



# 河南恒星科技股份有限公司

Henan Hengxing Science & Technology Product  
Co., Ltd.

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# Company Profile



- Henan Hengxing Science & Technology Co., Ltd. was founded in 1995, with more than 3600 employees and an area more than 400,000 m<sup>2</sup>.

# 公司简介 Company Profile



- Listed on Shenzhen A stock market in 2007 (stock code: 002132).
- Honored as "Outstanding Private Enterprise in Henan Province", "Top-100 High-tech Enterprise of Henan" and "Top-500 Private Enterprise in China".
- Hengxing brand is well known as "Famous Chinese Trademark", "National Inspection-free Product" and "Famous Brand of Henan".
- Other Subsidiaries:
  - Henan Hengxing Science & Technology Co., Ltd.
  - Gongyi Hengxing Hardware Co., Ltd.
  - Henan Hengxing PC Steel Product Co., Ltd.
  - Guangxi Free Trade Zone Baochang Lianda New Material Co., Ltd.

# 公司产品 Company & Product



## Four main subsidiary company and its products,

- **Henan Hengxing Science & Technology Co., Ltd.**  
Products: Diamond Wire, Saw Wire, Steel Cord, Hose Wire
- **Gongyi Hengxing Hardware Co., Ltd.**  
Products: Galvanized Steel Wire & Strand
- **Henan Hengxing PC Steel Product Co., Ltd.**  
Products: PC Wire & Strand
- **Guangxi Free Trade Zone Baochang Lianda New Material Co., Ltd..**  
Products: PC Strand

**Subsidiary company**

**1. 河南恒星钢缆股份有限公司**

**Henan Hengxing PC Steel Product Co., Ltd**


**2. 广西自贸区宝畅联达新材料有限公司**

**Guangxi Free Trade Zone Baochang Lianda New  
Material Co., Ltd.**

## Henan Hengxing PC Steel Product Co., Ltd.

- **PC Steel Strand (300000 tons/year)**
- **14 drawing machines, 7 stranding machines**
- **Every day can be produced 800Tons.**
- **With quality certificate of OHSAS, DCL and National Test Report**

# PC Steel Strand Certifications



### The Authentication Certificate of Environmental Management System

**Henan Hengxing PC Steel Product Co.,Ltd**

Registered/Production/Business/Office Address: Jiaowan Village, Kangdian Town, Gongyi City, Zhengzhou City, Henan Province.

Is in conformity with  
**GB/T24001-2016/ISO14001:2015** standard requirements

The certificate is valid for the following scope:

The production of steel strand for prestressed concrete and related environmental management activities (within the scope of qualification)

Registration No. of Certificate:	05318E30093R1M
Date of the Awarded Certificate:	25-04-2018
Term of the Certificate's Validity:	25-04-2018-24-04-2021
Date of the First Authentication:	04-11-2010
Enterprise Organization Code:	91410181685688695P

This certificate is in the provisions of the state's administrative license, qualification within the scope of used together shall be valid. The certificate information can be in the Certification and Accreditation Administration of the People's Republic of China web site inquiries ([www.cnca.gov.cn](http://www.cnca.gov.cn)). If not stick the laser surveillance mark after the date of surveillance expires, this certificate is invalid. This Certificate is issued in both Chinese and English. In the event of any discrepancy between the two versions, the Chinese version shall prevail.

The first surveillance	Mark stick here	The second surveillance	Mark stick here
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中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C053-M

General Manager: *Zhaotang*

Registered Address of Certification Authority: 701, No. 7 Jianguomennei Street, Dongcheng District, Beijing.  
Mailing Address of Certification Authority: Rm. 701, Block 1, Guanghua Chang'an Building, No. 7 Jianguomennei Street, Dongcheng District, Beijing, Tel: 010-50981300 P.C.: 100005 Http://www.cng.org.cn



### The Authentication Certificate of Quality Management System

**Henan Hengxing PC Steel Product Co.,Ltd**

Registered/Production/Business/Office Address: Jiaowan Village, Kangdian Town, Gongyi City, Zhengzhou City, Henan Province.

