

不锈钢管专业制造商
PROFESSIONAL MANUFACTURER OF STAINLESS STEEL PIPES

HDGY 浩德钢业
HAODE STEEL

高起点 严要求 抓质量
保安全 促进度 争一流

HIGH STARTING POINT, STRICT REQUIREMENTS, QUALITY CONTROL
SAFEGUARDING PROMOTION AND STRIVING FOR FIRST-CLASS

不锈钢管专业制造商
PROFESSIONAL MANUFACTURER
OF STAINLESS STEEL PIPES

温州浩德钢业有限公司
WENZHOU HAODE STEEL INDUSTRY CO., LTD

地址/Add: 浙江省温州市龙湾区蓝田小陡一期
Lantian Xiaodou Phase I, Longwan District, Wenzhou City, Zhejiang Province

电话/Tel: 0577-56607693

传真/Fax: 0577-56607692

手机/Mob: 15869439793 | 15867767858

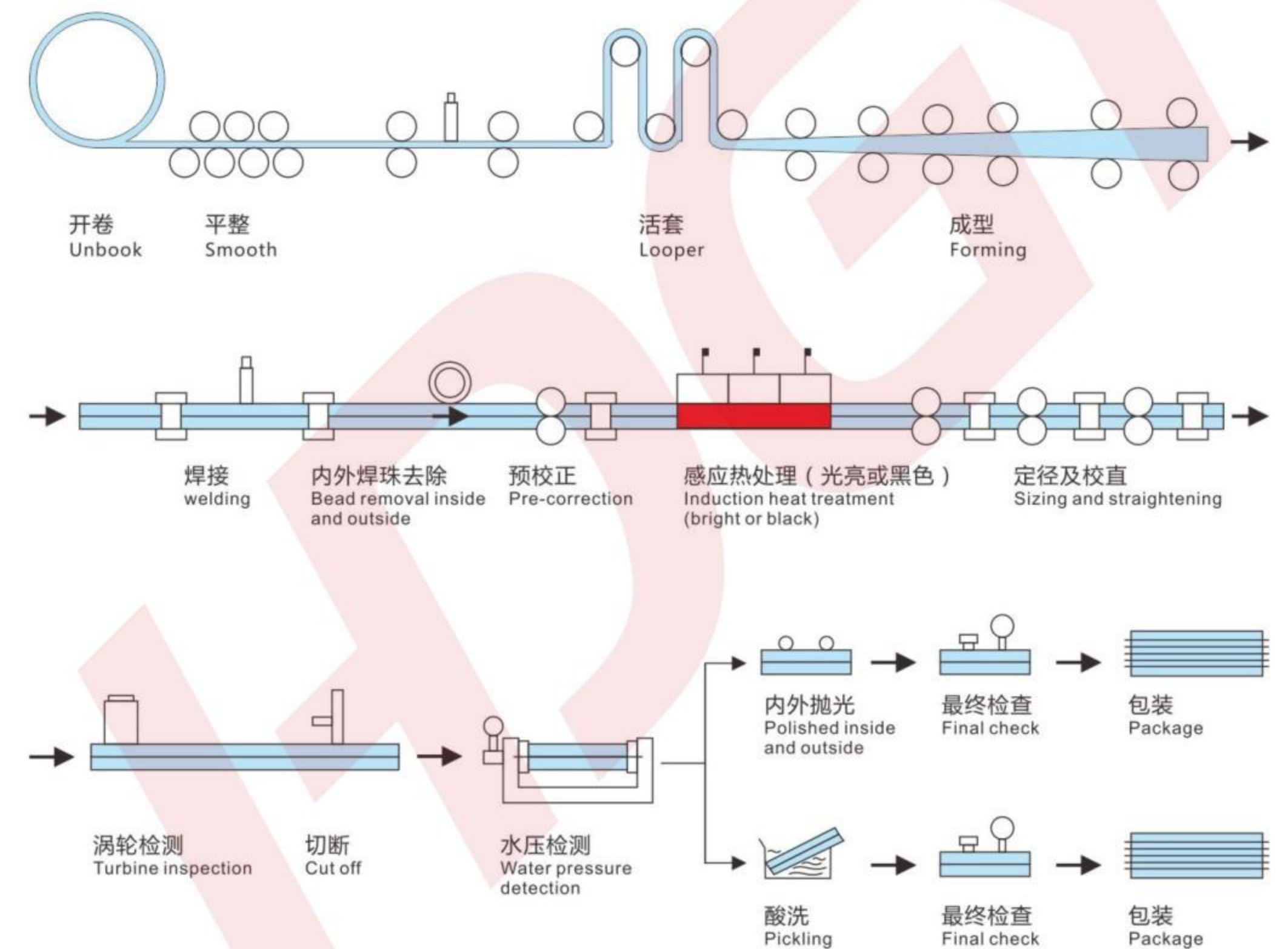
网址/Http: www.zjhdgy.com



PROCESS FLOW OF STAINLESS STEEL WELDED PIPE 不锈钢焊管工艺流程

公司以“同样的产品比质量，同样的质量比价格，同样的价格比服务，同样的服务比信誉，竭诚为客户提供质优价廉的不锈钢焊管等特色产品。”

The company is dedicated to providing customers with high-quality and low-cost stainless steel welded pipes and other characteristic products based on the principle of "the same product compared to quality, the same quality compared to price, the same price compared to service, and the same service compared to reputation."



COMPANY PROFILE 企业简介

温州浩德钢业有限公司是一家专业从事加工生产，国内外销售为一体的不锈钢管道材料专业化公司，集各种不锈钢管道产品为一体，提供各种材质不锈钢精密管、毛细管、汽车摩托车用管、仪表电热用管、医疗针管、卫生级管、工业用管以及配套的管件，法兰，阀门等系列产品，为国内外客户提供一站式不锈钢管道产品服务。

公司主打产品为：不锈钢精密管、毛细管、高压厚壁管、大口径薄壁、厚壁管。

主要材质：304、304L、304H、321、321H、316、316L、316Ti、317L、310S(2520)、347H、904L、双相钢 (S32205、S31803、S32750、镍基合金 (600、625、800、800H、825、C-276、C-4)、高温合金 (GH3030、GH3039、GH3128) 等。

执行标准：国标、美标、欧标、日标。

我公司产品广泛用于石油、化工、铁路、医药、生物、食品、造纸、电力、航空航天、船舶、环保、锅炉热交换器、汽车摩托车、仪表电热等领域。

公司坚持以“质量为先、诚信为本”的经营宗旨，热忱欢迎国内外客商、各界人士惠顾、洽谈和合作，携手共进、互利共赢。

