



# Wire for prestressed concrete

## ASTM A421 pc wire



## Packing



- Brand: LONGHENG
- Standard: ASTM A421 / BS 5896 / EN 10138-2
- Grade: 1470MPa / 1570MPa / 1670MPa
- Certificate: ISO9001
- Nominal Dia.: 5mm 6mm 7mm 8mm

## Mechanic Properties of Specifications

### Wire EN 10138 – BS 5896

Nominal diameter	Tensile strength	Mass	Cross sectional area	Tolerance on mass	Minimum breaking strength	Maximum breaking strength	Yield strength at 0.1 % elongation
mm	MPa	g/m	mm <sup>2</sup>	%	kN	kN	kN
4	1860	98.4	12.6	± 2	23.4	26.9	20.8
5	1860	153.1	19.6	± 2	36.5	42.0	32.5
6	1770	221.0	28.3	± 2	50.1	57.6	44.1
7	1770	300.7	38.5	± 2	68.1	78.3	59.9
8	1670	392.8	50.3	± 2	84.0	96.6	73.9

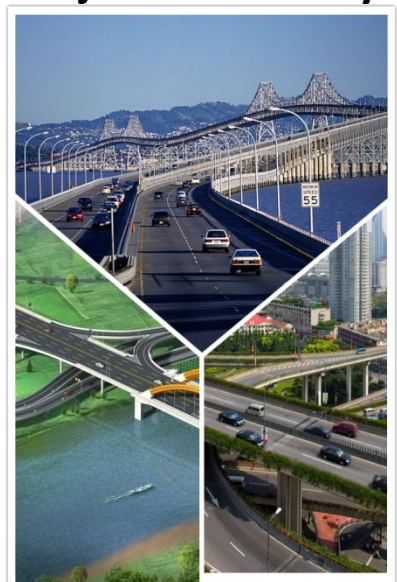
### Wire ASTM A 421

	Nominal diameter		Diameter tolerance Out of round		Grade		Minimal stress at 1 % extension		Nominal weight		Nominal steel area	
	inch	mm	inch	mm	ksi	MPa	ksi	MPa	lbs/1000'	g/m	sqi	mm <sup>2</sup>
BA	0.196	4.98	± 0.002	± 0.05	240	1655	204.00	1407	102.0	152	0.030	19.5
BA	0.250	6.35	± 0.002	± 0.05	240	1655	204.00	1407	165.5	247	0.049	31.7
BA	0.276	7.01	± 0.002	± 0.05	235	1620	199.75	1377	202.0	301	0.060	38.6
WA	0.192	4.88	± 0.002	± 0.05	250	1725	212.50	1465	97.8	146	0.029	18.7
WA	0.196	4.98	± 0.002	± 0.05	250	1725	212.50	1465	102.0	152	0.030	19.5
WA	0.250	6.35	± 0.002	± 0.05	240	1655	204.00	1407	165.5	247	0.049	31.7
WA	0.276	7.01	± 0.002	± 0.05	235	1620	199.75	1377	202.0	301	0.060	38.6

## Quality Control



## Project Case Study



### TIANJIN LONGHENG PRESTRESSED CONCRETE STEEL STRAND CO.,LTD.

Add: Jinghai County, Tianjin, China  
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Tianjin Longheng Prestressed Concrete Steel Strand Co.,Ltd. Is located in Jinghai county, Tianjin, China which is a professional productional manufacturer of high quality prestressed concrete products.

LH is specialized in PC wire and PC strand production, with a annual output 80,000-120,000 mt, LH owns two separate factories in Tianjin, LH's goods spready exported to Malaysia、Rusia Federation、Ukraine、Costa Rica、India etc

◆ PC wire with plain surface is a traditonal product, used for prestressed concrete bridge, prestressed concrete railway sleeper, prestressed concrete pipe and so on.

◆ PC wire with spiral-ribs has 3 to 6 spiral-ribs on the surface of the wire, It has a remarkable increase in the binding strength between the wire and concrete and prestressed anchorage performance.

◆ PC wire with indented surface is only exported to foreign customers, LH can afford the products with diameter from 3.0mm to 10.0mm with different indented surface, tensile strength and standard.





# Customer Visit Memory



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