Is in conformity with  
**GB/T19001-2016/ISO9001:2015** standard requirements




The certificate is valid for the following scope:

The production of steel strand for prestressed concrete (within the scope of qualification)

Registration No. of Certificate:	05318Q30250R1M
Date of the Awarded Certificate:	25-04-2018
Term of the Certificate's Validity:	25-04-2018-24-04-2021
Date of the First Authentication:	11-05-2012
Enterprise Organization Code:	91410181685688695P

This certificate is in the provisions of the state's administrative license, qualification within the scope of used together shall be valid. The certificate information can be in the Certification and Accreditation Administration of the People's Republic of China web site inquiries ([www.cnca.gov.cn](http://www.cnca.gov.cn)). If not stick the laser surveillance mark after the date of surveillance expires, this certificate is invalid. This Certificate is issued in both Chinese and English. In the event of any discrepancy between the two versions, the Chinese version shall prevail.

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### The Authentication Certificate of Occupational Health and Safety Management System

**Henan Hengxing PC Steel Product Co.,Ltd**

Registered/Production/Business/Office Address: Jiaowan Village, Kangdian Town, Gongyi City, Zhengzhou City, Henan Province.

Is in conformity with  
**GB/T28001-2011/OHSAS18001:2007** standard requirements

The certificate is valid for the following scope:

The production of steel strand for prestressed concrete and related occupational health and safety management activities (within the scope of qualification)

Registration No. of Certificate:	05318S20078R1M
Date of the Awarded Certificate:	25-04-2018
Term of the Certificate's Validity:	25-04-2018-24-04-2021
Date of the First Authentication:	04-11-2010
Enterprise Organization Code:	91410181685688695P

This certificate is in the provisions of the state's administrative license, qualification within the scope of used together shall be valid. The certificate information can be in the Certification and Accreditation Administration of the People's Republic of China web site inquiries ([www.cnca.gov.cn](http://www.cnca.gov.cn)). If not stick the laser surveillance mark after the date of surveillance expires, this certificate is invalid. This Certificate is issued in both Chinese and English. In the event of any discrepancy between the two versions, the Chinese version shall prevail.

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中国认可 管理体系 MANAGEMENT SYSTEM CNAS C053-M

General Manager: *Zhaotang*

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Mailing Address of Certification Authority: Rm. 701, Block 1, Guanghua Chang'an Building, No. 7 Jianguomennei Street, Dongcheng District, Beijing, Tel: 010-50981300 P.C.: 100005 Http://www.cng.org.cn



# PC Steel Strand Certifications



## CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality hereby attests that the product(s)

**Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete**  
(Details as per the attached Scope of Certification)

manufactured by:

**HENAN HENGXING PC STEEL PRODUCT CO LTD**  
**NO 121 YILUO NORTH STREET, GONGYI, ZHENGZHOU, CHINA**

have been assessed in accordance with DCLD Document Ref. No. DM-DCLD-RD-DP21-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

**ASTM A 416/A 416M: 17a**

Accordingly, DCLD hereby authorizes the above manufacturer to affix the DCL Product Conformity Mark on the above-mentioned product(s).



for / ENGR. AMIN AHMED AMIN  
Director, Dubai Central Laboratory Department  
Dubai Municipality



Certificate No: CL18020649  
Valid Until: 18/12/2020



Current Issue Date: 19/12/2019  
Original Issue Date: 19/12/2018

The attached Scope of Certification bearing the same Certificate Number forms an integral part of this Certificate.  
This Certificate is an electronic document subject to the Terms and Conditions of the Product Certification System and shall not be reproduced except in full.



## DUBAI CENTRAL LABORATORY DEPARTMENT DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION  
FOR CERTIFICATE NO. CL18020649

**Certificate Issued To:** HENAN HENGXING PC STEEL PRODUCT CO LTD  
No 121 Yiluo North Street, Gongyi, Zhengzhou, China

**Applicable Standard Specification:** ASTM A 416 /A 416 M - Specification for Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete

**Applicable Specific Rules:** RD-DP21-2131 (IC) "Specific Rules for Certification of Low-Relaxation, Seven-Wire Steel Strand for Prestressed Concrete (as per ASTM A 416/A 416 M -17a) Through Factory Assessment".

