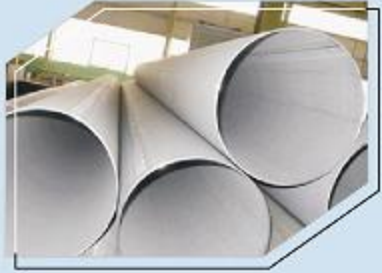


Hha
Honghua alloy



特种合金钢、不锈钢产品的专业制造商



浙江宏华特钢科技有限公司

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PROFESSIONAL MANUFACTURER & SUPPLIER FOR SPECIAL ALLOYS,
STAINLESS STEEL TUBES, BARS, FITTINGS

浙江宏华特钢科技有限公司

ZHEJIANG HONGHUA SPECIAL STEEL TECHNOLOGY CO.,LTD.



公司简介

浙江宏华特钢科技有限公司由温州信得达不锈钢材料有限公司和浙江诚得达不锈钢有限公司投资成立，专业研发和生产双相不锈钢、超级奥氏体不锈钢以及高温镍基、铁基等特种合金的各类管材、棒材、锻件为主的高新技术企业。信得达公司经过十几年的努力，本着“以品质换生存”的方针，凭借着过硬的产品质量和贴心的服务，已经在国内外不锈钢行业内赢得了良好的口碑。为了更好的迎合市场发展需求，浙江宏华特钢科技有限公司更是以“侧重技术研发、保持产品质量稳定、提供专业优质服务”为企业运营方针，在不断创新与发展的市场环境下，我们坚信我们的产品和服务一定会让顾客满意。

宏华公司座落于浙江省温州市龙湾区永中街道天中路938号（高新园区度山村），距温州火车站22公里，距温州机场4公里，占地面积7000平方米，现有员工150多人，技术人员18人，工程师5人；公司现拥有真空精炼炉、电渣重熔、锻造加工、冷拔机、冷轧机、全自动棍底炉等生产线，圆钢、锻件、法兰年生产能力1000吨，以特种合金钢为主要推荐产品；传统产品有普通奥氏体不锈钢无缝管，口径供应范围6mm-711mm，年生产能力5000吨以上，公司主要生产锅炉和热交换器用管、大口径406mm以上薄壁管和厚壁管，拥有全自动控制的热处理炉，可进行稳定化热处理工作；公司还拥有专业化的化学分析仪器、直读光谱仪、电火花光谱、碳硫分析仪、涡流探伤、超声波探伤、水底气密检测、水压试验机、液压拉伸试验机、硬度测试仪等整套齐全的质量检测设备和仪器。我公司生产的高温合金、耐蚀合金、精密合金、特殊不锈钢、奥氏体不锈钢等产品规格有棒材、法兰、锻件、管材、管件等，产品广泛应用于电力、石油化工、军工、航空航天、船舶、机械、能源、电子、环保、仪器仪表等各大领域。

