



ZHEHENG STEEL

Wenzhou Zheheng Steel Industry Co.,Ltd
stainless-steelseamlesspipe.com

Austenitic Stainless Steel Pipe ASTM A312 S30805 Heat Resistant

Our Product Introduction

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Basic Information

- Place of Origin: Wenzhou, China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: S30805
- Minimum Order Quantity: MOQ500kg
- Packaging Details: Seaworthy Standard Package
- Delivery Time: 7-15 working days after receiving payment
- Payment Terms: L/C, D/P, T/T, Western Union
- Supply Ability: 5000 Ton/Tons per Month



Product Specification

- NPS: 1/8"-24"
- Payment Term: 30%TT Advance + 70% Balance
- Wall Thickness: SCH10S, SCH40, SCH XS, SCH 60, SCH80S, SCH12020, SCH1160, SCH
- Delivery Time: 15-21 Days
- Application: Valves And Gears, Engine Components, High Strength And Boat Propeller Shafts, Plastic Moulding Dies
- Section Shape: Round
- Finished: Annealing Pickling, Bright Annealing
- Price Term: FOB CIF CFR EXW Etc.
- Highlight: **Austenitic Stainless Steel pipe,
ASTM A312 Stainless Steel pipe,
S30805 Stainless Steel Seamless Pipe**



Product Description

Overview

S30815 is a heat-resistant austenitic stainless steel designed for applications requiring high creep strength and good corrosion resistance, and in many cases has the same high temperature characteristics as highly alloyed alloy steels and nickel-based alloys, due to its chemical balance, the steel has the most suitable overall properties in the temperature range of 850 ° C - 1100 ° C, extremely high oxidation resistance. Peeling temperature up to 1150°C; High creep resistance and creep fracture strength; It has good resistance to high temperature corrosion and brush corrosion resistance in most gas media. High yield strength and tensile strength at high temperature; Good formability and weldability, and adequate machinability.

Feature

- 1.S30815 compared with 310S, 1Cr20Ni14Si2, better performance, Ni, cheap.
- 2.900°C has a high strength. In the air, it can be used to 1150°C under non-pressure conditions, and has superior high-temperature oxidation resistance.
- 3.the short-term tensile strength at various temperatures is more than 20% higher than the strength of ordinary stainless steel (such as 304, 310S).
- 4.with high temperature long-term performance (creep performance, durable performance).

Chemical composition

%	Cr	Ni	Si	C	Mn	P	S	N	Ce	Fe
Min	20	10	1.4	0.05	-	-	-	0.14	0.03	Balance
Max	22	12	2	0.1	0.8	0.04	0.03	0.2	0.08	-

Mechanical Properties

Tensile Str (MPa) min	Yield Str 0.2% Proof (MPa) min	Elongation (% in 50mm) min	Hardness	
			Rockwell B (HR B) max	Brinell (HB) max
600	310	40	95	217

Physical properties

Densit y (kg/m ³)	Elastic Modulus (GPa)	Mean Coefficient of Thermal Expansion (mm/m/°C)			Thermal Conductivity (W/m.K)		Specifi c Heat	Electrical Resistivity (nW.m)
		0- 100° C	0- 600° C	0- 1000° C	at 20° C	at 1000° C	0- 100°C (J/kg.K)	
7800	200	17	18.5	19.5	15	29	500	850

Application

- 1.Furnace components including burners, retorts, conveyor belts, fans, jigs and baskets, rollers, walking beams, radiant tubes, electric heater elements, refractory anchors, hoods, flues, grates, expansion bellows.
- 2.Petrochemical and refinery tube hangers.

Heat treatment

Solution annealing 1020-1120°C. Holding time at solution annealing temperature approx. 30 min., followed by rapid cooling in air or water.

Corrosion Resistance

Although not designed for aqueous corrosion resistance the high chromium and nitrogen contents give the grade a pitting resistance approximating that of 316. 253MA does however have a high carbon content so is highly susceptible to sensitisation from welding or service exposure.

Why choose us

- 1.Size control
- 2.Chemical composition control
- 4.ultrasonic testing of steel tube
- 3.hydraulic testing machine

Package detail



Shipping



1. Packing type: Carton and wooden case, also be packaged according to customer requirements.
2. Modes of transportation: by sea, by air or land transportation, of course, a small amount can also be by Express.



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