



## Stainless Steel Seamless Welded Pipes With SS304 SS316 SS304L SS316L

### Our Product Introduction

#### Basic Information

- Place of Origin: CHINA
- Brand Name: DEYE
- Certification: ISO9001:2015 CE
- Model Number: DY-SP-S17
- Minimum Order Quantity: 5 TONS
- Price: USD600/ each ton
- Packaging Details: wooden case, pallet , bundles or as customers' requirement
- Delivery Time: 30 days for usual order, 7 days for stock sizes
- Payment Terms: T/T, D/P, L/C
- Supply Ability: 1000 tons for each month



#### Product Specification

- Standard: ASME B36.19M, DIN, GOST
- Material: SS316/SS316L, SS304/304L, SAF2507, SAF2205, UNS31803, UNS32750, 904L, INCONEL625
- Size: 1/2"(DN15)-24"(DN600 ) For SMLS 12" (DN200)-88"(DN2200) For Welded
- Types: Seamless Pipe, Welded Pipe, ERW Pipe, SAW Pipe, FAW Pipe
- Highlight: **Seamless Welded Pipes SS304, SS316 Seamless Welded Pipes, SS316L stainless steel welded pipes**

Thickness List for seamless stainless-steel pipes								
UNIT:MM								
Normal		Normal Wall Thickness						

Pipe Size DN (in)	Outside Dimeter D	Sch5s	Sch10S	Sch40s	Sch40	Sch80s	Sch120	Sch160
1/8	10.3	—	1.24	1.73	1.73	2.41	—	—
1/4	13.7	—	1.65	2.24	2.24	3.02	—	—
3/8	17.1	—	1.65	2.31	2.31	3.20	—	—
1/2	21.3	1.65	2.11	2.77	2.77	3.73	—	4.78
3/4	26.7	1.65	2.11	2.87	2.87	3.91	—	5.56
1	33.4	1.65	2.77	3.38	3.38	4.55	—	6.35
1 1/4	42.2	1.65	2.77	3.56	3.56	4.85	—	6.35
1 1/2	48.3	1.65	2.77	3.68	3.68	5.08	—	7.14
2	60.3	1.65	2.77	3.91	3.91	5.54	—	8.74
2 1/2	73.0	2.11	3.05	5.16	5.16	7.01	—	9.53
3	88.9	2.11	3.05	5.49	5.49	7.62	—	11.13
3 1/2	101.6	2.11	3.05	5.74	5.74	8.08	—	—
4	114.3	2.11	3.05	6.02	6.02	8.56	11.13	13.49
5	141.3	2.77	3.40	6.55	6.55	9.53	12.70	15.88
6	168.3	2.77	3.40	7.11	7.11	10.97	14.27	18.26
8	219.1	2.77	3.76	8.18	8.18	12.70	18.26	23.01
10	273.1	3.40	4.19	9.27	9.27	12.70	21.44	28.58
12	323.9	3.96	4.57	9.53	10.31	12.70	25.40	33.32
14	355.6	3.96	4.78	—	11.13	—	27.79	35.71
16	406.4	4.19	4.78	—	12.70	—	30.96	40.49
18	457.2	4.19	4.78	—	14.27	—	34.96	45.24
20	508.0	4.78	5.54	—	15.09	—	38.10	50.01
22	558.8	4.78	5.54	—	—	—	41.28	53.98
24	609.6	5.54	6.35	—	17.48	—	46.02	59.54

**Welded stainless steel with single Longitudinal Welded seam and double Weld seam**  
**Size range from 1/2" to 48" DN15-DN1200.**

#### The reference Standard for the stainless pipes

ASTM A312/A312M, ASME SA312/SA312M for Seamless Austenitic Stainless-Steel Pipes:

ASTM A269, ASME SA269 for Seamless Austenitic Stainless-Steel Tubing for General Service

ASTM A213/A213M, ASME SA213/SA213M for Seamless Austenitic Alloy-Steel Boiler, Super Heater and Heat-Exchanger Tubes

ASTM A789 / A789M. Seamless Duplex Stainless Steel Tubing for General Service.