浙江宏华特钢科技有限公司诚邀业内技术人才和广大业主用户来厂参观考察洽谈业务，与我们共同发展高品质的事业。

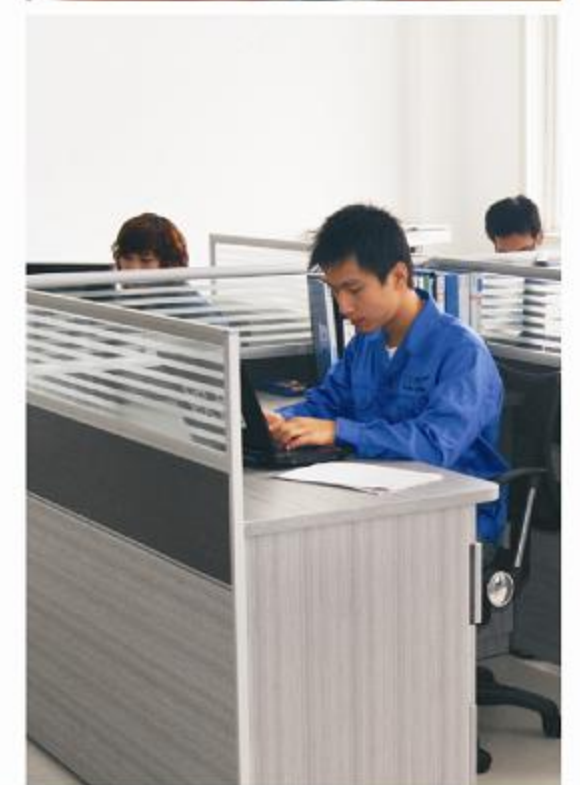


ABOUT US

Zhejiang Honghua Special Steel Technology Co.,Ltd.(hereinafter referred as Honghua) is a HI-TECH company specialized in developing & manufacturing special alloy & stainless steel tubes, bars, flanges, forgings, such as nickel alloys, ferrous alloys, duplex and super duplex materials. Honghua is mainly invested by Wenzhou Xindeda Stainless Steel Co.,Ltd. And Zhejiang Chengdeda Stainless Steel Co.,Ltd. To pursue quality policy of 'Quality for growth', Xindeda gaining good reputation on and abroad with more than 10 years development of XINDEDA brand based on good quality and warmhearted service concept. To meet the market supply & demand, with the guidance quality policy of 'Technology for development, quality for growth, service forever', all Honghuanese believe our qualified products and professional service will satisfy our customers and bring us a bright future.

Honghua factory is located on Longwan Hi-tech Industrial Area, No. 938 Tianzhong Road, Longwan, Wenzhou, Zhejiang province, with more than 7000sqm, owns 150 workers, 18 technicians and 5 engineers. On manufacturing, it owns vacuum smelting furnace, electroslag refining furnace, forging machining, cold drawing, cold rolling, automatic-control heat treatment furnace, etc. with production capacity of special alloy round bars, forgings, flanges about 1000 tons/year, general austenitic stainless steel pipes & tubes 5000 tons/year, size ranges from 6mm-711mm(O.D.)(including our advantage products of heat exchanger tubes, boiler tubes, big diameter seamless pipes such as 16"-28" NPS, SCH5S, SCH10S). Besides, it also owns full set of testing equipments such as chemical analysis, mechanical testing machines, PM machine, hardness testing, Eddy-current, Ultrasonic testing, Hydrostatic Testing, Air under water testing machines and so on. Our products are widely applied on power plants, petro-chemical, military projects, aviation & space, shipbuilding, engineering, energy, electronic, environment protection, instrumentation, etc.

Warmly welcome to visit our factory and develop the market with mutual benefits!



我们的主要产品有: OUR MAIN PRODUCTS:

奥氏体不锈钢 AUSTENITIC STAINLESS STEEL

产品名称: 锻件、无缝管(高压锅炉用管、热交换器用管)

Products: forgings, seamless pipes & tubes

材质范围: TP304 TP304L TP321 TP309S TP310S TP316 TP316L TP317L TP347H 等

Available Grades: TP304 TP304L TP321 TP309S TP310S TP316 TP316L TP317L TP347H etc.

规格范围: 锻件可按客户设计锻制; 无缝管 Φ 6-711mm (O.D.) *0.5-45mm (W.T.),

可以生产 Φ 168-711mm (O.D.) *2.5-45mm (W.T.) 的大口径薄壁和厚壁管。

Size Range: forgings as per design drawings, seamless pipes & tubes O.D. 6 - 711mm*W.T. 0.5 - 45mm (especially professional on big diameter pipes ranges 6 - 28" NPS SCH-5S, SCH10S, SCH120, SCH160 and SCH-XXS)

我们的优势产品: OUR ADVANTAGE PRODUCTS:

双相不锈钢 Duplex & Super Duplex

产品名称: 锻件、阀门、管件、无缝管、有缝管

Products: Seamless pipes & tubes, welded tubes, fittings, flanges, valves, forgings

材质范围: UNS S32750/S32760 UNS S31803/S32205 UNS S31500 UNS S32900

Available Grades: UNS S32750/S32760 UNS S31803/S32205 UNS S31500 UNS S32900

规格范围: 锻件可按客户设计锻制; 无缝管 Φ 8-457mm (O.D.) *1-20mm (W.T.)

