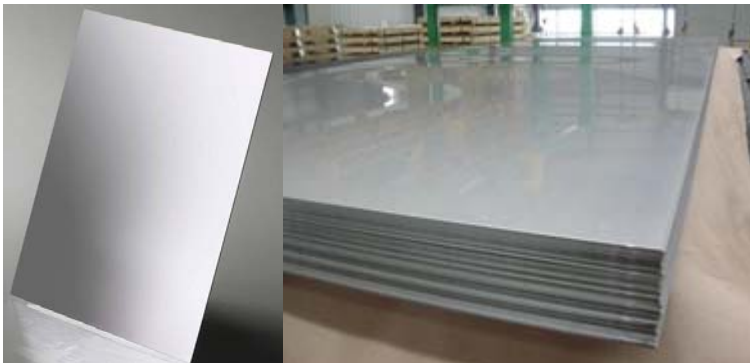




## Stainless Steel Sheet

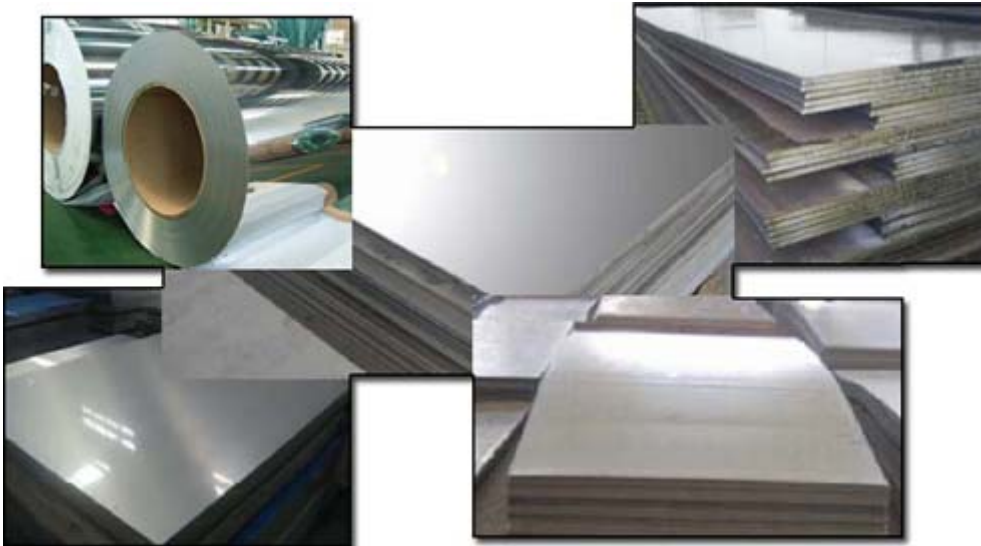
Stainless steel plate is generally the floorboard including stainless steel plate and acid-resistant steel plate. Stainless steel plate is a kind of plate to resist weak media like air, steam and water corrosion; while acid resistant steel plate is a type of plate to resist chemical etching mediator referred to acid, alkali, salt etc. corrosion. Stainless steel plate has been a long history since it appeared this century. The invention of stainless steel plate is a major achievement in the world's metallurgy history. The stainless steel plate establishes important material and technology bases for the development of modern industry and science and technology progress. Choosing good stainless steel plate manufacturers help you reduce quality and economic losses. Anson steel is your ideal choice about the stainless steel.

### Stainless Steel Plate 304



Stainless steel plate has many different varieties and performance. And it has formed a few broad categories in the developing gradually. According to structure organization, it is divided into martensite stainless steel plate (including precipitation hardening stainless steel plate), ferritic stainless steel plate, austenitic stainless steel plate and austenitic with ferritic stainless steel plate; According to main chemical composition or some characteristic elements of steel plate, it also can be divided into chromium stainless steel plate, chromium nickel stainless steel plate, low carbon stainless steel plate, high molybdenum stainless steel plate and high purity stainless steel plate; According to features and applications, it also can be divided into nitric acid resistant stainless steel plate, sulfuric acid resistant stainless steel plate, pitting corrosion resistant stainless steel plate and high strength stainless steel plate etc. According to functional characteristic, it also can be low temperature stainless steel plate, non-magnetic stainless steel plate, free cutting stainless steel plate and super plastic stainless steel plate etc. While the common classification methods are the structural features and chemical compositions. According to processing technology, it is divided into hot rolling and cold rolling including thin cold plate of thickness 0.02-4 mm and middle plate of thickness 4.5-100 mm. According to the characteristics of steel grade, it is divided into five types including austenite, ferrite-austenite, ferrite, martensite and precipitation hardening.

