

# 7.1 Normenvergleich

Werkstoff	Europa		Outokumpu	USA (ASTM/AISI)		veraltete nationale Stahlbezeichnungen				
	EN	Kurzname		Type	UNS	Deutsch. DIN	U.K. BS	Frankreich NF	Schweden SS	Schweisszusatz
Ferrit	1.4000	1.4000 X6Cr13	4000	410S	S41008	1.4000	403 S 17	Z 8 C 12	2301	308L / P5
	1.4003	1.4003 X2CrNi12	4003	---	S40977	1.4003	---	---	---	---
	1.4016	1.4016 X6Cr17	4016	430	S43000	1.4016	430 S 17	Z 8 C 17	2320	308L / MVR / 309L
	1.4509	1.4509 X2CrTiNb18	4509	---	S43940	---	---	Z 3 CTNb 18	---	308L / 430LNb
	1.4510	1.4510 X3CrTi17	4510	439	S43035	1.4510	---	Z 4 CT 17	---	308L / 309L
	1.4512	1.4512 X2CrTi12	4512	409	S40900	1.4512	409 S 19	Z 3 CT 12	---	308L / 430LNb
	1.4520	1.4520 X2CrTi17	4520	439	S43035	---	---	Z 3 CT 20	---	308L / 430LNb
1.4521	1.4521 X2CrMoTi18-2	4521	444	S44400	1.4521	---	Z 3 CDT 18-02	2326	316L / SKR / P5	
Martensit	1.4005	1.4005 X12CrS13	4005	416	S41600	---	416 S 21	Z 11 CF 13	2380	---
	1.4006	1.4006 X12Cr13	4006	410	S41000	1.4006	410 S 21	Z 10 C 13	2302	307 / 308L / 309L
	1.4021	1.4021 X20Cr13	4021	420	S42000	---	420 S 29	Z 20 C 13	2303	739 S
	1.4028	1.4028 X30Cr13	4028	420	S42000	---	420 S 45	Z 33 C 13	2304	739 S
	1.4034	1.4034 X46Cr13	---	---	---	1.4034	---	Z 44 C 14	---	---
	1.4057	1.4057 X17CrNi16-2	---	431	S43100	---	431 S 29	Z 15 CN 16-02	2321	---
	1.4104	1.4104 X14CrMoS17	---	430F	S43020	1.4104	---	Z 13 CF 17	2383	---
	1.4112	1.4112 X90CrMoV18	---	---	---	---	---	X 89 CrMoV 18-1	---	---
	1.4122	1.4122 X39CrMo17-1	4122	---	---	1.4122	---	Z 38 CD 16-01	---	---
	1.4313	1.4313 X3CrNiMo13-4	4313	---	S41500	1.4313	---	Z 6 CN 13-04	2384	248 SV
	1.4418	1.4418 X4CrNiMo16-5-1	248 SV	---	---	---	---	Z 6 CND 16-05-01	2387	248 SV
	1.4542	1.4542 X5CrNiCuNb16-4	17-4 PH	630	S17400	1.4542	---	Z 7 CNU 15-05	---	---
	Duplex	1.4162	1.4162 X2CrMnNiN21-5-1	LDX 2101®	---	S32101	---	---	---	---
1.4362		1.4362 X2CrNiN23-4	DX 2304	---	S32304	---	---	Z 3 CN 23-04 Az	2327	2304 / 2205
1.4410		1.4410 X2CrNiMoN25-7-4	SDX 2507	---	S32750	---	---	Z 3 CND 25-06 Az	2328	2507 / P100
1.4460		1.4460 X3CrNiMoN27-5-2	---	---	S31200	1.4460	---	Z 5 CND 27-05 Az	2324	453S / 2205
1.4462		1.4462 X2CrNiMoN22-5-3	DX 2205	---	S32205*	1.4462	318 S 13	Z 3 CND 22-05 Az	2377	2205
1.4501		1.4501 X2CrNiMoCuWN25-7-4	SDX 100	---	S32760	---	---	Z 3 CNDU 25-06 Az	---	2507 / P100
1.4662		1.4662 X2CrNiMoCuN24-4-3-2	LDX 2404®	---	S82441	---	---	---	---	22 9 3 NL