ASTM A790 / A790M for Seamless Duplex Stainless Steel Pipes

ASTM A511 for Seamless Stainless Steel Mechanical Tubing

EN 10216, DIN 17456, 17458 for Seamless Stainless-Steel Tubes for Pressure Purposes

#### Material Grades:

Stainless steel is the abbreviation for stainless and acid resistant steel. Steel that is resistant to weak corrosive media such as air, steam, water, or has rust resistance is called stainless steel; And the steel grade that is resistant to chemical corrosion media (such as acid, alkali, salt, etc.) corrosion is called acid resistant steel.

The most common used material is SS304/304L, SS316/316L, DUPLEX SAF2507, SAF2205, Detail's specification of the material as below.

304/304L (UNS S30400/S30403)							
Chemical Composition%							
C	Cr	Mn	Ni	P	S	Si	
≤	—	≤	—	≤	≤	≤	
0.035	18.0-20.0	2.00	8.0-13.0	0.045	0.03	1.00	

Tensile Strength: ≥ 485 Mpa (70KSI)

Yield Strength: ≥170Mpa (25KSPI)

Elongation ≥ 40%

316/316L (UNS S31600/S31603)							
Chemical Composition%							
C	Cr	Mn	Mo	Ni	P	S	Si
≤	—	≤	—	—	≤	≤	≤
0.035	16.0-18.0	2.00	2.0-3.0	10.0-14.0	0.045	0.03	1.00

Tensile Strength: ≥ 485 Mpa (70KSI)

Yield Strength: ≥170Mpa (25KSPI)

Elongation ≥ 40%

#### SAF2205 (UNS31803)

##### Chemical Composition%

C≤	Si ≤	Mn≤	P ≤	S ≤	Cr	Ni	Mo	Cu	N
0.03	1.0	2.0	0.03	0.02	22-23	4.5-6.5	3.0-3.50	/	0.14-0.2

### Mechanical Performance

Test Items	Test Temp.	Performance	Standard Data
Tensile Strength	Room Temp.	Yield Strength $s \geq$	450 Mpa
		Tensile Strength $h \geq$	620 Mpa
		Elongation % $>$	25
		Reduction of Area $=>$	/
Impact Value KV(J)	Room Temp.	<b>Lateral</b>	/
Brinell hardness	Room Temp.	$\leq$	290
Rockwell hardness	Room Temp.	$\geq$	/

