



中钢不锈钢管业科技山西有限公司  
Sinosteel Stainless Steel Pipe Technology Shanxi Co.,Ltd.

# 中钢不锈钢管业科技山西有限公司

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## 产品目录

Product Catalogue

中钢不锈钢管业



## 目 录

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## 1.产品钢种 ( 参照 ASTM 标准 )

### Type of steel (Reference to ASTM standard)

- ℓ 奥氏体不锈钢 : 304 , 304L , 304H、 316 , 316L , 316H、 316Ti、 321 , 310S , 347H  
Austenitic stainless steel : 304 , 304L , 304H、 316 , 316L , 316H、 316Ti、 321 , 310S , 347H
- ℓ 奥氏体—铁素体双相不锈钢 : 2205 , 2507 , 2304  
Austenitic-ferrite duplex stainless steel : 2205 , 2507 , 2304
- ℓ 超级奥氏体不锈钢 : 904L , 254SMo , N08367  
Super austenitic stainless steel: 904L , 254SMo , N08367
- ℓ 镍基合金 : N08825 , N06625 , N08800 , N06600 , N10276 , N06985 , N08028  
Nickel base alloy:N08825 , N06625 , N08800 , N06600 , N10276 , N06985 , N08028
- ℓ 钛合金 : TA2、 TA10、 TA12  
Titanium alloy : TA2、 TA10、 TA12
- ℓ 铜合金 : B10  
Copper alloy : B10
- ℓ 复合材料 : 304+245R , 316L+Q345 , 2205+Q295B  
Clad Steel : 304+245R , 316L+Q345 , 2205+Q295B
- ℓ 产品展示 :  
product display :

钛合金管



铜合金管



镍基合金管

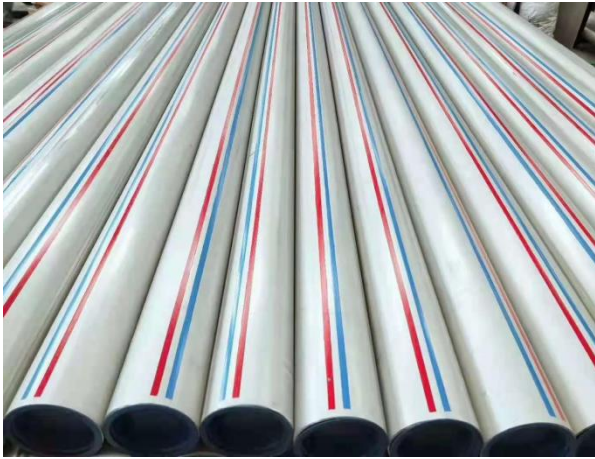


## 2.生产范围

### Production range

#### 2.1 FFX : $\Phi 10$ - $\Phi 426$ mm ; 壁厚 0.3mm-10mm

$\Phi 323.8 \times 9.53 \times 6000$ mm



$\Phi 88.9 \times 3.05 \times 6000$ mm



#### 2.2 JCO : $\Phi 159$ - $\Phi 3048$ mm ; 壁厚 3mm-60mm

$\Phi 3048 \times 15.88 \times 6000$ mm



$\Phi 864 \times 51.1 \times 6000$ mm





### 3 船舶用不锈钢焊管

#### Stainless steel welded pipes for ships

3.1 应用领域：舰船、海上平台、海水淡化、液化天然气（LNG）等；

Application fields: ships, offshore platforms, seawater desalination, LNG etc.

3.2 常用材质：304、304L、316L、310S、双相钢/超级双相钢、超级奥氏体、镍基合金、复合材料、钛合金、铜合金等；

Materials: 304, 304L, 316L, 310S, duplex steel/super duplex steel, super austenite, nickel-based alloy, composite material, titanium alloy, copper alloy, etc.

3.3 产品执行标准：

Product standard：

ASTM 标准：ASTM A312/A358/A789/A790/A928/B775/B862/B467/B619/B705/B514/B804

ASTM A312/A358/A789/A790/A928/B775/B862/B467/B619/B705/B514/B804

中国船级社《材料与焊接规范》、《产品检验指南-W22 不锈钢钢管》

CCS Rules for Material and Welding, W-22 Stainless steel Pipes

美国船级社《材料与焊接规范》

ABS Rules for Material and Welding

法国船级社《船舶入级规则：材料与焊接》

BV Rules on Materials and Welding for the Classification of Marine Units

DNVGL《船舶入级规则第二部分：材料与焊接》

DNVGL Rules for Classification ships part2 Material and Welding

英国船级社《材料的制造、测试和认证规则》

LR Rules for the Manufacture, Testing and Certification of Materials

3.4 产品规格表

Specifications

DN	NPS	外径 ( mm ) Outside Diameter	厚度 ( mm ) Nominal Wall Thickness			
			SCH 5S	SCH 10S	SCH 40S	SCH 80S
6	1/8	10.3	-	1.24	1.73	-
8	1/4	13.7	-	1.65	2.24	-
10	3/8	17.1	-	1.65	2.31	-
15	1/2	21.3	1.65	2.11	2.77	-
20	3/4	26.7	1.65	2.11	2.87	-
25	1	33.4	1.65	2.77	3.38	-

