Cold Roll Sanitary Stainless Steel Tube Austenitic Steel For High Pressure

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: zheheng
- Certification: ISO9001 PED
- Model Number: 25mm
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: In bundles with waterproof material,or wooden crate packing
- Delivery Time: 30 DAYS
- Payment Terms: L/C, T/T, D/A, D/P
- Supply Ability: 50TONS/30DAYS

Product Specification

- Material: Austenitic Steel
- Standard: ASTM A312
- Type: Seamless
- Technique: Cold Roll
- Inspection: 100%
- Application: Heat Exchanger
- Highlight: **stainless steel boiler tubes**, **bending stainless steel tubing**

Product Description

Austenitic Steel Sanitary water heat exchanger stainless steel coil tube for High pressure

High pressure stainless steel coil heat exchanger is used to raise the temperature of the fluid to prevent hydrate formation, reduce viscosity, and break down emulsions for efficient separation of oil ,gas and water, providing heat directly from adequate steam usually supplied by a steam generator.The heat exchanging efficiency of this kind of method is higher and can eliminate potential fire risk.

ASTM Standards Referenced Documents:

A262 Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels
A370 Test Methods and Definitions for Mechanical Testing of Steel Products
A941 Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys
A999/A999M Specification for General Requirements for Alloy and Stainless Steel Pipe
A1016/A1016M Specification for General Requirements for Ferritic Alloy Steel, Austenitic Alloy Steel, and Stainless Steel Tubes
E112 Test Methods for Determining Average Grain Size
E381 Method of Macroetch Testing Steel Bars, Billets, Blooms, and Forgings

chemical composition:

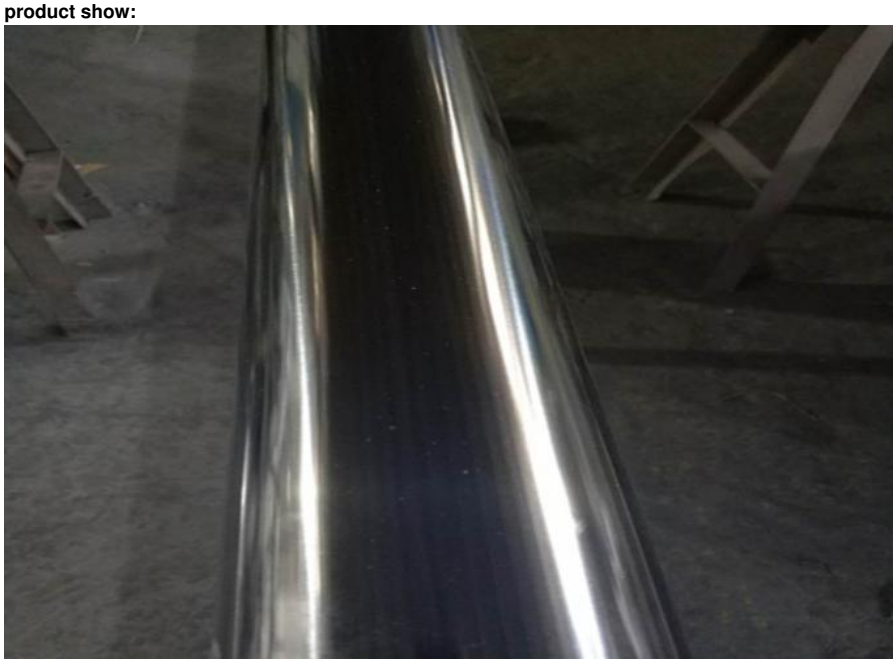
ASTM A213 / A213 M		
Elements	**304L(wt%)**	**316L (wt%)**
(C) Carbon, max	0.035	0.035
(Mn) Manganese, max	2	2
(P) Phosphorus, max	0.045	0.045
(S) Sulfur, max	0.03	0.03
(Si) Silicon, max	1	1
(Ni) Nickel	8.0 - 12.0	10.0 - 14.0
(Cr) Chromium	18.0 - 20.0	16.0 - 18.0
(Mo) Molybdenum	N/A	2.0 - 3.0
(Fe) Iron	Bal.	Bal.
(Cu) Copper	N/A	N/A
(N) Nitrogen	N/A	N/A

Chemical Composition of Material	Material Composition	201	202	304	316	430
	C	≤0.15	≤0.15	≤0.08	≤0.08	≤0.12
	Si	≤1.00	≤1.00	≤1.00	≤1.00	≤1.00
	Mn	5.5-7.5	7.5-10	≤2.00	≤2.00	≤1.00
	P	≤0.06	≤0.06	≤0.045	≤0.045	≤0.040
	S	≤0.03	≤0.03	≤0.030	≤0.030	≤0.030
	Cr	16-18	17-19	18-20	16-18	16-18
	N	3.5-5.5	4-6	8-10.5	10-14	
	Mo				2.0-3.0	
Mechanical Property	Material Item		201	202	304	316
	Tensile Strength		≥535	≥520	≥520	≥520
	Yield Strength		≥245	≥205	≥205	≥205
	Extension		≥30%	≥30%	≥35%	≥35%
	Hardness (HV)		<253	<253	<200	<200

production range:

Austenitic Steel:	TP304,TP304L,TP304H,TP304N, TP310S,TP316,TP316L,TP316Ti,TP316H, TP317,TP317L, TP321, TP321H,TP347, TP347H,904L…
Duplex Steel :	S32101,S32205,S31803,S32304,S32750, S32760 Others:TP405,TP409, TP410, TP430, TP439 ...
Russia Standard	08X17T,08X13,12X13,12X17,15X25T,04X18H10,08X20H14C2, 08X18H12Б, 10X17H13M2T,10X23H18,08X18H10,08X18H10T, 08X18H12T,08X17H15M3T, 12X18H10T,12X18H12T,12X18H9, 17X18H9, 08X22H6T,
European Standard	1.4301,1.4307,1.4948,1.4541,1.4878,1.4550,1.4401,1.4404,1.4571, 1.4438,1.4841,1.4845,1.4539,1.4162, 1.4462, 1.4362, 1.4410, 1.4501

product show:



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