Zhejiang Wenqiang Stainless Steel Co., Ltd. is a professional stainless steel pipe material company specializing in processing, production, and sales at home and abroad. It integrates various stainless steel pipe products, providing various materials of stainless steel precision tubes, capillary tubes, automotive and motorcycle tubes, instrument and electric heating tubes, medical needle tubes, sanitary tubes, industrial tubes, and supporting pipe fittings, flanges, valves, and other series of products. Provide one-stop stainless steel pipe product service for domestic and foreign customers. The company's main products are: stainless steel precision tubes, capillary tubes, high-pressure thick wall tubes, large diameter thin-walled, thick wall tubes.

Main materials: 304, 304L, 304H, 321, 321H, 316, 316L, 316Ti, 317L, 310S (2520), 347H, 904L, dual phase steel (S32205, S31803, S32750), nickel based alloys (600, 625, 800, 800H, 825, C-276, C-4), superalloys (GH3030, GH3039, Gh3128), etc.

Executive standards: national standards, American standards, European standards, and Japanese standards.

Our products are widely used in the fields of petroleum, chemical industry, railway, medicine, biology, food, papermaking, electric power, aerospace, shipbuilding, environmental protection, boiler heat exchanger, automobile, motorcycle, instrument electric heating, etc.

The company adheres to the business purpose of "quality first, honesty based", and warmly welcomes domestic and foreign merchants and people from all walks of life to visit, negotiate, and cooperate, working together for mutual benefit and win-win results.