Size Range: Forgings as per design drawings, seamless pipes & tubes O.D. 8 - 457mm * W.T. 1 - 20mm.

我们的推荐产品: OUR PROMOTION PRODUCTS

耐高温、耐高腐蚀合金钢 Nickel & ferrous alloys

产品名称: 锻件、阀门、管件、无缝管、有缝管

Products: Seamless tubes, welded tubes, fittings, valves, forgings

材质范围: UNS N08904, N04400, N06600, N06625, N08800, N08810, N08825, N10276, S17400, S17700, S30815, S31254

Available Grades: UNS N08904, N04400, N06600, N06625, N08800, N08810, N10276, S17400, S17700, S30815, S31254

Grade:

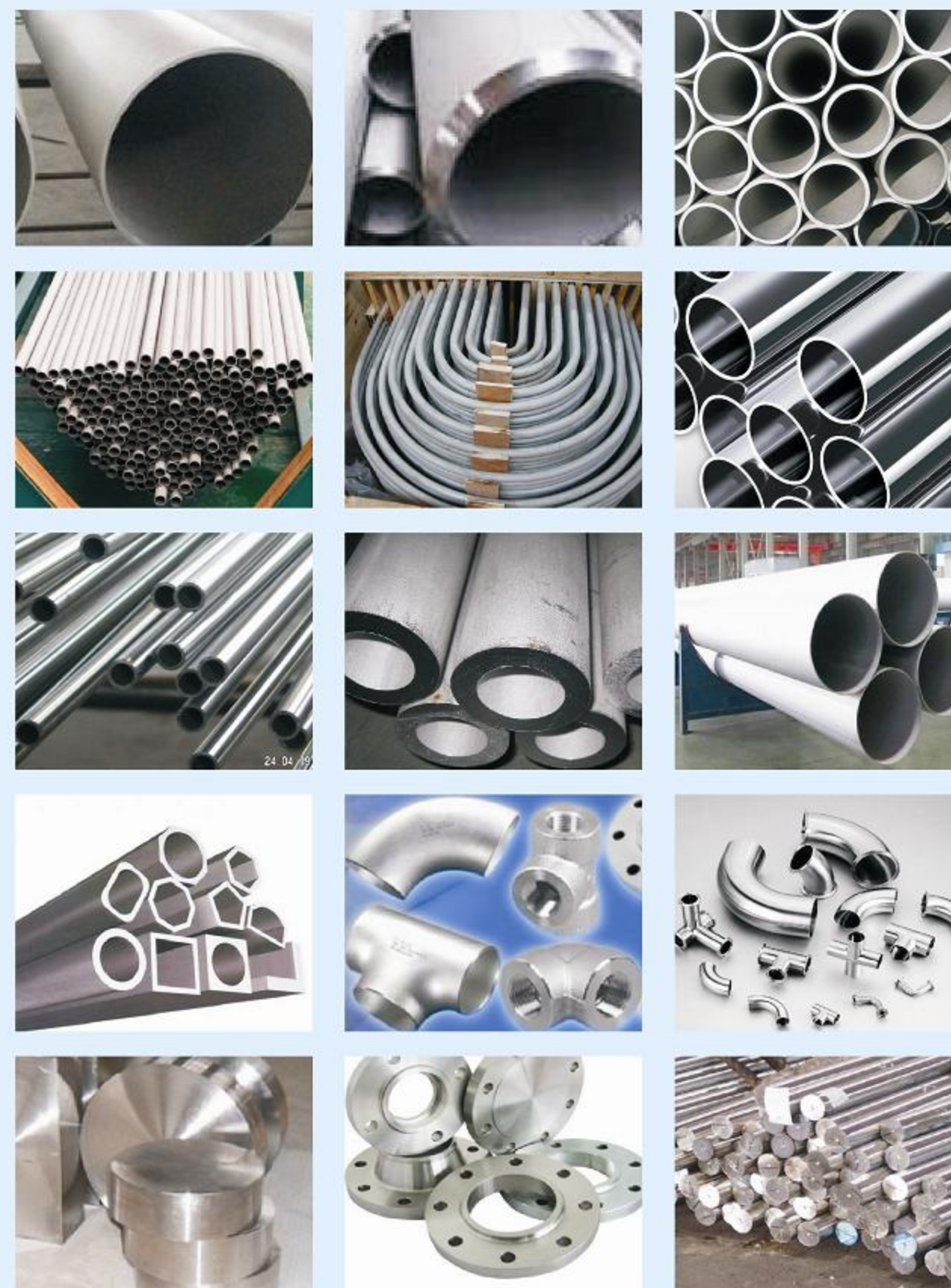
规格范围: 锻件可按客户设计锻制; 无缝管 Φ 6-325mm (O.D.) *1-20mm (W.T.)

