



Grade	UNS	C% Max	Cr %	Ni %	Mo %	Other elements	Tensile Strength Min N/mm ²	Yield point Min N/mm ²	Elongation 2" Min %	Max Hardness HB /HRB	Kg/dm ²
STAINLESS STEELS											
304	S30400	0.08	18.00 - 20.00	8.00 - 11.00			515	205	40	201/92	8.0
304H	S30409	0.04 - 0.10	18.00 - 20.00	8.00 - 11.00			515	205	40	201/92	8.0
304L	S30403	0.03	18.00 - 20.00	8.00 - 12.00			485	170	40	201/92	8.0
309H	S30909	0.04 - 0.10	22.00 - 24.00	12.00 - 15.00			515	205	40	217/95	8.0
309S	S30908	0.08	22.00 - 24.00	12.00 - 15.00	0.75 max		515	205	40	217/95	8.0
310H	S31009	0.04 - 0.10	24.00 - 26.00	19.00 - 22.00			515	205	40	217/95	8.0
310S	S31008	0.08	24.00 - 26.00	19.00 - 22.00	0.75 max		515	205	40	217/95	8.0
316	S31600	0.08	16.00 - 18.00	11.00 - 14.00	2.00-3.00		515	205	40	217/95	8.0
316H	S31609	0.04 - 0.10	16.00 - 18.00	11.00 - 14.00			515	205	40	217/95	8.0
316L	S31603	0.035	16.00 - 18.00	10.00 - 15.00	2.00 - 3.00		485	170	40	217/95	8.0
316Ti	S31635	0.08	16.00 - 18.00	10.00 - 14.00	2.00 - 3.00	N 0.1 max Ti 5x(Co+N) - 0.07	515	205	40	217/95	8.0
317L	S31703	0.035	18.00 - 20.00	11.00 - 15.00	3.00 - 4.00		515	205	40	217/95	8.0
321	S32100	0.08	17.00 - 20.00	9.00 - 12.00		N 0.1 max Ti 5x(Co+N) - 0.07	515	205	40	217/95	8.0
321H	S32109	0.04 - 0.10	17.00 - 20.00	9.00 - 13.00			515	205	40	217/95	8.0
347	S34700	0.08	17.00 - 20.00	9.00 - 13.00		Cb 10xC - 1.00	515	205	40	201/92	8.0
347H	S34709	0.04 - 0.10	17.00 - 20.00	9.00 - 13.00			515	205	40	201/92	8.0
253 MA	S30815	0.05 - 0.1	20.00 - 22.00	10.00 - 12.00		N 0.14 - 0.20 Ce 0.03 - 0.08	600	310	40	217/95	8.0
904L	N08904	0.02	19.00 - 23.00	23.00 - 28.00	4.00 - 5.00		490	215	35	180/80	8.0
254 SMO	S31254	0.02	19.50 - 20.50	17.50 - 18.50	6.00 - 6.50	N 0.18 - 0.22	650	300	35	223/96	8.0
654 SMO	S32654	0.02	24.00 - 25.00	21.00 - 23.00	7.00 - 8.00	N 0.45 - 0.55	750	430	35		8.0
DUPLEX 32304	S32304	0.03	21.50 - 24.50	3.00 - 5.50	0.05 - 0.60	N 0.05 - 0.20	600	400	25	290/-	7.8
DUPLEX 31803	S31803	0.03	21.00 - 23.00	4.50 - 6.50	2.50 - 3.50	N 0.08 - 0.20	620	450	25	290/-	7.8
SUPER DUPLEX 32750	S32750	0.03	24.00 - 26.00	6.00 - 8.00	3.00 - 5.00	N 0.24 - 0.32	795	550	15	310/-	7.9
SUPER DUPLEX 32760	S32760	0.05	24.00 - 26.00	6.00 - 8.00	3.00 - 4.00	N 0.20 - 0.30	750	550	25	270/-	7.8
ALLOY 20	N08020	0.06	19.00 - 21.00	32.50 - 35.00	2.00 - 3.00		620	324	35	200/-	8.1
ALLOY 28	N08028	0.03	26.00 - 28.00	29.50 - 32.50	3.00 - 4.00		500	214	40	-/80	8.0
ALLOY 31	N08031	0.015	26.00 - 28.00	30.00 - 32.00	6.00 - 7.00	N 0.15 - 0.25	650	276	40	220/-	8.1
NICKEL ALLOYS											
NICKEL 200	N02200	0.15		98.40 - 99.60			380	103	40	140/80	8.9
NICKEL 201	N02201	0.01		98.40 - 99.60			345	80	40	135/75	8.9
ALLOY 400	N04400	0.30		63.00 min			485	195	35	140/80	8.8
ALLOY 600	N06600	0.15	14.00 - 17.00	72.00 min			550	240	30	180/90	8.4
ALLOY 601	N06601	0.10	21.00 - 25.00	58.00 - 63.00			550	205	30	180/90	8.1
ALLOY 625	N06625	0.1	20.00 - 23.00	58.00 min	8.00 - 10.00	Co 1.0 max Ti 0.40 max Cb+Ta 3.15 - 4.15	758	379	30	-/-	8.5
ALLOY 800H	N08810	0.5 - 0.1	19.00 - 23.00	30.00 - 35.00		Ti 0.15 - 0.60	450	170	30	-/-	8.0
ALLOY 800HT	N08811	0.50	19.00 - 23.00	30.00 - 35.00		Ti 0.15 - 0.60 Al+Ti 0.85 - 1.2	450	170	30	-/-	8.0
ALLOY 825	N08825	0.05	19.50 - 23.50	38.00 - 46.00	2.50 - 3.50	Ti 0.6 - 1.2	586	241	30	165/87	8.1
ALLOY C22	N06022	0.015	20.00 - 22.50	Balance	12.50 - 14.50	W 2.5 - 3.5 Co 2.5 Max V 0.35 Max	690	310	45	-/100	8.7
ALLOY C276	N10276	0.01	14.50 - 16.50	Balance	15.00 - 17.00	V 0.35 W 3.0 - 4.5	690	283	40	226/100	8.9
Cu Ni 90/10	C70600	0.05		+Cb 9.0 - 11.0		Zn 0.050 Max Pb 0.02 Max	275	105	30	-/-	8.9
TITANIUM											
Ti Gr1	R50250	0.08	0.015	0.18	0.20		240	170-310	24	-/-	4.5
Ti Gr2	R50400	0.10	0.015	0.25	0.03	Ni 0.1	345	275	20	-/-	4.5
Ti Gr3	R50550	0.08	0.015	0.35	0.30		450	380-550	18	-/-	4.5
Ti Gr7	R52400	0.08	0.015	0.25	0.30	Pd 0.12 - 0.25	345	275-450	20	-/-	4.5
Ti Gr12	R53400	0.08	0.015	0.25	0.30	Ni 0.6 - 0.9 Mo 0.2 - 0.4	483	345	18	-/-	4.5