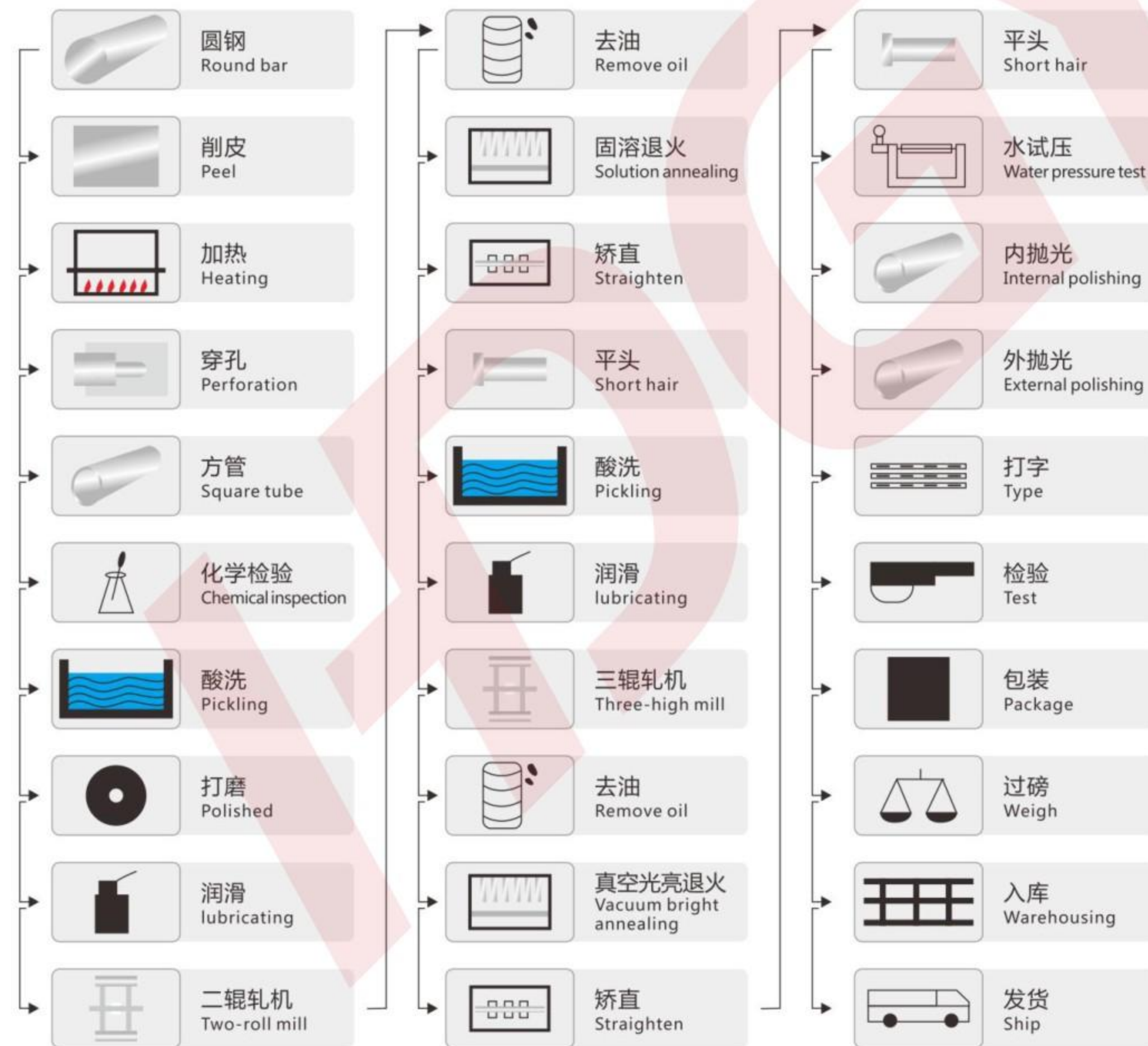


PROCESS FLOW OF STAINLESS STEEL SEAMLESS PIPE

不锈钢无缝管工艺流程

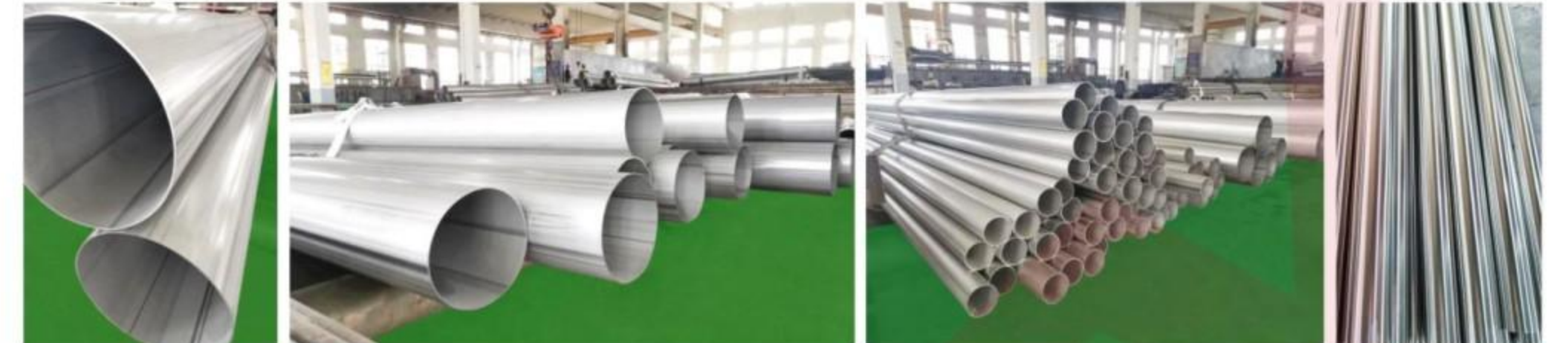
严格控制生产过程质量，保证产品处于行业领先水平，规范推进全方位的质量监控。质量管理体系已全面与国际接轨，带领企业获得荣誉的同时，更多地给予公司客户真正“上帝”般的消费体验。