DN	NPS	外径 ( mm ) Outside Diameter	厚度 ( mm ) Nominal Wall Thickness				
			SCH 5S	SCH 10S	SCH 40S	SCH 80S	
32	1 1/4	42.2	1.65	2.77	3.56	-	
40	1 1/2	48.3	1.65	2.77	3.68	-	
50	2	60.3	1.65	2.77	3.91	-	
65	2 1/2	73	2.11	3.05	5.16	-	
80	3	88.9	2.11	3.05	5.49	-	
90	3 1/2	101.6	2.11	3.05	5.74	-	
100	4	114.3	2.11	3.05	6.02	-	
125	5	141.3	2.77	3.40	6.55	-	
150	6	168.3	2.77	3.40	7.11	10.97	
200	8	219.1	2.77	3.76	8.18	12.7	
250	10	273.0	3.40	4.19	9.27	12.7	
300	12	323.8	3.96	4.57	9.53	12.7	
350	14	355.6	3.96	4.78	9.53	12.7	
400	16	406.4	4.19	4.78	9.53	12.7	
450	18	457	4.19	4.78	9.53	12.7	
500	20	508	4.78	5.54	9.53	12.7	
550	22	559	4.78	5.54	-	-	
600	24	610	5.54	6.35	9.53	12.7	
650	26	660.4	5.54	7.92	9.53	12.7	
750	30	762.0	6.35	7.92	-	-	
1000-3000	40-120	1016-3048	可订做 ( Can custom-made )				



#### 4.工业用不锈钢焊管（执行美标）

##### Industrial stainless steel welded pipe (American standard)

4.1 应用领域：军工、核电、舰船、石油石化、煤化工、造纸、水处理、生物化工、食品制药酒制品、海水淡化、天然气（LNG）、城市管（网）廊等；

Application fields: military industry, nuclear power, ships, petroleum and petrochemical, coal chemical industry, papermaking, water treatment, biological chemical industry, food, pharmaceutical and wine products, seawater desalination, Liquefied natural gas (LNG), urban pipe (net) gallery, etc

4.2 常用材质：304、304L、316L、310S、双相钢、复合材料、钛合金、铜合金、镍基合金等；

Materials: 304, 304L, 316L, 310S, duplex steel, composite materials, titanium alloy, copper alloy, etc.

4.4 产品执行标准：ASTM A312/A358/A789/A790/A928/B775/B862/B467/B619/B705/B514/B804

Product standard: ASTM A312/A358 ASTM A789/A790/A928/B775/B862/B467/B619/B705/B514/B804

#### 4.5 产品规格表

##### Specifications

DN	NPS	外径 ( mm ) Outside Diameter	厚度 ( mm ) Nominal Wall Thickness			
			SCH 5S	SCH 10S	SCH 40S	SCH 80S
6	1/8	10.3	-	1.24	1.73	-
8	1/4	13.7	-	1.65	2.24	-
10	3/8	17.1	-	1.65	2.31	-
15	1/2	21.3	1.65	2.11	2.77	-
20	3/4	26.7	1.65	2.11	2.87	-
25	1	33.4	1.65	2.77	3.38	-
32	1 1/4	42.2	1.65	2.77	3.56	-
40	1 1/2	48.3	1.65	2.77	3.68	-
50	2	60.3	1.65	2.77	3.91	-
65	2 1/2	73	2.11	3.05	5.16	-
80	3	88.9	2.11	3.05	5.49	-
90	3 1/2	101.6	2.11	3.05	5.74	-
100	4	114.3	2.11	3.05	6.02	-
125	5	141.3	2.77	3.40	6.55	-
150	6	168.3	2.77	3.40	7.11	10.97
200	8	219.1	2.77	3.76	8.18	12.7
250	10	273.0	3.40	4.19	9.27	12.7

DN	NPS	外径 ( mm ) Outside Diameter	厚度 ( mm ) Nominal Wall Thickness			
			SCH 5S	SCH 10S	SCH 40S	SCH 80S
300	12	323.8	3.96	4.57	9.53	12.7
350	14	355.6	3.96	4.78	9.53	12.7
400	16	406.4	4.19	4.78	9.53	12.7
450	18	457	4.19	4.78	9.53	12.7
500	20	508	4.78	5.54	9.53	12.7
550	22	559	4.78	5.54	-	-
600	24	610	5.54	6.35	9.53	12.7
650	26	660.4	5.54	7.92	9.53	12.7
750	30	762.0	6.35	7.92	-	-
1000-3000	40-120	1016-3048	可订做 ( Can custom-made )			