Austenit	1.4305	1.4305 X8CrNiS18-9	4305	303	S30300	1.4305	303 S 31	Z 8 CNF 18-09	2346	308L / MVR
	1.4310	1.4310 X10CrNi18-8	4310	301	S30100	1.4310	301 S 21	Z 11 CN 17-08	2331	308L / MVR
	1.4318	1.4318 X2CrNiN18-7	4318	301LN	S30153	---	---	Z 3 CN 18-07 Az	---	308L / MVR
	1.4372	1.4372 X12CrMnNiN17-7-5	4372	201	S20100	---	---	Z 12 CMN 17-07 Az	---	307 / 309L
	1.4301	1.4301 X5CrNi18-10	4301	304	S30400	1.4301	304 S 31	Z 7 CN 18-09	2333	308L / MVR
	1.4303	1.4303 X4CrNi18-12	4303	305	S30500	1.4303	305 S 19	Z 5 CN 18-11 FF	---	308L / MVR
	1.4306	1.4306 X2CrNi19-11	4306	304L	S30403	1.4306	304 S 11	Z 3 CN 19-11	2352	308L / MVR
	1.4307	1.4307 X2CrNi18-9	4307	304L	S30403	1.4307	304 S 11	Z 3 CN 18-10	2352	308L / MVR
	1.4311	1.4311 X2CrNiN18-10	4311	304LN	S30453	1.4311	304 S 61	Z 3 CN 18-10 Az	2371	308L / MVR
	1.4315	1.4315 X5CrNiN19-9	4315	304N	S30451	1.4315	304 S 61	Z 6 CN 19-09 Az	2371	308L / MVR
	1.4541	1.4541 X6CrNiTi18-10	4541	321	S32100	1.4541	321 S 31	Z 6 CNT 18-10	2337	347 / MVNb
	1.4550	1.4550 X6CrNiNb18-10	4550	347	S34700	1.4550	347 S 31	Z 6 CNnb 18-10	2338	347 / MVNb
	1.4567	1.4567 X3CrNiCu18-9-4	4567	304Cu	S30430	1.4567	394 S 17	Z 3 CNU 18-10	---	308L / MVR
	1.4401	1.4401 X5CrNiMo17-12-2	4401	316	S31600	1.4401	316 S 31	Z 7 CND 17-11-02	2347	316L / SKR
	1.4404	1.4404 X2CrNiMo17-12-2	4404	316L	S31603	1.4404	316 S 11	Z 3 CND 17-11-02	2348	316L / SKR
	1.4406	1.4406 X2CrNiMo17-11-2	4406	316LN	S31653	1.4406	316 S 61	Z 3 CND 17-11 Az	---	316L / SKR
	1.4408	1) GX5CrNiMo19-11-2	---	CF-8M	J92900	---	316 C 16	---	---	316L / SKR
1.4429	1.4429 X2CrNiMo17-13-3	4429 / SKR-4	316LN	S31653	1.4429	316 S 63	Z 3 CND 17-12 Az	2375	316L / SKR	
1.4432	1.4432 X2CrNiMo17-12-3	4432	316L	S31603	1.4432	316 S 13	Z 3 CND 17-13-03	2353	316L / SKR	
1.4435	1.4435 X2CrNiMo18-14-3	4435 / 724L	316L	S31603	1.4435	316 S 13	Z 3 CND 18-14-03	2353	316L / SKR	
1.4435 BN2	1.4435 X2CrNiMo18-14-3	4435	316L	S31603	1.4435	316 S 13	Z 3 CND 18-14-03	2353	316L / SKR	
1.4436	1.4436 X3CrNiMo17-13-3	4436	316	S31600	1.4436	316 S 33	Z 6 CND 18-12-03	2343	316L / SKR	
1.4571	1.4571 X6CrNiMoTi17-12-2	4571	316Ti	S31635	1.4571	320 S 31	Z 6 CNDT 17-12	2350	318	
hochlegiert	1.4434	1.4434 X2CrNiMo18-12-4	---	317LN	S31753	---	---	Z 3 CND 19-14 Az	---	317L / SNR
	1.4438	1.4438 X2CrNiMo18-15-4	4438	317L	S31703	1.4438	317 S 12	Z 3 CND 19-15-04	2367	317L / SNR
	1.4439	1.4439 X2CrNiMo17-13-5	4439	317LMN	S31726	1.4439	---	Z 3 CND 18-14-05 Az	---	904L