S/N	Product Description	Nominal Diameter (mm)	Product Details
1	Steel Strand, Un-Coated Seven-Wire for Prestressed Concrete	12.7	Seven-Wire Low relaxation steel strand, <b>Grade 1860[270]</b>
2	Steel Strand, Un-Coated Seven-Wire for Prestressed Concrete	15.2	Seven-Wire Low relaxation steel strand, <b>Grade 1860[270]</b>

**NOTE1:** This document forms part of the Certificate of Product Conformity bearing the same certificate number.  
**NOTE2:** The above product shall bear the DCL Conformity Mark (applied on each product or on the packaging)

**Original Issue Date** : 19 December 2018  
**Current Issue Date** : 19 December 2019  
**Valid Until** : 18 December 2020



ARIF HUSAIN AL MARZOOQI  
Products Conformity Assessment Section Manager  
Dubai Central Laboratory Department

# PC Steel Strand

## Product Description



Prestressed Concrete (PC) Steel Strand is formed by twisting multiple high strength steel wire and eliminating stress (stabilizing treatment) for prestressed concrete, with the advantage of raw material saving, high tensile, well elongation, low relaxation, small stress losing and good performance of anti-fatigue, our PC Strand is widely used in bridge, highway, airports, seaports, buildings and related areas.

PC Steel Strand: 7 stranding wires

**Cooperation Partner**



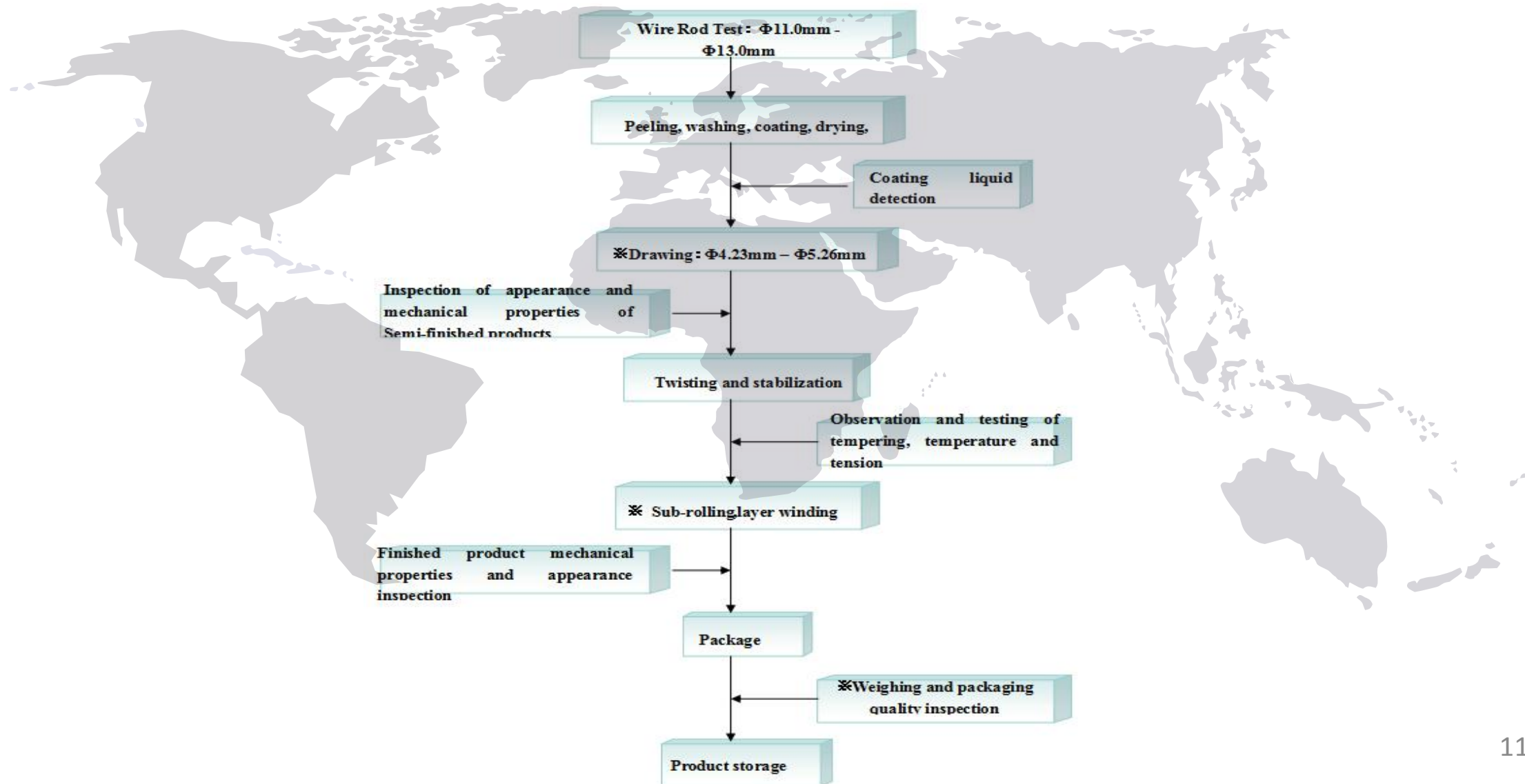
**CCCC**  
CHINA COMMUNICATIONS CONSTRUCTION COMPANY



**中国铁建**



# Production processes



# PC Steel Strand

## Technical Parameter

\*Accept Customized

Standard	Nominal Diameter (mm)	Tensile Strength (Mpa)	Yielding Load (KN)	Elongation L0≥500mm	Relaxation Value		Theoretical Weight Per KM (Kg)
					Initiate Loads /Maximum Nominal Load*100%	Relaxation Value 1000 Hours No More than Class II	
GB/T 5224-2003	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
BS5896-1980	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
	15.7	1860	246	3.5	80	2.5	1170
ISO6934-1991	9.5	1860	86.6	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

# PC Steel Strand

## The standard:BS5896-1980

### Dimensions and properties

Nominal <sup>A)</sup>				Specified			
