

	Werkstoff-Nr. N° de matière	ASTM UNS	C max.	Si max.	Mn max.	P max.	S max.	N max.	Cr	Mo	Cu	Ni	Ti	sonstige	mit-lerer PRE ₁₆	
Ferrit	1.4000	403.000	0.080	1.00	1.00	0.040	0.015	---	12.0 - 14.0	---	---	---	---	---	13	
	1.4003	S40977	0.030	1.00	1.50	4.040	0.015	---	10.5 - 12.5	---	---	0.30 - 1.00	---	---	12	
	1.4006	410	0.08 - 0.15	1.00	1.50	0.400	0.015	---	11.5 - 13.5	---	---	≤ 0.750	---	---	13	
	1.4509	---	0.030	1.00	1.00	0.040	0.015	---	17.5 - 18.5	---	---	---	bis 1.6 (Ti+Nb)	---	18	
	1.4016	430	0.080	1.00	1.00	0.040	0.015	---	16.0 - 18.0	---	---	---	---	---	17	
	1.4105	---	0.080	1.50	1.50	0.040	0.15 - 0.35	---	16.0 - 18.0	0.20 - 0.6	---	---	---	---	18	
	1.4521	444	0.025	1.00	1.00	0.040	0.015	0.03	17.0 - 20.0	1.80 - 2.50	---	---	≤ 1.00	---	26	
Martensit	1.4021	420	0.16 - 0.25	1.00	1.50	0.040	0.015	---	12.0 - 14.0	---	---	---	---	---	13	
	1.4028	420	0.26 - 0.35	1.00	1.50	0.040	0.015	---	12.0 - 14.0	---	---	---	---	---	14	
	1.4034	420	0.43 - 0.50	1.00	1.00	0.040	0.015	---	12.5 - 14.5	---	---	---	---	---	14	
	1.4057	431	0.12 - 0.22	1.00	1.50	0.040	0.015	---	15.0 - 17.0	---	---	1.5 - 2.5	---	---	16	
	1.4104	430F	0.10 - 0.17	1.00	1.50	0.040	0.15 - 0.35	---	15.5 - 17.5	0.20 - 0.60	---	---	---	---	17	
	1.4112	440B	0.85 - 0.95	1.00	1.00	0.040	0.015	---	17.0 - 19.0	0.90 - 1.30	---	---	---	V: 0.07 - 0.12	22	
1.4122	---	0.33 - 0.45	1.00	1.50	0.040	0.015	---	15.5 - 17.5	0.80 - 1.30	---	≤ 1.00	---	---	20		
Austenit	Cr-Ni / VZA	1.4301	304	0.070	1.00	2.00	0.045	0.015	0.11	17.0 - 19.5	---	---	8.0 - 10.5	---	---	19
		1.4303	305L	0.060	1.00	2.00	0.045	0.015	0.11	17.0 - 19.0	---	---	11.3 - 13.0	---	---	20
		1.4305	303S	0.100	1.00	2.00	0.045	0.15 - 0.35	0.11	17.0 - 19.0	---	≤ 1.0	8.0 - 11.0	---	---	20
		1.4306	304L	0.030	1.00	2.00	0.045	0.015	0.11	18.0 - 20.0	---	---	10.0 - 12.0	---	---	21
		1.4307	---	0.030	1.00	2.00	0.045	0.015	0.11	17.5 - 19.5	---	---	8.0 - 10.0	---	---	20
		1.4311	304LN	0.030	1.00	2.00	0.045	0.015	0.12 - 0.22	17.0 - 19.5	---	---	8.5 - 11.5	---	---	21
		1.4541	321	0.080	1.00	2.00	0.045	0.015	---	17.0 - 19.0	---	---	9.0 - 12.0	5xC (≤ 0.70)	---	18
		1.4401	316	0.070	1.00	2.00	0.045	0.015	0.11	16.5 - 18.5	2.0 - 2.5	---	10.0 - 13.0	---	---	27