Strictly control the quality of the production process, ensure that the products are at the leading level in the industry, and standardize and promote comprehensive quality monitoring. The quality management system has been fully integrated with international standards, leading enterprises to obtain honors while giving more customers a truly "God like" consumer experience.



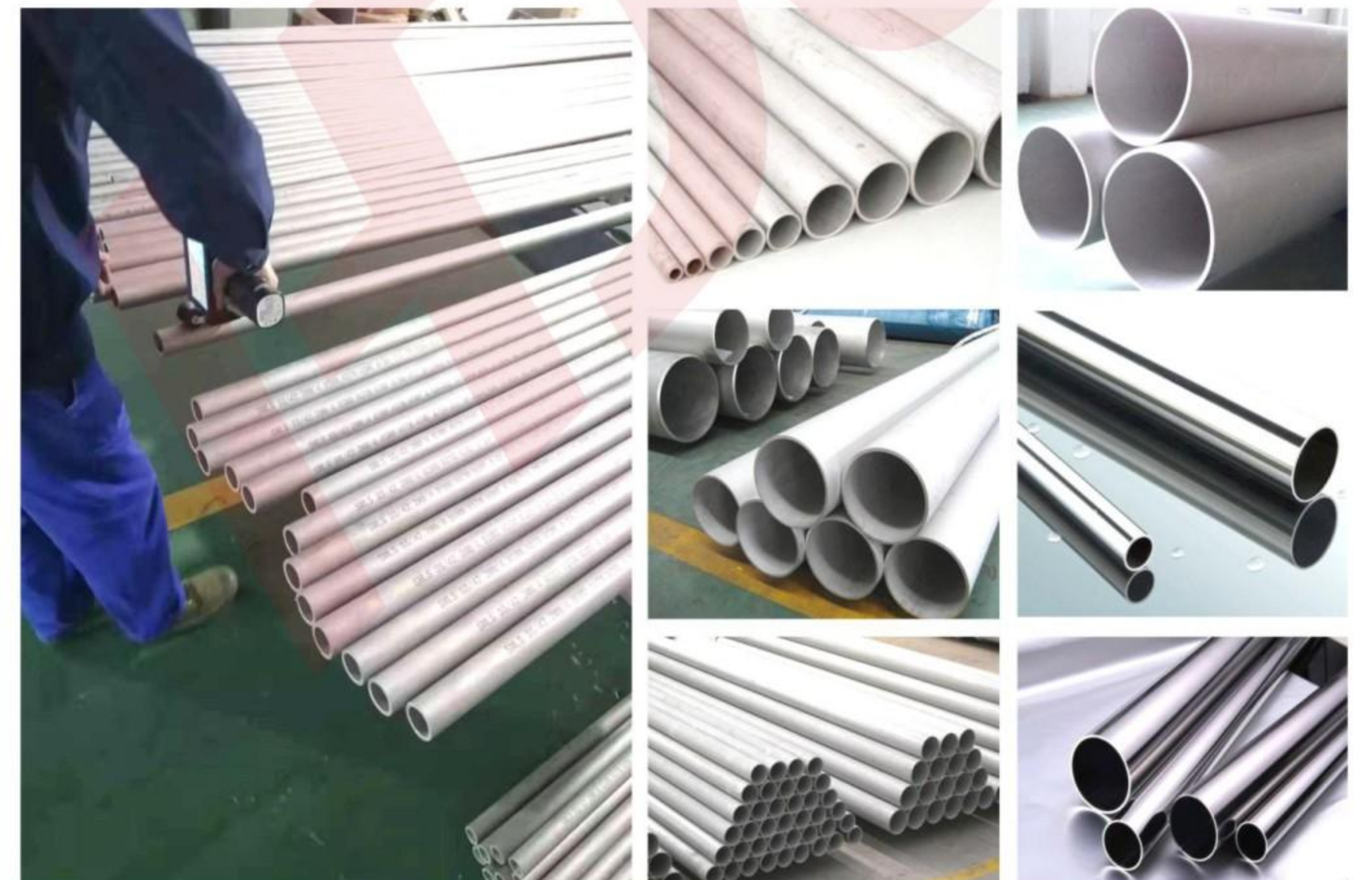
STAINLESS STEEL WELDED PIPE

不锈钢焊管



STAINLESS STEEL SEAMLESS PIPE

不锈钢无缝管



CHEMICAL COMPOSITION TABLE

常见钢种化学成分对照表

304	标准	牌号	C(Max)	Min(Max)	P(Max)	S(Max)	Si(Max)	Cr	Ni	N(Max)	
	GB	06Cr19Ni10	0.08	2.00	0.035	0.03	1.00	18.0-20.0	8.0-11.0		
ASTM	TP304	0.08	2.00	0.045	0.03	1.00	18.0-20.0	8.0-11.0			
JIS	SUS304	0.08	2.00	0.040	0.03	1.00	18.0-20.0	8.0-11.0			
DIN	1.4301	0.07	2.00	0.045	0.03	1.00	17.0-19.5	8.0-10.5	0.11		
304L	标准	牌号	C(Max)	Min(Max)	P(Max)	S(Max)	Si(Max)	Cr	Ni	N(Max)	
	GB	022Cr19Ni10	0.03	2.00	0.035	0.03	1.00	18.0-20.0	8.0-12.0		
ASTM	TP304L	0.035	2.00	0.045	0.03	1.00	18.0-20.0	8.0-12.0			
JIS	SUS304L	0.03	2.00	0.040	0.03	1.00	18.0-20.0	9.0-13.0			
DIN	1.4306	0.03	2.00	0.045	0.03	1.00	18.0-20.0	10.0-12.0	0.11		
DIN	1.4307	0.03	2.00	0.045	0.03	1.00	17.5-19.5	8.0-10.0	0.11		
321	标准	牌号	C(Max)	Min(Max)	P(Max)	S(Max)	Si(Max)	Cr	Ni	Ti	
	GB	06Cr18Ni11Ti	0.08	2.00	0.035	0.03	1.00	17.0-19.0	9.0-12.0	5C-0.7	
ASTM	TP321	0.08	2.00	0.045	0.03	1.00	17.0-19.0	9.0-12.0	5C-0.7		
JIS	SUS321	0.08	2.00	0.040	0.03	1.00	17.0-19.0	9.0-13.0	≥5C		