### Different Kinds of Stainless Steel Plate



In order to guarantee all kinds of stainless steel to meet requirements in yield strength, tensile strength, elongation, hardness and other mechanical properties, the steel plate must be annealing, solid solution, and aging etc. heat treatment with 05.10 88.57.29.38 special symbols.

**Table 1 Domestic Stainless Steel Standard Grade**

China	Japan	U.S.A	U.K.	Germany	France	Russia
GB1220-92 GB3280-92	JIS	AISIUNS	BS970BS1449	DIN17440 DIN17224	NFA35-575 NFA35-576	ГОСТ5632
0Cr13	SUS410S	S410				
1Cr13	SUS410	410	410S21	X7Cr13	Z6C13	08X13
2Cr13	SUS420J1	420J1	420S29	X20Cr13	Z20C13	20x13
1Cr17	SUS430	430				
7Cr17	SUS440A	440A				
9Cr18	SUS440C	440C		X105CrMo17	Z100CD17	95X18
0Cr18Ni9	SUS304	304	304S15	X5CrNi189	Z6CN18.09	08X18H10
00Cr19Ni10	SUS304L	304L	304S12	X2CrNi189	Z2CN18.09	03X18H11
0Cr17Ni12Mo2	SUS316	316	316S16	X5CrNiMo1812	Z6CND17.12	
00Cr17Ni14Mo2	SUS316L	316L	316S12	X2CrNiMo1812	Z2CND17.12	03X17H14M2
0Cr18Ni11Ti	SUS321	321		X10CrNiTi189	Z6CNT18.10	08X18H10T
0Cr18Ni11Nb	SUS347	347	347S17	X10CrNiNb189	Z6CNNb18.10	08X18H12F

**Table 2 Chemical Compositions of Martensite, Ferrite, Austenite and Diphasitic Stainless Steel**

Grade	Mark	Chemical Compositions(%)
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		<b>C</b>	<b>Cr</b>	<b>Ni</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Mo</b>	<b>Si</b>	<b>Cu</b>	<b>N</b>	<b>Others</b>
201	1Cr17Mn 6Ni5N	≤0.1 5	16.00- 18.00	3.50- 5.50	5.50 — 7.50	≤0.06 0	≤0.03	-	≤1.0 0	-	≤0.2 5	-
201L	03Cr17Mn 6Ni5N	≤0.0 3	16.00- 18.00	3.50- 5.50	5.50 — 7.50	≤0.06 0	≤0.03		≤1.0 0		≤0.2 5	
202	1Cr18Mn 8Ni5N	≤0.1 5	17.00- 19.00	4.00- 6.00	7.50- 10.00	≤0.06 0	≤0.03		≤1.0 0	-	≤0.2 5	-
204	03Cr16Mn 8Ni2N	≤0.0 3	15.00- 17.00	1.50- 3.50	7.00- 9.00						0.15- 0.30	
China	1Cr18Mn10N i 5Mo3N	≤0.1 0	17.00- 19.00	4.00- 6.00	8.50- 12.00			2.8- 3.5			0.20- 0.30	
Russia	2Cr13Mn 9Ni4	0.15- 0.25	12.00- 14.00	3.70- 5.00	8.00- 10.00							
China	2Cr15Mn 15Ni2N	0.15- 0.25	14.00- 16.00	1.50- 3.00	14.00 - 16.00						0.15- 0.30	
	1Cr18Mn 10Ni5Mo3N	≤0.1 5	17.00- 19.00	4.00- 6.00	8.50- 12.00	≤0.06 0	≤0.03	2.8- 3.5	≤1.0 0	-	0.20- 0.30	-
301	1Cr17Ni7	≤0.1 5	16.00- 18.00	6.00- 8.00	≤2.00	≤0.06 5	≤0.03	-	≤1.0 0	-	-	-
302	1Cr18Ni9	≤0.1 5	17.00- 19.00	8.00- 10.00	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	-	-
303	Y1Cr18Ni9	≤0.1 5	17.00- 19.00	8.00- 10.00	≤2.00	≤0.20	≤0.03	1)	≤1.0 0	-	-	-
303se	Y1Cr18Ni 9Se	≤0.1 5	17.00- 19.00	8.00- 10.00	≤2.00	≤0.20	≤0.03	-	≤1.0 0	-	-	Se≥0.15
304	0Cr18Ni9	≤0.0 7	17.00- 19.00	8.00- 10.00	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	-	-
304L	00Cr19Ni10	≤0.0 3	18.00- 20.00	8.00- 10.00	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	-	-
304N1	0Cr19Ni9N	≤0.0 8	18.00- 20.00	7.00- 10.50	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	0.10- 0.25	-
304N2	0Cr18Ni 10NbN	≤0.0 8	18.00- 20.00	7.00- 10.50	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	0.15- 0.30	Nb≤0.15
304LN	00Cr18Ni	≤0.0	17.00-	8.50-	≤2.00	≤0.03	≤0.03	-	≤1.0	-	0.12-	-