Size Range: seamless tube O.D. 6 - 325mm*W.T. 1 - 20mm, forgings as per design drawings

生产标准: 我公司可以按照国标GB, 美标ANSI/ASME/ASTM, 德标DIN, 欧标EN/ISO, 日标JIS等不同国家标准来生产制造, 也可以根据顾客特殊需求来定制生产。

Standards: WE can produce as per different standards such as GB, ANSI/ASME/ASTM, DIN, EN/ISO, JIS etc. Or as per customer requirements..

产品展示 PRODUCTS SHOW



1、常用特种合金材料牌号对照表

Equivalent alloy grade & standard comparison

常用名称	中国	美国	德国	英国	法国
	GB	UNS	SEW VDIUV	BS	AFNOR
Incoloy 800	NS111	N08800	W.Nr.1.4876 X10NiCrAlTi3220	NA15	Z8NC32.21
Incoloy 800H	NS112	N08810	W.Nr.1.4958 X5 NiCrAlTi 31-20	NA15 (H)	
Incoloy 800HT		N08811	W.Nr.1.4959* X 8 NiCrAlTi 32-21		
Incoloy 825	NS142	N08825	W.Nr.2.4858 NiCr21Mo	NA16	NC21FeDu
Inconel 600	NS312	N06600	W.Nr.2.4816 NiCr1 5Fe	NA14	NC15Fe
Inconel 601	NS313	N06601	W.Nr.2.4851 NiCr23Fe		NC23FeA
Inconel 625	NS336	N06625	W.Nr.2.4856 NiCr22Mo9Nb	NA21	NC22Dnb
Inconel 718	GH4169	N07718	W.Nr.2.4668 NiCr19Fe19Nb5Mo3	NA51	NC19FeNb
Monel 400		N04400	W.Nr.2.4360 NiCu30Fe	NA12	NU30
Hastelloy B-2	NS322	N10665	W.Nr.2.4617 NiMo28		NiMo28
Hastelloy C-22		N06022	W.Nr.2.4602		
Hastelloy C276	NS334	N10276	W.Nr.2.4819 NiMo16Cr15W	NC17D	
254SMO/F44		S31254	W.Nr.1.4547		
253Ma		S30815			
904L	00Cr20Ni25Mo4.5Cu	N08904	W.Nr.1.4539		
17-4PH	05Cr17Ni4CuNb	S17400	W.Nr.1.4542		
17-7PH	07Cr17Ni7Al	S17700	W.Nr.1.4568		
GH2132	GH2132	S66286	W.Nr.1.4890		
GH3030	GH3030				

2、常用双相不锈钢牌号对照表

Equivalent steel grade & standard comparison for duplex

型号/国家	中国	美国	瑞典	德国	法国
低合金型	00Cr23Ni4N	UN23	SS232	W. Nr.1.4362	UR35N
中合金型	00Cr18Ni5Mo3Si2	UNS S31500	SS2376(3RE60)	W.Nr.1.4417	UR45N
	00Cr22Ni5Mo3N	UNS S31803	SS2377	W.Nr.1.4462	
高合金型	0Cr25Ni5Mo2	UNS S32900	SS2324(10RE51)	W.Nr.1.4460	
	00Cr25Ni7Mo3WCuN	UNS S31260		W.Nr.1.4501	
超级双相钢	00Cr25Ni7Mo4N	UNS S32750	SS2328	W.Nr.1.4410	