	1.4466	1.4466 X1CrNiMoN25-22-2	725LN	310MoLN	S31050	1.4466	---	Z 2 CND 25-22 Az	---	254 SFE6
	1.4539	1.4539 X1NiCrMoCu25-20-5	904L	904L	N08904	1.4539	904 S 13	Z 2 NCDU 25-20	2562	904L
	1.4529	1.4529 X1NiCrMoCuN25-20-7	Ultra 6XN	---	N08926**	1.4529	---	---	---	P12
	1.4547	1.4547 X1CrNiMoCuN20-18-7	254 SMO	---	S31254	---	---	---	2378	P12, P16
1.4562	1) X1NiCrMoCu32-28-7	---	---	N08031	1.4562	---	---	---	1.4562	
1.4565	1.4565 X2CrNiMnMoN25-18-6-5	4565	---	S34565	1.4565	---	---	---	P16	
1.4652	1.4652 X1CrNiMoCuN24-22-8	654 SMO	---	S32654	---	---	---	---	P16	
hitzebeständig	1.4713	1.4713 X10CrAlSi7	4713	---	---	1.4713	---	---	---	307 / 309
	1.4724	1.4724 X10CrAlSi13	4724	---	---	1.4724	---	Z 13 C 13	---	309
	1.4742	1.4742 X10CrAlSi18	4742	---	---	1.4742	---	Z 12 CAS 18	---	309
	1.4762	1.4762 X10CrAlSi25	4762	446	S44600	1.4762	---	Z 12 CAS 25	2322	309 / 310
	1.4818	1.4818 X6CrNiSiCe19-10	153 MA	---	S30415	1.4891	---	---	2372	253MA
	1.4828	1.4828 X15CrNiSi20-12	4828	309	S30900	1.4828	309 S 24	Z 17 CNS 20-12	---	253MA
	1.4833	1.4833 X12CrNi23-13	4833	309S	S30908	1.4833	309 S 16	Z 15 CN 23-13	---	309
	1.4835	1.4835 X9CrNiSiCe21-11-2	253 MA	---	S30815	1.4893	---	---	2368	253MA
	1.4841	1.4841 X15CrNiSi25-21	4841	314	S31400	1.4841	314 S 25	Z 15 CNS 25-20	---	1.4842
	1.4845	1.4845 X8CrNi25-21	4845	310S	S31008	1.4845	310 S 24	Z 8 CN 25-20	2361	310
1.4854	1.4854 X6NiCrSiCe35-25	353 MA	---	S35315	---	---	---	---	353MA	
1.4878	1.4878 X8CrNiTi18-10	4878	321H	S32109	1.4878	321 S 51	Z 6 CNT 18-10	2337	347 / MVNb	
warmfest	1.4941	1.4941 X6CrNiTi18-10	4941	---	---	1.4941	---	---	---	---
	1.4948	1.4948 X6CrNi18-10	4948	304H	S30409	1.4948	304 S 51	Z 6 CN 18-09	2333	308 / 308H
	1.4950	1.4950 X6CrNi23-13	4950	309H	S30909	---	---	---	---	309
	1.4951	1.4951 X6CrNi25-20	4951	310H	S31009	---	---	---	---	310
Sonderstähle	1.3805	1), 2) X35Mn18	3805	---	---	1.3805	---	---	---	307 / 1.3954
	1.3964	1), 3) X2CrNiMnMoNb21-16-5-3	3964	---	---	1.3964	---	---	---	P54 / 1.3954

Die mit den Europäischen Stählen verglichenen Stähle nach nationalen Normen können teilweise in den chemischen Zusammensetzungen abweichen. Die Austauschbarkeit der miteinander verglichenen Stähle muss je nach Anwendungsfall beurteilt werden.

\* auch als S31803 erhältlich      1) nicht in EN 10088 enthalten      2) nichtmagnetisierbarer Stahl ohne Cr, ohne Ni, nicht korrosionsbeständig  
 \*\* auch als N08367 erhältlich      3) nichtmagnetisierbarer Stahl, meerwasserbeständig bis 40 °C