Diameter, <i>d</i>	Tensile strength, <i>R<sub>m</sub></i>	Cross-sectional area, <sup>B)</sup> <i>S<sub>n</sub></i>	Mass per metre, <sup>B)</sup> <i>M</i>	Permitted deviation on mass per metre	Characteristic value of maximum force, <i>F<sub>m</sub></i>	Maximum value of maximum force, <i>F<sub>m,max</sub></i>	Characteristic value of 0.1% proof force, <sup>C)</sup> <i>F<sub>p0.1</sub></i>
mm	MPa	mm <sup>2</sup>	g/m	%	kN	kN	kN
15.2	1 670	139	1 086	±2	232	267	204
18.0	1 700	223	1 742	±2	379	436	334
9.3	1 770	52.0	406.1	±2	92.0	106	81.0
11.0	1 770	70.0	546.7	±2	124	143	109
12.5	1 770	93.0	726.3	±2	165	190	145
15.7	1 770	150	1 172	±2	266	306	234
15.2	1 820	165	1 289	±2	300	345	264
8.0	1 860	38.0	296.8	±2	70.7	81.3	62.2
9.3	1 860	52.0	406.1	±2	96.7	111	85.1
9.6	1 860	55.0	429.6	±2	102	117	89.8
11.3	1 860	75.0	585.8	±2	140	161	123
12.5	1 860	93.0	726.3	±2	173	199	152
12.9	1 860	100	781.0	±2	186	214	164
15.2	1 860	139	1 086	±2	259	298	228
15.7	1 860	150	1 172	±2	279	321	246
12.7	1 860	112	874.7	±2	208	239	183

<sup>A)</sup> *E* to be taken to be 195 GPa (kN/mm<sup>2</sup>).

<sup>B)</sup> *S<sub>n</sub>* is calculated from the nominal cross-sectional area and a density of 7.81 kg/dm<sup>3</sup>.

<sup>C)</sup> *F<sub>p0.1</sub>* value of the 0.1% proof force is calculated for all grades and diameters as 88% of the specified characteristic value of the maximum

# PC Steel Strand

## 1. Zhengzhou Factory

Main Product : 12.7/15.24mm





**HENGXING**  
SCIENCE & TECHNOLOGY CO., LTD

# PC Steel Strand

## 2. Qinzhou Factory

Main Product : 12.7/15.24



# PC Steel Strand Package





# Clients:



**中国中铁**



**中国铁建**



**中交集团供应链管理信息系统**  
Supply Chain Management System of CCCC



**中国电建**  
POWERCHINA

**集中采购平台**



**Hengxing's Vietnam Agent: VIET HUY HAI Phong SERVICE AND COMMERCE COMPANY**

# PC Steel Strand

A light gray silhouette of a world map is centered in the background of the slide.

**WE LOOK FORWARD TO COOPERATING WITH YOU!**  
**THANKS FOR WATCHING!**

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