	10N	3	19.00	11.50		5			0		0.22	
305	1Cr18Ni12	≤0.1 2	17.00- 19.00	10.50 - 13.00	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	-	-
309S	0Cr23Ni13	≤0.0 8	22.00- 24.00	12.00 - 15.00	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	-	-
310S	0Cr25Ni20	≤0.0 8	24.00- 26.00	19.00 - 22.00	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	-	-
316	0Cr17Ni 12Mo2	≤0.0 8	16.00- 18.50	10.00 - 14.00	≤2.00	≤0.03 5	≤0.03	2.00 - 3.00	≤1.0 0	-	-	-
	1Cr18Ni 12Mo2Ti6)	≤0.1 2	16.00- 19.00	10.00 - 14.00	≤2.00	≤0.03 5	≤0.03	1.80 - 2.50	≤1.0 0	-	-	Ti5 (C%-0.02) ~ 0.08
	0Cr18Ni 12Mo2Ti	≤0.0 8	16.00- 19.00	10.00 - 14.00	≤2.00	≤0.03 5	≤0.03	1.80 - 2.50	≤1.0 0	-	-	Ti5*C%- 0.70
316L	00Cr17Ni 14Mo2	≤0.0 3	16.00- 18.00	12.00 - 15.00	≤2.00	≤0.03 5	≤0.03	2.00 - 3.00	≤1.0 0	-	-	-
316N	0Cr17Ni 12Mo2N	≤0.0 8	16.00- 18.00	10.00 - 14.00	≤2.00	≤0.03 5	≤0.03	2.00 - 3.00	≤1.0 0	-	-	-
316N	00Cr17Ni 13Mo2N	≤0.0 3	16.00- 18.50	10.50 - 14.50	≤2.00	≤0.03 5	≤0.03	2.00 - 3.00	≤1.0 0	-	-	-
316J1	0Cr18Ni 12Mo2Cu2	≤0.0 8	17.00- 19.00	10.50 - 14.50	≤2.00	≤0.03 5	≤0.03	1.20 - 2.75	≤1.0 0	1.00 - 2.50	-	-
316J1L	00Cr18Ni 14Mo2Cu2	≤0.0 3	17.00- 19.00	12.00 - 16.00	≤2.00	≤0.03 5	≤0.03	1.20 - 2.75	≤1.0 0	1.00 - 2.50	-	-
317	0Cr19Ni 13Mo3	≤0.1 2	18.00- 20.00	11.00 - 15.00	≤2.00	≤0.03 5	≤0.03	3.00 - 4.00	≤1.0 0	-	-	-
317L	00Cr19Ni 13Mo3	≤0.0 8	18.00- 20.00	11.00 - 15.00	≤2.00	≤0.03 5	≤0.03	3.00 - 4.00	≤1.0 0	-	-	-



	1Cr18Ni 12Mo3Ti6)	≤0.1 2	16.00- 19.00	11.00 - 14.00	≤2.00	≤0.03 5	≤0.03	2.50 - 3.50	≤1.0 0	-	-	Ti5 (C%-0.02) ~ 0.08
	0Cr18Ni 12Mo3Ti	≤0.0 8	16.00- 19.00	11.00 - 14.00	≤2.00	≤0.03 5	≤0.03	2.50 - 3.50	≤1.0 0	-	-	Ti5*C%- 0.70
317J1	0Cr18Ni 16Mo5	≤0.0 4	16.00- 19.00	15.00 - 17.00	≤2.00	≤0.03 5	≤0.03	4.00 - 6.00	≤1.0 0	-	-	-
321	1Cr18Ni9Ti6)	≤0.1 2	17.00- 19.00	8.00- 11.00	≤2.00	≤0.03 5	≤0.03 0	-	≤1.0 0	-	-	Ti5 (C%-0.02) ~ 0.08
	0Cr18Ni10Ti	≤0.0 8	17.00- 19.00	9.00- 12.00	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	-	Ti≥5*C%
347	0Cr18Ni11N b	≤0.0 8	17.00- 19.00	9.00- 13.00	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	-	-	Nb≥10*C%
XM7	0Cr18Ni9Cu 3	≤0.0 8	17.00- 19.00	8.50- 10.50	≤2.00	≤0.03 5	≤0.03	-	≤1.0 0	3.00 - 4.00	-	-
XM15J 1	0Cr18Ni13Si 4	≤0.0 8	15.00- 20.00	11.50 - 15.00	≤2.00	≤0.03 5	≤0.03	-	3.00- 5.00	-	-	2)