DIN	1.4541	0.08	2.00	0.045	0.03	1.00	17.0-19.0	9.0-12.0	5C-0.7		
310S	标准	牌号	C(Max)	Min(Max)	P(Max)	S(Max)	Si(Max)	Cr	Ni	N(Max)	
	GB	06Cr25Ni20	0.08	2.00	0.035	0.03	1.50	24.0-26.0	19.0-22.0		
ASTM	2520	0.08	2.00	0.045	0.03	1.00	24.0-26.0	19.0-22.0			
JIS	SUS310S	0.08	2.00	0.040	0.03	1.00	24.0-26.0	19.0-22.0			
DIN	1.4845	0.10	2.00	0.045	0.015	1.50	24.0-26.0	19.0-22.0	0.11		
316L	标准	牌号	C(Max)	Min(Max)	P(Max)	S(Max)	Si(Max)	Cr	Ni	Mo	N(Max)
	GB	06Cr17Ni12Mo2Ti	0.08	2.00	0.035	0.03	1.00	16.0-18.0	10.0-14.0	2.0-3.0	
ASTM	TP316Ti	0.08	2.00	0.045	0.03	1.00	16.0-18.0	10.0-14.0	2.0-3.0	0.1	
JIS	SUS316Ti	0.08	2.00	0.040	0.03	1.00	16.0-18.0	10.0-14.0	2.0-3.0		
DIN	1.4571	0.08	2.00	0.045	0.03	1.00	16.5-18.5	10.0-14.0	2.0-3.0		
317	标准	牌号	C(Max)	Min(Max)	P(Max)	S(Max)	Si(Max)	Cr	Ni	Mo	N(Max)
	GB	06Cr19Ni13Mo3	0.08	2.00	0.035	0.03	1.00	18.0-20.0	11.0-15.0	3.0-4.0	
ASTM	Tp317	0.08	2.00	0.045	0.03	1.00	18.0-20.0	11.0-15.0	3.0-4.0		
JIS	SUS317	0.08	2.00	0.040	0.03	1.00	18.0-20.0	11.0-15.0	3.0-4.0		
DIN	1.4438	0.03	2.00	0.045	0.015	1.00	17.5-19.5	13.0-16.0	3.0-4.0	0.11	
2205	标准	牌号	C(Max)	Min(Max)	P(Max)	S(Max)	Si(Max)	Cr	Ni	Mo	N(Max)
	GB	022Cr22Ni5Mo3N	0.03	2	0.030	0.02	1.00	21.0-23.0	4.5-6.5	2.5-3.5	0.08-0.2
ASTM	S31803	0.03	2.00	0.030	0.02	1.00	21.0-23.0	4.5-6.5	2.5-3.5	0.08-0.2	
JIS	SUS329J3L	0.03	1.05	0.040	0.03	1.00	21.0-24.0	4.5-6.5	2.5-3.5	0.08-0.2	
DIN	1.4462	0.03	2.00	0.035	0.015	1.00	21.0-23.0	4.5-6.5	2.5-3.5	0.08-0.2	