铁基耐蚀合金管 Ferrous Alloy Tubes

产品特点 Specialty	规格范围 Size Range
本产品具有良好的耐应力腐蚀性能和耐高温腐蚀性适用于制造常规电厂、化工、石化工业中的过热器、换热器、蒸发器、及核动力工中的换热器、蒸发器等。	外径10~168MM 壁厚1~10MM O.D.10-168mm * W.T. 1-10mm

订货标准 Standards	采用牌号 Using Grades
ASTM B163、ASME SB163	Incoloy800

牌号 \ 元素	Ni	Cu	Fe	Mn	C
Incoloy800	30.0/ 35.0	≤ 0.75	≤ 39.5	≤ 1.5	≤ 0.10
牌号 \ 元素	Si	S	Cr	AL	Ti
Incoloy800	≤ 1.0	≤ 0.015	19.0/ 23.0	0.15/ 0.60	0.15/ 0.60

本产品性能指标 (按ASTM B163)
performance (ASTM B163)
IncoLoy800 $\sigma_b \geq 517\text{Mpa}$ $\sigma_{0.2} \geq 207\text{Mpa}$ $\delta \geq 30\%$

产品特点 Specialty	订货标准 Standards
本产品对碱有较高的抗蚀性，其中镍铜、镍铬耐蚀合金分别在还原性介质及氧化性介质中具有良好的耐蚀性。应用于化学和石化工业以及海洋开发制造加热器、换热器、蒸发器、冷凝器及输送管线。	ASTM B163、ASME SB165、ASMESB 167 GB5235、GB2882

规格范围 Size Range	采用牌号 Using Grades
外径10~168mm 壁厚1~10mm O.D. 10-168mm * W.T. 1-10mm	Monel 400、Inconel 600、UNS N02200 N02201

牌号 \ 元素	Ni	Cu	Fe	Mn	C	Si	S	Cr
Monel 400	63.0	28.0/34.0	≤0.25	2.0	0.3	0.5	0.024	
Inconely 600	72.0	≤0.05	6.0/10.0	1.0	0.15	0.5	0.015	14.0/17.0
镍UNS N02200	99.0	≤0.25	≤0.40	0.35	0.15	0.35	0.01	
低碳镍UNS N02201	99.0	≤0.25	≤0.40	0.35	0.02	0.35	0.01	

本产品性能指标 (按ASTM B163) This product performance (ASTM B163)			
Monel400	$\sigma_b \geq 483\text{Mpa}$	$\sigma_{0.2} \geq 193\text{Mpa}$	$\sigma \geq 35\%$
InconeL600	$\sigma_b \geq 552\text{Mpa}$	$\sigma_{0.2} \geq 241\text{Mpa}$	$\sigma \geq 30\%$
镍UNS N02200	$\sigma_b \geq 379\text{Mpa}$	$\sigma_{0.2} \geq 103\text{Mpa}$	$\sigma \geq 40\%$
低碳镍UNS N02201	$\sigma_b \geq 345\text{Mpa}$	$\sigma_{0.2} \geq 83\text{Mpa}$	$\sigma \geq 40\%$

超级奥氏体不锈钢 (904L) SUPER AUSTENITIC STAINLESS STEEL

产品特点 Specialty

超级奥氏体不锈钢904L (00Cr20Ni25Mo4.5Cu, UNS N08904, EN:1.4539) 是一种超低碳的高合金奥氏体不锈钢; 专为腐蚀条件苛刻的环境而设计。具有较高的铬含量和足够的镍含量, 铜的加入使它具有很强的抗酸能力, 尤其对氯化物间隙腐蚀和应力腐蚀崩裂有高度抗性, 不易出现蚀损斑和裂缝, 抗点蚀能力优于其他钢种在稀硫酸中有很好抗腐蚀性, 在苛刻的酸性介质中, 对点蚀和缝隙腐蚀、晶间腐蚀、应力腐蚀和一般性腐蚀都有良好的抗腐蚀性; 在纯磷酸中表现最好, 具有良好的可加工性和可焊性, 可用于压力容器等。