		1.4404	316L	0.030	1.00	2.00	0.045	0.015	0.11	16.5 - 18.5	2.0 - 2.5	---	10.0 - 13.0	---	---	27
		1.4406	316LN	0.030	1.00	2.00	0.045	0.015	0.12 - 0.22	16.5 - 18.5	2.0 - 2.5	---	10.0 - 12.0	---	---	28
	Cr-Ni-Mo / V4A	1.4429	S 31'653	0.030	1.00	2.00	0.045	0.015	0.12 - 0.22	16.5 - 18.5	2.5 - 3.0	---	11.0 - 14.0	---	---	29
		1.4429mod	316LN mod.	0.020	1)	1)	1)	1)	0.14	17.50	2.90	1)	11.00	1)	---	29
		1.4432	---	0.030	1.00	2.00	0.045	0.015	0.11	16.5 - 18.5	2.5 - 3.0	---	10.5 - 13.0	---	---	28
		1.4435	316L	0.030	1.00	2.00	0.045	0.015	0.11	17.0 - 19.0	2.5 - 3.0	---	12.5 - 15.0	---	---	29
		1.4435 BN2	316L	0.030	1.00	2.00	0.045	0.015	0.11	17.0 - 19.0	2.5 - 3.0	---	12.5 - 15.0	---	---	29
		1.4436	316	0.050	1.00	2.00	0.045	0.015	0.11	16.5 - 18.5	2.5 - 3.0	---	10.5 - 13.0	---	---	28
		1.4438	317L	0.030	1.00	2.00	0.450	0.015	0.11	17.5 - 19.5	3.0 - 4.0	---	13.0 - 16.0	---	---	32
		1.4439	317LMN	0.030	1.00	2.00	0.045	0.015	0.12 - 0.22	16.5 - 18.5	4.0 - 5.0	---	12.5 - 14.5	---	---	35
		1.4441	---	0.030	1.00	2.00	0.025	0.010	0.01	17.0 - 18.5	2.7 - 3.2	---	13.5 - 15.5	---	---	29
		1.4466	S 31'050	0.020	0.070	2.00	0.025	0.010	0.10 - 0.16	24.0 - 26.0	2.0 - 2.5	---	21.0 - 23.0	---	---	35
1.4565	S 34'565	0.030	1.00	3.5 - 6.5	0.030	0.015	0.30 - 0.50	23.0 - 26.0	3.0 - 5.0	---	16.0 - 19.0	---	Nb: ≤ 0.15	44		
1.4570	303K	0.080	1.00	2.00	0.045	0.15 - 0.35	---	17.0 - 19.0	---	1.40 - 1.80	8.0 - 10.0	---	---	---		
1.4571	316Ti	0.080	1.00	2.00	0.045	0.015	---	16.5 - 18.5	2.0 - 2.5	---	10.5 - 13.5	Ti ≤ 0.70	---	25		
Super-austenit	1.4529	N 08'926	0.020	0.50	1.00	0.030	0.010	0.15 - 0.25	19.0 - 21.0	6.0 - 7.0	0.5 - 1.5	24.0 - 26.0	---	---	45	
	1.4539	N 08'904	0.020	0.70	2.00	0.030	0.010	0.15	19.0 - 21.0	4.0 - 5.0	1.2 - 2.0	24.0 - 26.0	---	---	37	
	1.4547	S 31'254	0.020	0.70	1.00	0.030	0.010	0.18 - 0.25	19.5 - 20.5	6.0 - 7.0	0.5 - 1.0	17.5 - 18.5	---	---	45	
	1.4652	S 32'654	0.020	0.50	2.0 - 4.0	0.030	0.005	0.45 - 0.55	23.0 - 35.0	7.0 - 8.0	0.3 - 0.6	21.0 - 23.0	---	---	57	
hitze- und kriechbeständig	1.4818	S 30'415	0.200	1.50 - 2.50	2.00	0.045	0.030	0.11	19.0 - 21.0	---	---	11.0 - 13.0	---	---	22 2)	
	1.4828	309	0.200	1.50 - 2.50	2.00	0.045	0.030	0.11	19.0 - 21.0	---	---	11.0 - 13.0	---	---	22 2)	
	1.4833	309S	0.150	1.00	2.00	0.045	0.015	0.11	22.0 - 24.0	---	---	12.0 - 14.0	---	---	25 2)	