中钢不锈钢管业





## 5.工业用不锈钢焊管（执行国标）

### Industrial stainless steel welded pipe (Chinese Standard)

5.1 应用领域：军工、核电、舰船、石油石化、煤化工、造纸、水处理、生物化工、食品制药酒制品、海水淡化、天然气（LNG）、城市管（网）廊等；

Application fields: military industry, nuclear power, ships, petroleum and petrochemical, coal chemical industry, papermaking, water treatment, biological chemical industry, food, pharmaceutical and wine products, seawater desalination, liquefied natural gas (LNG), urban pipe (net) gallery, etc.

5.2 常用材质：304、304L、316L、310S、双相钢、复合材料、钛合金、铜合金等；

Materials: 304, 304L, 316L, 310S, duplex steel, composite materials, titanium alloy, copper alloy, etc.

5.3 产品执行标准：GB/T12771、HG 20537.3/20537.4、GB/T21832.2

Product standard: GB/T12771,HG 20537.3/20537.4,GB/T21832.2

5.4 产品规格表（见下页）

Specifications ( See next page )







### 6. 锅炉、热交换器和冷凝器用不锈钢管

#### Stainless steel tubes for boilers, heat exchangers and condensers

6.1 应用领域：高压和超高压电站锅炉，过热蒸汽管、沸水管及机车锅炉用过热蒸汽管；

Application fields: high pressure and ultra-high pressure power station boilers, superheated steam pipes, boiling water pipes and superheated steam pipes for locomotive boilers;

6.2 常用材质：304、304L、316L、310S、双相钢等；

Materials: 304, 304L, 316L, 310S, duplex steel, etc.

6.3 产品执行标准：ASTM A269、ASTM A249、GB/T 24593、GB/T21832.1

Product standard：ASTM A269,ASTM A249,GB/T 24593,GB/T21832.1

6.4 产品规格表

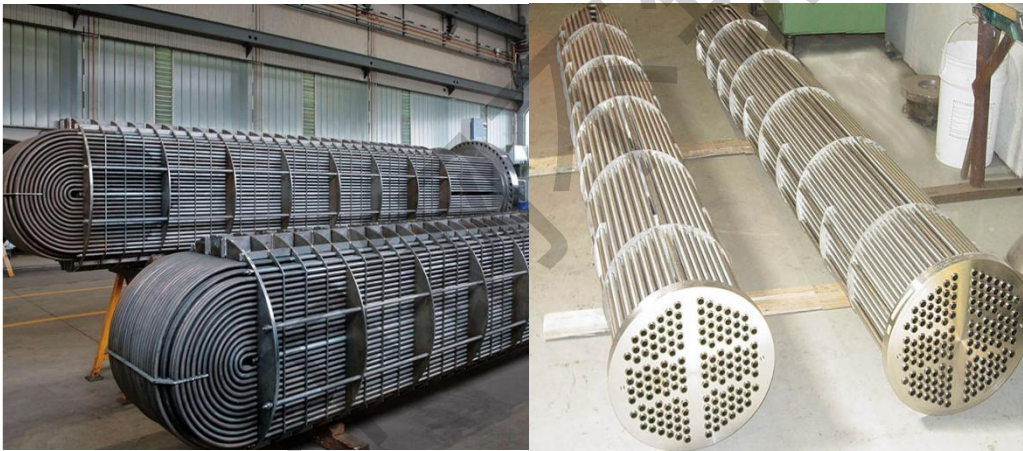
Specifications

外径 Outside Diameter		厚度 Thickness(mm)												
(inch)	(mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0	2.5	3.0	4.0	5.0
	9.50													
	12													
1/2"	12.70													
	13													
	14													
5/8"	15.90													
3/4"	19.1													
7/8"	22.20													
1"	25.40													
1-1/8"	28.60													
1-1/4"	31.80													
1-1/2"	38.10													
	40													
	45													
2"	50.80													
	52													
2-1/4"	57.15													
2-3/8"	60.30													
2-1/2"	63.50													
	70													
3"	76.20													
	85													
3-1/2"	88.90													
4"	101.60													



外径 Outside Diameter		厚度 Thickness(mm)												
(inch)	(mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0	2.5	3.0	4.0	5.0
4-1/8"	104.78													
4-1/4"	107.95													
4-1/2"	114.30													
5-1/4"	133.35													
6-1/4"	158.75													
8-5/8"	219.08													

U型管、直管、盘管（冷凝器、热交换器）



## 7.内衬用不锈钢钢管

### Stainless steel tubes for lining

7.1 应用领域：电力、煤炭、城乡建设、船舶、石油化工、机械、核工业等有关行业；

Application fields:Electric power, coal, urban and rural construction, shipbuilding, petrochemical, machinery, nuclear industry and other related industries;

7.2 常用材质：304、304L、316L、321、双相钢等；

Materials: 304, 304L, 316L, 321, duplex steel, etc.