订货标准 Standards

ASME SB677 ASTM/ASME A/SA312

规格范围 Size Range

外径6-325mm 壁厚1-20mm
O.D.6-325mm * W.T.1-20mm

采用牌号 Using Grades

UNS N08904

904L 美国标准化学成份表[%] Chemical composition

C	Mn	P	S	Si	Ni	Cr	Mo	Cu	Fe
Max. 0.02	Max. 2.00	Max. 0.045	Max. 0.035	Max. 1.00	23.0-28.0	19.0-23.0	4.0-5.0	1.0-2.0	余量



双相不锈钢材料化学成分 CHEMICAL COMPOSITION

钢号	C≤	Mn≤	Si≤	S≤	P≤	Cr	Ni	Mo	Cu≤	N
S32750 00Cr25Ni7Mo4N	0.03	1.20	0.80	0.02	0.035	24.0/ 26.0	6.0/ 8.0	3.0/ 5.0	0.50	0.24/ 0.32
S31803/S32205 00Cr22Ni5Mo3N	0.03	2.00	1.0	0.02	0.030	22.0/ 23.0	4.50/ 6.50	3.00/ 3.50		0.14/ 0.20
S31500 (3RE60) 00Cr18Ni5Mo3Si2	0.03	1.2/ 2.00	1.4/ 2.00	0.03	0.030	18.0/ 19.0	4.25/ 5.25	2.50/ 3.00		0.05/ 0.10

热处理及机械性能 HEAT TREATMENT & MECHANICAL PROPERTY

钢号	项目	热处理温度℃	σ _b (Mpa) ≥	σ _s (Mpa) ≥	δ % ≥	硬度 ≤	
						布氏	洛氏
S32750 00Cr25Ni7Mo4N		1025-1125 水淬	800	550	15	310	32
S31803/S32205 00Cr22Ni5Mo3N		1020-1100 水淬	620	450	25	290	30.5
S31500 (3RE60) 00Cr18Ni5Mo3Si2		980-1040 水淬	630	440	30	290	30.5

标准、材质 Material Grade & Standard	ASTM/ASME A/SA789; ASTM/ASME A/SA790
规格范围 Size range	8MM-457MM FOR S31803; 10MM-325MM FOR S32750
产品的特色 Specialty	用金相法评定铁素体及奥氏体的相比例 Metallographic test to clear the value of Austenite and Ferrite and to evaluate whether it is acceptable by the value got.
应用范围 Application	炼油工业、石油工业、海洋开发、造纸工业、化肥工业 Oil refining, Petroleum Chemical industry, Ocean developing industry, paper industry, fertilizer industry