	1.4835	S 30'815	0.120	1.50 - 2.50	2.00	0.045	0.030	0.12 - 0.20	20.0 - 24.0	---	---	10.0 - 12.0	---	Ce: 0.03 - 0.08	24 2)	
	1.4841	S 31'500	0.200	1.50 - 2.50	2.00	0.045	0.030	0.11	24.0 - 26.0	---	---	19.0 - 22.0	---	---	27 2)	
	1.4845	310S	0.100	1.50	2.00	0.045	0.015	0.11	24.0 - 26.0	---	---	19.0 - 22.0	---	---	27 2)	
	1.4878	321H	0.120	1.00	2.00	0.045	0.030	---	17.0 - 19.0	---	---	9.0 - 12.0	≥ 4xC (≤ 0.80)	---	18 2)	
	1.4948	304H	0.04 - 0.08	1.00	2.00	0.035	0.015	0.11	17.0 - 19.0	---	---	8.0 - 11.0	---	---	20 2)	
Duplex	1.4162	S 32'101	0.030	1)	5.00	1)	1)	0.22	21.50	0.30	1)	1.50	1)	1)	26	
	1.4362	S 32'304	0.030	1.00	2.00	0.035	0.015	0.05 - 0.20	22.0 - 24.0	0.10 - 0.60	0.1 - 0.6	3.5 - 5.5	---	---	27	
	1.4410	S 32'750	0.030	1.00	2.00	0.035	0.015	0.20 - 0.35	24.0 - 26.0	3.0 - 4.5	---	6.0 - 8.0	---	---	42	
	1.4460	329	0.050	1.00	2.00	0.035	0.015	0.05 - 0.20	25.0 - 28.0	1.3 - 2.0	---	4.5 - 6.5	---	---	34	
	1.4462	S 31'803 3)	0.030	1.00	2.00	0.035	0.015	0.10 - 0.20	21.0 - 23.0	2.5 - 3.5	---	4.5 - 6.5	---	---	34	
1.4501	S 32'760	0.030	1.00	1.00	0.035	0.015	0.20 - 0.30	24.0 - 26.0	3.0 - 4.0	0.50 - 1.00	6.0 - 8.0	---	W: 0.5 - 1.0	41		
Sonder-stähle	1.3805	---	0.30 - 0.40	1.00	17.0 - 19.0	0.060	0.030	≤ 0.100	---	---	---	≤ 1.00	---	---	---	
	1.3964	---	0.030	1.00	4.0 - 6.0	0.025	0.010	0.20 - 0.35	20.0 - 21.5	3.0 - 3.5	3.0 - 3.5	15.0 - 17.0	---	Nb: ≤ 0.25	36	
	1.4696	---	0.020	3)	3)	3)	3)	0.05	19.00	3)	3)	13.50	3)	B 3)	3)	
	1.4698	---	0.020	3)	3)	3)	3)	0.05	19.00	3)	3)	11.20	3)	B 3)	3)	

	Werkstoff-Nr. N° de matière	Kurzname	C	Si	Mn	P	S	Pb	Bi	Te	Fe	Cu	Zn	Mg	Cr	Ni	Ti	Sn	Al	Mo	Andere (einzeln) Autres (isolés)	
Automatenstahl	1.0737	11SMnPb37	≤ 0,14	≤ 0,05	1,00 - 1,50	≤ 0,11	0,34 - 0,40	0,20 - 0,35														
	1.0737 BiTe	11SMnPb37BiTe	≤ 0,15	Spuren/Traces	1,30	0,10	0,27 - 0,40	0,25	0,05	0,015												
	1.0718	11SMnPb30	≤ 0,14	≤ 0,05	0,90 - 1,30	≤ 0,11	0,27 - 0,33	0,20 - 0,35														
	1.0715	11SMn30	≤ 0,14	≤ 0,05	0,90 - 1,30	≤ 0,11	0,27 - 0,33															
	1.0758	60S20Pb+Bi	0,62 - 0,70	0,10 - 0,30	1,20 - 1,40	≤ 0,06	0,15 - 0,20	0,15 - 0,30	0,05													
		ETG88	0,40 - 0,48	0,10 - 0,30	1,35 - 1,65	max. 0,04	0,24 - 0,33															
