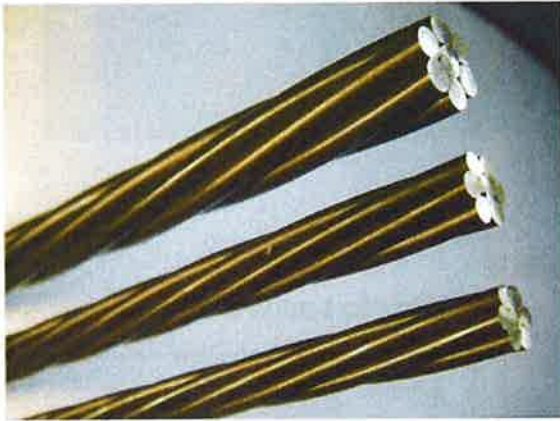


Sample Brochure for GMT - PC Strand

↓
STAHL

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、朔黄铁路、京九铁路等入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快速铁路——京津城际快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, Shuohuang 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。

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货方式。

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:

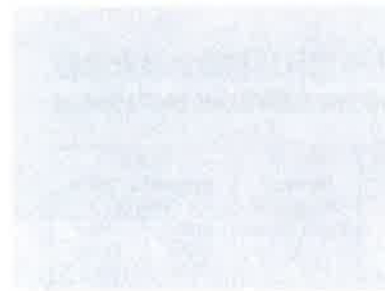
可以按照公制吨、英制磅、米和英尺为单位向客户交货，以满足不同国家的计量方法。我们向美国客户一般提供12000ft和13500ft长度的卷包装

Delivery measurement:

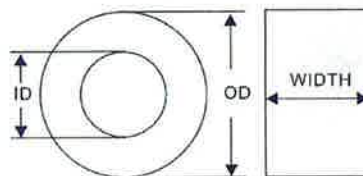
We can deliver goods with metric ton, lbs, m or ft as unit. Usually we supply USA customers with approx.12000ft and 13500ft coils.

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.

| |
|---------------------|
| 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)



SAMAFE USA
PO Box 571102
Houston, TX 77257
www.samafeusa.com

限公司





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 | 允许偏差 Tolerance | 横截面积 Sectional Area | 参考质量 Mass | 抗拉强度 Tensile Strength | 整根绞线最大力 Max. Strength | 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 _{gt} | 应力松弛性能 Relaxation | | | | |
|--------------------------|-------------------|------------------------|--------------|--------------------------|--------------------------|--|---|--|--|-------------------|-------|-------|
| mm | mm | mm ² | g/m | R _m /Mpa | F _m /KN | | | | | | | |
| 9.50 | +0.30 -0.15 | 54.8 | 430 | 1720 1860 1960 | 94.3 102 107 | 84.9 91.8 96.3 | (对所有规格) (for all sizes) | 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 后应力松弛率 r (对所有规格) 1000hs stress relaxation rate (for all sizes) | | | |
| 11.10 | | 74.2 | 582 | 1720 1860 1960 | 128 138 145 | 115 124 131 | | | | | | |
| 12.70 | | 98.7 | 775 | 1720 1860 1960 | 170 184 193 | 153 166 174 | | | | | | |
| 15.20 | +0.40 -0.20 | 140 | 1101 | 1470 1570 1670 | 206 220 234 | 185 198 211 | ≥3.5% | | | 60% | ≤1.0% | |
| | | | | 1720 1860 1960 | 241 260 274 | 217 234 247 | | | | | | |
| | | | | 1770 1860 1960 | 266 279 294 | 239 251 264 | | | | | | |
| | | | | 15.70 | 150 | 1178 | | 1720 1860 1960 | 327 353 370 | 294 318 335 | 70% | ≤2.5% |
| | | | | 17.80 | 191 | 1500 | | 1720 1860 1960 | 327 353 370 | 294 318 335 | | |
| | | | | | | | | | 80% | ≤4.5% | | |

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

| 级别 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) % | 松弛值 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) | 108.1(24300) | | | |
| | 12.70(1/2) | | 92.90 | 730(490) | 160.1(36000) | 144.1(32400) | | | |
| | 15.24(6/10) | | 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(6/10) | | 140.00 | 1102(740) | 260.7(58000) | 234.6(52740) | | | |

SAMAF USA
PO Box 571102
Houston, TX 77257
www.samafusa.com



GROUP, TIANJIN