国内外常用奥氏体不锈钢牌号近似对照表 CONTRASTIVE GRADE TALBE

中国 (China)		美国 (USA)	日本 (Japan)	英国 (UK)		德国 (Germany)	
前称 (former)	GB GB/T20878-2007	ASTM/ASME	JIS	BS970	EN10088	DIN17440	DINEN 10027-2
0Cr18Ni9	06Cr19Ni10	(S30400) 304	SUS304	304 S31	X5CrNi18-10	X5CrNi18-10	1.4301
00Cr19Ni10	022Cr19Ni10	(S30403) 304L	SUS304L	304 S11	X2CrNi19-11	X2CrNi19-11	1.4306
00Cr18Ni10N	022Cr19Ni10N	(S30453) 304LN	SUS304LN	-	X2CrNiN18-10	X2CrNiN18-10	1.4311
0Cr23Ni13	06Cr23Ni13	(S30900) 309S	SUS309S	309 S31	-	-	-
0Cr25Ni20	06Cr25Ni20	(S31008) 310S	SUS310S	310 S31	-	-	-
0Cr17Ni12Mo2	06Cr17Ni12Mo2	(S31600) 316	SUS316	316 S31	X5CrNiMo17-12-2	X5CrNiMo17-12-2	1.4401
00Cr17Ni14Mo2	022Cr17Ni12Mo2	(S31603) 316L	SUS316L	316 S31	X2CrNiMo17-12-3	X2CrNiMo18-14-3	1.4404
0Cr18Ni12Mo2Ti	06Cr17Ni12Mo2Ti	(S31635) 316Ti	SUS316Ti	320 S31	X6CrNiMoTi17-12-2	X6CrNiMoTi17-12-2	1.4571
0Cr17Ni12Mo2N	06Cr17Ni12Mo2N	(S31651) 316N	SUS316N	-	X5CrNiMo17-12-2	-	1.4401
00Cr17Ni13Mo2N	022Cr17Ni12Mo2N	(S31653) 316LN	SUS316LN	-	X2CrNiMoN17-13-3	X2CrNiMoN17-11-2	1.4429
0Cr19Ni13Mo3	06Cr19Ni13Mo3	(S31700) 317	SUS317	316 S33	-	X5CrNiMo17-13-3	-
00Cr19Ni13Mo3	022Cr19Ni13Mo3	(S31703) 317L	SUS317L	-	X2CrNiMo18-15-4	X2CrNiMo18-15-4	1.4435
0Cr18Ni11Nb	06Cr18Ni11Ti	(S32100) 321	SUS321	321 S31	X6CrNiTi18-10	X6CrNiTi18-10	1.4541
0Cr18Ni11Nb	06Cr18Ni11Nb	(S34700) 347	SUS347	347 S31	X6CrNiNb18-10	X6CrNiNb18-10	1.4550



管材产品介绍 奥氏体不锈钢无缝管 AUSTENITIC STAINLESS STEEL SEAMLESS PIPE

执行标准 Production Standard

产品严格执行ASTM/ASME、A/SA312、A/SA213、A269、EN10216-5、EN10305、DIN17458等，可根据特殊要求提供定制服务。
Strictly according to ASTM/ASME、A/SA312、A/SA213、A269、EN10216-5、EN10305、DIN17458 etc. Products can be customized according to specific requirements.

材质范围 Material Grade

Whole 300 Series, Typical
TP304 TP304L TP316 TP316L TP309S TP310S TP321 TP347H

规格范围 Size Range

φ6-711mm
(O.D.) × 0.5-45mm (W.T)

优势产品——无缝大口径薄壁和厚壁管 ADVANTAGE PRODUCTS

规格范围：生产φ168-711mm (O.D.) *2.5-45mm (W.T.) 的大口径薄壁和厚壁管。
Size Range: seamless pipes professional on big diameter pipes ranges 6" - 28" NPS SCH-5S, SCH10S, SCH120, SCH160 and SCH-XXS

应用范围 Application

Petrochemical industry, Nuclear power plant, Metallurgical industry, Medicine industry, Food industry, Power, Offshore petroleum platform, Shipbuilding, Water-treatment, Condenser, Boiler, Heat exchanger. Etc.
石油化工、核电工业、冶金、医药、食品、电力、海洋石油平台、污水处理、空调设备、锅炉热交换器。



尿素级奥氏体不锈钢管

UREA GRADE AUSTENITIC STAINLESS STEEL TUBE

产品特点 Specialty	订货标准 Standards
适用于各领域设备的受压构件和高压管道。 Applications to areas of stress components and pressure vessel & pipeline	GB/T 9843-2004 GB/T 9842-2004
采用牌号 Using grades	规格范围 Size range
00Cr17Ni14Mo2 (尿素级) / 00Cr25Ni22Mo2	外径6-168MM 壁厚2-15MM O.D.6-168mm * W.T. 2-15mm