		ETG100	0,40 - 0,48	0,10 - 0,30	1,35 - 1,65	0,04	0,24 - 0,33															
Automatenstahl rostfrei	1.4104	X14CrMoS17	0,10 - 0,17	1,00	1,50	0,40	0,15 - 0,35	---	---						15,5 - 17,5					0,20 - 0,60		
	1.4305	X8CrNiS18-9	max. 0,10	max. 1,0	max. 2,0	max. 0,045	0,15 - 0,35	---	---	---	---	---	---	---	17,0 - 19,0	8,0 - 10,0						
	1.4035	X45CrS13	0,40 - 0,48	max. 1,0	max. 2,0	max. 0,040	0,15 - 0,25								12,0 - 14,0							
	1.4570	X6CrNiCuS18-9-2	max. 0,08	max. 1,0	max. 2,0	max. 0,045	0,15 - 0,35					1,40 - 1,80			17,0 - 19,0	8,0 - 10,0						
	20AP		1,00	0,15	0,4	0,02	0,05	0,2														
	4C27A		0,22	0,6	1,6	---	0,2								13	0,8					1,2%	
Aluminium Automatenlegierung	3.1655/2011	AlCuBiPb		≤ 0,40							≤ 0,70	5,0 - 6,0	≤ 0,30									
	3.0615/6012	AlMgSiPb		0,60 - 1,40	0,40 - 1,0						≤ 0,50	≤ 0,10	0,30	0,60	1,20		0,30				0,20	
	3.1645/2030	AlCuMgPb	---	≤ 0,80	0,50 - 1,0	---	---	0,80 - 1,50	≥ 0,20	---	≤ 0,80	3,30 - 4,60	0,80	0,40 - 1,80	0,10	---	0,20					
	6026	AlMgSiMnBi	---	0,60 - 1,40	0,20 - 1,0	---	---	max. 0,40	max. 0,40 - 2,0	---	max. 0,70	0,50	0,30	0,60 - 1,20	0,30	---	0,20	0,05				
	3.2315/6082	AlMgSi1	---	0,70 - 1,30	0,40 - 1,0	---	---	---	---	---	≤ 0,50	≤ 0,10	≤ 0,20	0,60 - 1,20	≤ 0,25	---	≤ 0,10	---			≤ 0,05	
	3.4365/7075	AlZnMgCu1,5	---	≤ 0,40	≤ 0,30	---	---	---	---	---	≤ 0,50	1,20 - 2,0	5,10 - 6,10	2,10 - 2,90	0,18 - 0,28		≤ 0,20	---			0,05 (Ti+Zr ≤ 0,25)	
Messing Automatenlegierung	2.0401	CuZn39Pb3	---	---	---	---	---	2,50 - 3,50	---	---	< 0,30	57,0 - 59,0	Rest/reste	---	---	< 0,30	---	< 0,30	< 0,10		< 0,20	
	2.0371	CuZn38Pb1,5	---	---	---	---	---	1,0 - 2,0	---	---	< 0,30	59,5 - 61,5	Rest/reste	---	---	< 0,30	---	< 0,20	< 0,05		< 0,20	
	2.0331	CuZn35Pb2	---	---	---	---	---	1,50 - 2,50	---	---	< 0,20	62,0 - 64,0	Rest/reste	---	---	< 0,30	---	< 0,10	< 0,05		< 0,10	
	2.0402	CuZn40Pb2	---	---	---	---	---	1,50 - 2,50	---	---	< 0,30	58,0 - 59,0	Rest/reste	---	---	< 0,30	---	< 0,30	< 0,10		< 0,20	
	NM2	CuNi7Zn39Mn2Pb3			1,5 - 3			2,3 - 3,3			< 0,2	47 - 50					6 - 8	< 0,2				< 0,1
Kupfer	2.0060	Cu-ETP	---	---	---	---	---	---	---	---	---	min. 99,90	---	---	---	---	---	---	---	---	0,0005 - 0,05	
		CuTeP	---	---	---	0,003 - 0,012	---	---	---	0,40 - 0,70	---	Rest/reste	---	---	---	---	---	---	---	---	---	