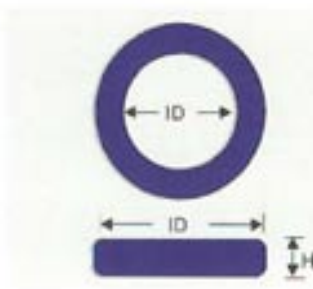
公称直径 Nominal Diameter	≤5.0mm	>5.0mm
刻痕深度 Channel Depth	0.12±0.05mm	0.15±0.05mm
刻痕长度 Channel Length	3.5±0.05mm	5.0±0.05mm
节距 Pitch Length	5.5±0.05mm	8.0±0.05mm

说明:

1. 卷重可以按照客户的要求在500公斤至2300公斤之间选择。
2. 海运或堆货轮的装运我们将根据客户的要求进行必要的装运保护措施来确保产品在运输过程中的安全性。

Description:

1. Coil weight can be chosen between 500kg to 2300kg
2. To ensure the goods safety during sea transportation, we take the necessary protective measure.



卷内径 (Coil ID):
Min 170cm
卷外径 (Coil OD):
200cm-225cm
卷厚度 (Coil Width):
15cm-35cm
卷重 (Coil Weight):
Min 1500kg



各种低碳、镀锌、镀铜金属制品

Low Carbon, Galvanized & Copperized Metal Products



名称: 镀锌铁丝和镀锌钢丝
直径: 1.5mm 至6.0mm
抗拉强度: 大于350Mpa
镀锌量: 大于60g/m²
卷重: 大于150公斤

Product: Galvanized iron wire & galvanized steel wire
Diameter: 1.5mm -6.0mm
Tensile Strength: >350Mpa
Zinc Weight: >60g/m²
Coil Weight: >150kg



名称: 1x7镀锌钢丝
直径: 3.0mm 至12.0mm
抗拉强度:
1270Mpa, 1370Mpa, 1470Mpa, 1570Mpa
镀锌量: 150 g/m²至250 g/m²
卷重: 根据客户要求供货

Product: 1x7 galvanized PC strand
Diameter: 3.0mm -12.0mm
Tensile Strength:
1270Mpa, 1370Mpa, 1470Mpa, 1570Mpa
Zinc Weight: 150 g/m²-250 g/m²
Coil Weight: up to the customers demand



名称: 普通铁丝
直径: 1.0mm 至6.0mm
抗拉强度: 300Mpa 至600Mpa
卷重: 根据客户要求供货

Product: common iron wire
Diameter: 1.0mm -6.0mm
Tensile Strength: 300Mpa -600Mpa
Coil weight: up to the customers demand



名称: 黑铁丝
直径: 1.0mm 至 6.0mm
抗拉强度: 300Mpa 至 500Mpa
卷重: 根据客户要求供货

Product: black wire
Diameter: 1.0mm -6.0mm
Tensile Strength: 300Mpa -500Mpa
Coil Weight: up to the customers' demand



名称: 冷轧带肋钢筋
直径: 4.0mm 至12.0mm
抗拉强度: 大于500Mpa
卷重: 根据客户要求供货

Product: cold rolled ribbed bar
Diameter: 4.0mm -12.0mm
Tensile Strength: >500Mpa
Coil Weight: up to the customers' demand



名称: 碳箱用扁丝
型号: 10#, 17#, 18#
镀层: 镀锌、镀铜
包装: 25公斤/箱

Product: flat wire used in carbon
Type: 16#, 17#, 18#
Plating Layer: galvanization, copperization
Package: 25kg/carbon

