

Chemical Compositions

GRADE	UNS No.	EN No.	C	Cr	Ni	Mo	Others
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Austenitic & Super Austenitic Stainless Steel

304	S30400	1.4301	0.08	18.00 - 20.00	8.00 - 12.00	-	-
304 L	S30403	1.4307	0.035	18.00 - 20.00	8.00 - 12.00	-	-
310 S	S31008	1.4845	0.08	24.00 - 26.00	19.00 - 22.00	-	-
316	S31600	1.4401	0.08	16.00 - 18.00	10.00 - 14.00	2.00 - 3.00	-
316 L	S31603	1.4404	0.035	16.00 - 18.00	10.00 - 14.00	2.00 - 3.00	-
316 H	S31609	-	0.04 - 0.10	16.00 - 18.00	10.00 - 14.00	2.00 - 3.00	-
316 Ti	S31635	1.4571	0.08	16.00 - 18.00	10.00 - 14.00	2.00 - 3.00	Ti:5x(C+N) - 0.7
317 L	S31703	1.4438	0.035	18.00 - 20.00	11.00 - 15.00	3.00 - 4.00	-
321	S32100	1.4541	0.08	17.00 - 19.00	9.00 - 12.00	-	Ti:5x(C+N) - 0.7
347	S34700	1.4550	0.08	16.00 - 18.00	10.00 - 14.00	-	-
347 H	S34709	1.4551	0.04 - 0.10	17.00 - 20.00	9.00 - 13.00	-	-
904 L	S8904	1.4539	0.02	19.00 - 23.00	23.00 - 28.00	4.00 - 5.00	N:0.10 max Cu : 1.0 - 2.0

Ferritic Stainless Steel

405	S40500	-	0.08	11.50 - 14.50	0.5	-	-
409	S40900	-	0.08	10.50 - 11.70	0.5	-	-
410	S41000	-	0.15	11.50 - 13.50	-	-	-

Duplex & Super Duplex Stainless Steel

Alloy 2205	31803	1.4462	0.03	21.00 - 23.00	4.50 - 6.50	2.50 - 3.50	N : 0.08 - 0.20
Alloy 2507	32750	1.4410	0.03	24.00 - 26.00	6.00 - 8.00	3.00 - 4.50	N: 0.24 - 0.32
Alloy 32760	32760	1.4501	0.05	24.00 - 26.00	6.00 - 8.00	3.00 - 4.00	N:0.20 - 0.30

Nickel Alloys

Alloy 20	8020	2.4460	0.07	19.00 - 21.00	32.00 - 38.00	2.00 - 3.00	Cu : 3.00 - 4.00
Alloy 28	8028	1.4563	0.03	26.00 - 28.00	30.00 - 34.00	3.00 - 4.00	Cu : 0.60 - 1.40
Monel 400	4400	2.4360	0.30	-	63.00 Min	-	Cu: 28.00 - 34.00
Inconel 600	6600	2.4816	0.15	14.00 - 17.00	72.00 Min	-	Fe: 6.00 - 10.00
Inconel 625	6625	2.4865	0.10	20.00 - 23.00	58.00 Min	8.00 10.00	Fe: 5.00 Max Nb+Ta: 3.15 - 4.15
Inconel 800	8800	-	0.10	19.00 - 23.00	30.00 - 35.00	-	Fe: 39.50 Max
Inconel 825	8825	2.4858	0.05	19.50 - 23.50	38.00 - 46.00	2.50 - 3.50	Fe: 22.00 Min
Hastalloy C-276	N 10276	-	0.01	14.50 - 16.50	-	15.00 - 17.00	Fe: 5.00 Max Nb+Ta: 3.15 - 4.15

ASTM	American Society for Testing of Materials	ASME	American Society for Mechanical Engineers	SAE	Society of Automotive Engineers
DIN	Deutsches Institute for Normung	JIS	Japan Industrial Standards	UNS	Unified Numbering System
GOST	Gosudarstvenil Standart	TEMA	Tubular Exchanger Manufacturers Association	PED	Pressure Equipment Directive