### SAF2507(UNS32750)

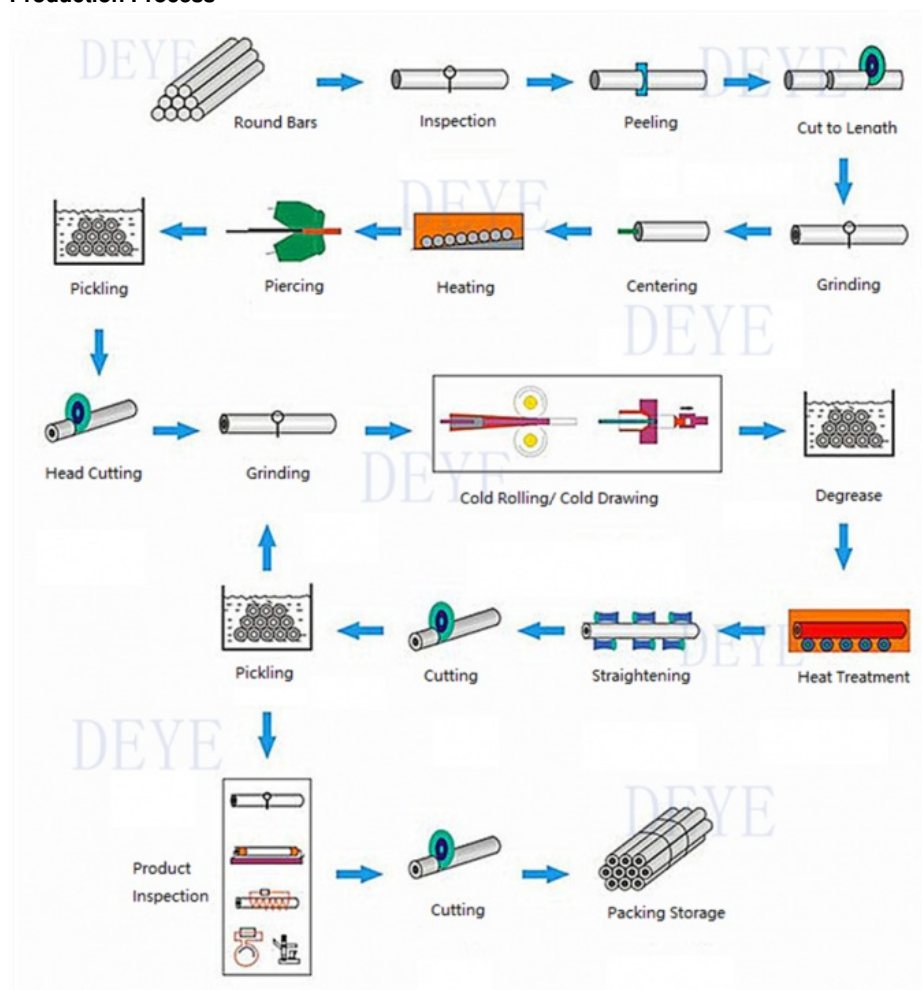
#### Chemical Composition%

C $\leq$	Si $\leq$	Mn $\leq$	P $\leq$	S $\leq$	Cr	Ni	Mo	Cu $\leq$	N
0.03	0.8	1.2	0.03	0.015	24-26	6.0-8.0	3.0-5.0	0.5	0.24-0.32

### Mechanical Performance

Test Items	Test Temp.	Performance		Standard Data
Tensile	Room Temp.	Yield Strength	Ø≤55 Rm≥	550 Mpa
			Ø >55 Rm≥	515 Mpa
		Tensile Strength	Ø≤55 R0.002 ≥	800 Mpa
			Ø >55 R0.002≥	760 Mpa
		Elongation A% (4D) >	Ø≤55 ≥	15
			Ø >55 ≥	15
Brinell hardness HB	Room Temp.	Ø≤5 ≤		310
		Ø >55 ≤		310

### Production Process



### Application/Usage

Stainless steel pipe and tubing are used in chemical plants, aviation fields, marine equipment, cryogenic transportation, medical and architectural industries.

- Chemical plants
- Aviation fields
- Marine equipment
- Cryogenic transportation

- Medical & architectural industries

#### FAQ/ Customer Question and Answers

**Q: What is difference between tubes and pipes?**

**A:** Tubes and pipes are difficult to identify occasionally and some people use the name of tube and pipe interchangeably. However, there are significant differences between tubes and pipes. Tubes are measured in outer diameter and wall thickness. The tube is produced with close tolerance range and requires precise outer diameter and wall thickness to identify its working pressure.

**Q: What is Difference Between Stainless Steel Pipes Seamless and Welded?**

**A:** 1) **Strength:** The main difference between seamless and welded pipes is in their strength. Seamless pipes are stronger because they do not have any welded seams. Welded pipes are weaker because the welds can act as weak points that could break under high pressure.

2) **Cost:** Seamless stainless-steel pipes are more expensive than welded ones because they require more time and effort. Welded pipes are less expensive because they can be made quickly and with less precision.

3) **Applications:** Seamless stainless-steel pipes are typically used in high-pressure applications, such as hydraulic systems, while welded pipes are used in low-pressure applications, such as water piping.

#### Our Service

1. Technical support
2. Raw Material Quality control.
3. Inspection during the production time.
4. Final Test includes Surface, Dimension, PT Test, RT test, ultrasonic Test
5. Test Report each shipment
4. Flexible Delivery terms. EXW FOB CIF CFR DDP DDU
5. Flexible payment Ways: LC. TT. DP
6. Customized Package includes Logo. Cases Dimension.
7. 18 months quality Guarantee time.
9. Free replacement by air if any error founded
10. 24 hours to Feedback your questions



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