7.3 产品执行标准：GB/T 12771、GB/T 24593、GB/T 21832.1/2、ASTM A269、ASTM A249、ASTM A358、ASTM A789、API 5LC 等

Product standard：GB/T 12771, GB/T 24593, GB/T 21832.1/2, ASTM A269, ASTM A249, ASTM A358, ASTM A789, API 5LC, etc.

7.4 产品规格表

Specifications



NPS(DN)	外径 Outside Diameter		厚度 Thickness(mm)																									
	In.	Mm	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	
1/2 ( 15 )	0.84	21.3																										
3/4 ( 20 )	1.05	26.7																										
1 ( 25 )	1.315	33.4																										
1-1/4" ( 32 )	1.660	42.2																										
1-1/2" ( 40 )	1.900	48.3																										
2 ( 50 )	2.375	60.3																										
2-1/2 ( 65 )	2.875	73																										
3 ( 80 )	3.500	88.9																										
3-1/2 ( 90 )	4.000	101.6																										
4 ( 100 )	4.500	114.3																										
5 ( 125 )	5.563	141.3																										
6 ( 150 )	6.625	168.3																										
8 ( 200 )	8.625	219.1																										
10 ( 250 )	10.75	273																										
12 ( 300 )	12.75	323.8																										
14 ( 350 )	14	35.6																										
16 ( 400 )	16	406.4																										
18 ( 450 )	18	457																										
20 ( 500 )	20	508																										
22 ( 550 )	22	559																										
24 ( 600 )	24	610																										

NPS(DN)	外径 Outside Diameter		厚度 Thickness(mm)																									
	In	Mm	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	
	28 ( 700 )	28	711																									
30 ( 750 )	30	762																										
32 ( 800 )	32	813																										
36 ( 914 )	36	914																										
40 ( 1000 )	40	1016																										
48 ( 1200 )	48	1219																										
56 ( 1400 )	56	1422																										
64 ( 1600 )	64	1626																										

中钢不锈钢管业





### 8.食品卫生用不锈钢钢管

#### Stainless steel tubes for foodhygiene

8.1 应用领域：食品饮料、制酒、制药、供水，及相关对内表面有要求的行业；

Application fields: food and beverage, wine making, pharmaceutical, water supply, and related industries with internal surface requirements ;

8.2 常用材质：304、304L、316L、310S、双相钢等；

Materials: 304, 304L, 316L, 310S, duplex steel, etc.

8.3 产品执行标准：ASTMA270、DIN11850、ISO2037、JISG3447、QB/T2467；

Product standards: ASTMA270, DIN11850, ISO2037, JISG3447, QB/T2467；

8.4 产品规格

Specifications

外径(mm) Outside Diameter	厚度 Thickness(mm)										
	0.51	0.64	0.81	0.89	1.24	1.65	2.11	2.77	3.4	3.78	4.19
19.1											
25.4											
31.8											
38.1											
50.8											
63.5											
76.2											
88.9											
101.6											
127											
114.3											
139.7											
152.4											
165.1											
177.8											
190.5											
203.2											
215.9											
228.6											
241.3											
254											
266.7											
279.4											
292.1											
304.8											

## 9. 不锈钢加强筋螺旋焊管

### Stainless steel reinforced spiral welded pipes

9.1 应用领域：煤矿等；

Application fields: Coal mine etc.

9.2 常用材质：304、304L；

Materials: 304, 304L；

9.3 产品规格表

Specifications

系列 Series		系列 Series		厚度(mm) Thickness	加强筋高度(mm) Stiffener Height	加强筋距离(mm) Stiffener Distance
规格 Size mm	重量 Weight (Kg/m)	规格 Size mm	重量 Weight (Kg/m)			
323.9	12.7	325	12.8	1.5	≥13	250
355.6	14.2	377	15.1			
406.0	16.2	426	17.0			
457.4	18.7	478	19.6			
508	27.6	529	28.8	2	≥15	
559	30.4					
610	42.0	630	43.4	2.5	≥18	
660	45.5					
711	49.0	720	49.7			
762	64.2					
813	67.6	820	68.2	3	≥20	
864	71.9					
914	89.5	920	90.1	3.5	≥23	
1016	99.5	1202	99.9			
1067	120.9					
1118	126.7			4	≥27	
1168	132.4					
1219	138.2	1220	138.3			