



郑州佰利得机器制造有限公司

Zhengzhou Lead Equipment Co., Ltd.

地址 ADD: 郑州市中原区西流湖街道办事处铁炉村西四环东 邮编 P.C.:450042
Xisihuan Ring-Road East, Tielu, Xiliu lake sub-district,
Zhongyuan District, Zhengzhou, Henan

网址 (Web) : <https://www.leadcrete.com> E-Mail: sales@leadcrete.com

电话 TEL : +86-371-63902781 传真 FAX: +86-371-63526676

12.7mm and 15.24mm PC strand for sale



12.7mm and 15.24mm prestressed cable PC strand is one of the most important products in our enterprise, which is used to match the high end structures of concrete such as railways, highways, bridges, mine, nuclear power plant, hydropower, large-span buildings and so on.

The diameter and structure of the prestressed concrete strand pc strand have reached the international advanced level, especially in the field of rock stratum reinforcement. The product has the characteristics of high strength, high breaking force, high elongation and low support cost. In the field of strengthening the rock stratum, the product has a good effect on improving the safety factor and strengthening the anchoring force.

Leadcrete company can produce various models PC strand for sale according to different standards of products, specifications are as follows:

Diameter: 9.3mm PC strand, 9.53mm PC strand, 11.1mm PC strand, 12.5mm PC strand, 12.7mm PC strand, 12.9mm PC strand, 15.24mm PC strand, 15.7mm PC strand, 17.8mm PC strand, 18.9mm PC strand, 21.6mm PC strand, 21.8mm PC strand



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We are steel strand for prestressed concrete supplier and manufacturer.

(1) Steel Strand for PC Concrete PC strand

Standard GB/T5224 pc strand:

1×7-9.5mm 11.1mm 12.7mm 15.2mm 15.7mm 17.8mm 21.6mm,

Standard ASTM416 PC strand

1×7-7.9mm 9.53mm 11.11mm 12.7mm 13.2mm 14.29mm 15.24mm 17.8mm,

Standard BS 5896 pc strand

1×7-8.0mm 9.3mm 9.6mm 11.0mm 12.5mm 12.9mm 15.2mm 15.7mm,

Standard JIS G3536 PC strand

1×7-12.7mm 15.2mm,

Standard UNE 36094 PC strand

1×7-9.3mm 13.0mm 15.2mm,

Standard KS D PC strand

1×7-9.5mm 11.1.0mm 12.7mm 15.2mm,

Standard AS/NZS4672 PC strand

9.5mm(7 wire) 12.7mm 15.2mm,

(2) Unbonded PC Strand

1x7-9.5mm 12.7mm 15.2mm 15.7mm,

(3) Prestressed Steel Wire PC wire

Plain steel wire for prestressed concrete/indented wire /spiral rib steel wire

3.0mm 4.0mm 4.8mm 5.0mm 6.0mm 6.25mm 7.0mm 8.0mm 9.0mm 10.0mm 12mm

Our company produces all kinds of anti-corrosion steel strand products, such as boundless steel strand, galvanized steel frame, etc. Now, our company is a strong manufacturer, with the largest variety, the most standardized structure, the largest tension of the steel strand products.

With successfully applying the ISO 9001 quality, environmental, occupational health and safety management system certificated, together with continually developing of new technology, we confidently can assure the products quality and customers satisfaction.

PC strand is made of 7 or 19 cold drawn light steel round steel wires or sawtooth steel wires. After stabilization, it can be used as an efficient energy-saving material for concrete structures. The stabilization treatment uses the furnace temperature induced by the pull medium frequency. The technology of producing PC strand with low relaxation is the independent intellectual property right of our enterprise. Low relaxation products have core competitiveness and reach the international advanced level.



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Application of PC strand:

1. Prestressed cable is mainly for the use of prestressed concrete structure reinforced.
2. Such as large –span bridges on railway and highway, overhead crane beam, rock-soil anchoring project, multi-story industrial buildings, stadiums, and coal mines, etc.
3. PC strand is used as cable for special bridges and maintenance of bridges.
4. PC strand is used in concrete pillars and supports for the construction of buildings, domes for nuclear power plants and reinforcement of LNG concrete tanks.
5. PC strand is used as floor and roof reinforcement for sports stadiums.
6. PC strand can be extensively used in construction materials for PC panels, high-pressure concrete water pipes, marine structures, towers and runways.

Feature of prestressed concrete strand:

1. High tensile strength and elongation; low relaxation value; small stress losing; excellent durable anti-fatigue performance.
2. Grade: 250K / 270K / 290K, Tensile Strength: 1770Mpa / 1860Mpa / 1960Mpa, the 1000h Relaxation is 2.0% max and the elongation is 4.0% min.
3. Unbonded and bonded prestressing steel strand has a good corrosion-resistance and less friction of un-bonded tendons and can be easily bended into curve shape.
4. It is suitable for making cast-in-place concrete of long-span and wide building cover, heavy load prefabricated beam and other special structures.
5. It has a lot of characters such as no need of grout hole and grouting, convenient to use, material-saved, bending easily and so on.
6. Categories: plain, galvanized, PE coated, epoxy resin coated, spiral ribs, indented.

Standard	Nominal diameter	Standard	Yielding load	Elongation	Relaxation value		Theoretical weight per KM
					Initiate loads/maximum nominal load*100%	Relaxation value 1000 hours no more than/glass	
GB/T5244-2014	12.7	1860	166	3.5	70	2.5	775
	15.2	1860	260	3.5	80	4.5	1101
	17.8	1860	353	3.5	80	4.5	1500
ASTM416-06	11.11	1860	138	3.5	70	2.5	582
	12.7	1860	184	3.5	70	2.5	775
	15.24	1860	261	3.5	70	2.5	1102



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BS5890-1980	9.3	1860	92	3.5	80	2.5	408
	11	1860	125	3.5	80	2.5	557
	12.5	1860	164	3.5	80	2.5	730
	15.2	1860	232	3.5	80	2.5	1090
ISO6934-1991	9.5	1860	86	3.5	70	2.5	430
	11.1	1860	117	3.5	70	2.5	582
	12.7	1860	156	3.5	70	2.5	775
	15.2	1860	220	3.5	70	4.5	1101

Packaging & Shipping:

1. In Container.
2. Coil at customer's requirement. (water-proof packing with wood pallets)
3. Each coil is strapped by steel bands at 8 places, fully wrapped with anti-rust plastic & P.P woven sheet with pallet and strapped again by steel bands at 6 places

If you need our prestressed concrete strand, please let us know the follow information:

- (1) Which company are you from? A trading company, manufacturer or else?
- (2) Which standard according to produce? (ASTM A416, GB/T5224, BS5896 Or else?)
- (3) What's diameter? (9.3mm, 15.24mm or 12.7mm) Tensile strength? (HT Or ST)
- (4) What's the quantity and delivery time? If you need the PC strand urgent, please marked here.
- (5) Do you want the FOB or CIF price? Tell us your destination port please.
- (6) Is standard export packing suit for you? Any special package demands of the PC strand?
- (7) Any other requirement do you need?