NATIONAL STANDARD PRESSURE WALL THICKNESS COMPARISON TABLE

国标压力壁厚对照表

国标尺寸 National standard size

公称直径	外径 (B)	Sch 5s	Sch 10s	Sch 20s	LG	Sch 20	Sch 30	STD	Sch 40	Sch 60	XS	Sch 80	Sch 100	Sch 120	Sch 140	Sch 160
15	18	1.6	2.1	2.6	-	-	-	-	2.9	-	-	3.6	-	-	-	4.5
20	25	1.6	2.1	2.6	-	-	-	-	2.9	-	-	4.0	-	-	-	5.6
25	32	1.6	2.8	3.2	-	-	-	-	3.2	-	-	4.5	-	-	-	6.3
32	38	1.6	2.8	3.2	-	-	-	-	3.6	-	-	5.0	-	-	-	7.1
40	45	1.6	2.8	3.2	-	-	-	-	3.6	-	-	5.0	-	-	-	7.1
50	57	1.6	2.8	3.6	-	3.2	-	-	4.0	-	-	5.6	-	-	-	8.8
65	76	2.0	3.0	3.6	-	4.5	-	-	5.0	-	-	7.1	-	-	-	10.0
80	89	2.0	3.0	4.0	-	4.5	-	-	5.6	-	-	8.0	-	-	-	11.0
90	-	2.0	3.0	4.0	-	4.5	-	-	5.6	-	-	8.0	-	-	-	12.5
100	108	2.0	3.0	4.0	-	5.0	-	-	5.9	-	-	8.8	-	11.0	-	14.2
125	133	2.9	3.4	5.0	-	5.0	-	-	6.3	-	-	10.0	-	12.5	-	16.0
150	159	2.9	3.4	5.0	-	5.6	-	-	7.1	-	-	11.0	-	14.2	-	17.5
200	219	2.9	4.0	6.3	-	6.3	7.1	-	8.0	10.0	-	12.5	16.0	17.5	20.0	22.2
250	273	3.6	4.0	6.3	-	6.3	8.0	-	8.8	12.5	-	16.0	17.5	22.2	25.0	28.0
300	325	4.0	4.5	6.3	-	6.3	8.8	-	10.0	14.2	-	17.5	22.2	25.0	28.0	32.0
350	377	4.0	5.0	-	8.0	8.0	10.0	10.0	11.0	16.0	13.0	20.0	25.8	28.0	32.0	36.0
400	426	4.0	5.0	-	8.0	8.0	10.0	10.0	12.5	17.5	13.0	22.2	28.5	30.0	36.0	40.0
450	480	4.0	5.0	-	8.0	8.0	11.0	10.0	14.2	20.0	13.0	25.0	30.0	36.0	40.0	45.0
500	529	5.0	5.6	-	8.0	10.0	12.5	10.0	16.0	20.0	13.0	28.0	32.0	40.0	45.0	50.0
550	-	5.0	5.6	-	8.0	-	-	10.0	-	-	13.0	30.0	-	-	-	-
600	630	5.6	6.3	-	8.0	-	-	10.0	17.5	-	13.0	32.0	-	-	-	-
650	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
700	720	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
750	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
800	820	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
850	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
900	920	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
950	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1000	1020	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1050	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1100	1150	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1150	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1200	1220	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-