主要牌号的化学成份 CHEMICAL COMPOSITION

主要牌号	化学成份 / (%)								
	C	Cr	Ni	Mo	N	Mn	Si	S	P
00Cr17Ni14Mo2 (尿素级) 724L	≤0.030	17.00-18.50	13.00-15.00	2.20-3.00	≤0.22	≤2.00	≤1.00	≤0.030	≤0.040
00Cr25Ni22Mo2 725LN	≤0.020	24.50-25.50	21.00-23.00	1.90-2.30	0.10-0.16	≤2.00	≤0.40	≤0.015	≤0.020

机械性能 MECHANICAL PROPSITION

材 料	化学成份 / (%)			
	σ_b / Mpa	$\sigma_{0.2}$ / MPa	δ_5 / (%)	$\sigma_{0.2}^{200^\circ\text{C}}$ / MPa
00Cr17Ni14Mo2 (尿素级) 724L	490-690	≥ 190	≥ 40	≥ 137
00Cr25Ni22Mo2 725LN	≥ 530	≥ 255	≥ 30	≥ 173 (板) ≥ 193 (管)



电站高压锅炉用不锈钢管

HIGH-PRESS BOILER TUBES

产品特点 Specialty	
适用于制造220MW、250MW、300MW、600MW等大型电站高压锅炉用的过热器、再热器、蒸汽管道等，具有良好的抗氧化性能。	
订货标准 Standards	规格范围 Size range
GB5310-95、GB13296-2007、ASME SA213、ASTM A213	外径19-168mm 壁厚2-12mm O.D. 19-168mm *W.T. 2-12mm
采用牌号 Using grades	
ICr18Ni9(TP304H)、ICr19Ni11Nb(TP347H)	

主要牌号的化学成份表 CHEMICAL COMPOSITION

主要牌号	C	Si	Mn	Cr	Ni	P	S	Mo
ICr18Ni9(TP304H)	0.04/0.10	≤1.00	≤2.00	18.00/20.00	8.00/11.00	≤0.030	≤0.035	
ICr19Ni11Nb(TP347H)	0.04/0.10	≤1.00	≤2.00	17.00/20.00	9.00/13.00	≤0.030	≤0.030	Nb+Ta ≥8×C%~1.00%



品质保证 QUALITY ASSURANCE

原材料质量控制

Quality control of raw materials

- 严格执行合格供应商评审：目前我们大部分原材料从上海宝钢，永兴特钢，上海亚泰以及其他国内知名大中型钢厂采购管坯和圆棒。
- 原材料进行化学成分检测，尺寸公差以及内外表面缺陷检验。
- Qualified supplier audit system: currently most of our raw materials are from Bao-steel, Yongxing Special Steel, Shanghai Yatai and some other famous steel mills.
- Chemical composition, dimension tolerance control, surface defects control.

生产过程控制

Quality control to production process

- 各个工序自检，上下工序互检，品保巡检。
- 热处理控制：采用电脑自动控制的先进热处理炉，使用液化气为燃料，温度稳定热处理效果好兼环保；每批次热处理后取样进行物理性能检测，确保产品质量；
- Self-checking for each process, cross-checking for connected process, QC inspector randomly checking;
- Heat treatment control: Equipped by automatic control heat treatment furnace, use natural gas for fuel, stable temperature and better annealing result, keep environment-friendly.

成品控制

Quality control to finished products

- 100% PMI:
- 尺寸检验
- 内外表面检验
- 物理性能检验：压扁、拉伸、扩口、硬度、试验
- 无损探伤：涡流探伤、超声波探伤
- 抗腐蚀试验：晶间腐蚀试验、点腐蚀试验
- 水压试验：
- 晶粒度试验：
- 100% PMI
- Dimension checking: O.D., W.T., Length
- Visual checking: inside and outside (inside with camera checking)
- Mechanical properties: flattening, tensile strength, flaring, hardness testing
- Non-destructive testing: Ultrasonic testing, Eddy-current testing
- Corrosion-resistant testing: Intergranular corrosion testing, pit corrosion testing
- Hydrostatic testing: Grain size testing:

主要设备 MAIN EQUIPMENTS



MAIN EQUIPMENTS

