

Normenvergleich

Comparaison des normes

		Europa Europe		Outokumpu	USA (ASTM/AISI)		Veraltete nationale Stahlbezeichnungen			
							Deutschl. Allemagne	U.K	Frankreich France	Schweden Suède
		EN	Kurzname désignation symbolique		Type	UNS	DIN	BS	NF	SS
Ferrit Ferrite	1.4000	X6Cr13	4000	410S	S41008	1.4000	403 S 17	Z 8 C 12	2301	
	1.4003	X2CrNi12	4003	---	S40977	1.4003	---	---	---	
	1.4016	X6Cr17	4016	430	S43000	1.4016	430 S 17	Z 8 C 17	2320	
	1.4509	X2CrTiNb18	4509	---	S43940	---	---	Z 3 CTNb 18	---	
	1.4510	X3CrTi17	---	430Ti	S43036	1.4510	---	Z 4 CT 17	---	
	1.4512	X2CrTi12	---	409	S40900	1.4512	409 S 19	Z 3 CT 12	---	
	1.4520	X2CrTi17	---	439	S43035	---	---	Z 3 CT 20	---	
	1.4521	X2CrMoTi18-2	4521	444	S44400	1.4521	---	Z 3 CDT 18-02	2326	
Martensit Martensite	1.4005	X12CrS13	4005	416	S41600	---	416 S 21	Z 11 CF 13	2380	
	1.4006	X12Cr13	4006	410	S41000	1.4006	410 S 21	Z 10 C 13	2302	
	1.4021	X20Cr13	4021	420	S42000	---	420 S 29	Z 20 C 13	2303	
	1.4028	X30Cr13	4028	420	S42000	---	420 S 45	Z 33 C 13	2304	
	1.4034	X46Cr13	4034	---	---	1.4034	---	Z 44 C 14	---	
	1.4057	X17CrNi16-2	---	431	S43100	---	431 S 29	Z 15 CN 16-02	2321	
	1.4104	X14CrMoS17	---	430F	S43020	1.4104	---	Z 13 CF 17	2383	
	1.4112	X90CrMoV18	---	440B	S44003	---	---	X 89 CrMoV 18-1	---	
	1.4122	X39CrMo17-1	---	---	---	1.4122	---	Z 38 CD 16-01	---	
	1.4313	X3CrNiMo13-4	4313	---	S41500	1.4313	---	Z 6 CN 13-04	2384	
	1.4418	X4CrNiMo16-5-1	248 SV	---	---	---	---	Z 6 CND 16-05-01	2387	
	1.4542	X5CrNiCuNb16-4	---	630	S17400	1.4542	---	Z 7 CNU 15-05	---	
Duplex	1.4162	X2CrMnNi22-5-2	LDX 2101	---	S32101	---	---	---	---	
	1.4362	X2CrNiN23-4	2304	---	S32304	---	---	Z 3 CN 23-04 Az	2327	
	1.4410	X2CrNiMoN25-7-4	SAF 2507	---	S32750	---	---	Z 3 CND 25-06 Az	2328	
	1.4460	X3CrNiMoN27-5-2	---	329	S32900	1.4460	---	Z 5 CND 27-05 Az	2324	
	1.4462	X2CrNiMoN22-5-3	2205	---	S32205*	1.4462	318 S 13	Z 3 CND 22-05 Az	2377	
	1.4501	X2CrNiMoCuWN25-7-4	4501	---	S32760	---	---	Z 3 CNDU 25-06 Az	---	
Austenit / austénite	Standard Cr-Ni/V2A	1.4310	X10CrNi18-8	4310	301	S30100	4.4310	301 S 21	Z 11 CN 17-08	2331
		1.4318	X2CrNi18-7	4318	301LN	S30153	---	---	Z 3 CN 18-07 Az	---
		1.4372	X12CrMnNiN17-7-5	4372	201	S20100	---	---	Z 12 CMN 17-07 Az	---
		1.4301	X5CrNi18-10	4301	304	S30400	1.4301	304 S 31	Z 7 CN 18-09	2333
		1.4303	X4CrNi18-12	4303	305	S30500	1.4303	305 S 19	Z 5 CN 18-11 FF	---
		1.4305	X8CrNiS18-9	4305	303	S30300	1.4305	303 S 31	Z 8 CNF 18-09	2346
		1.4306	X2CrNi19-11	4306	304L	S30403	1.4306	304 S 11	Z 3 CN 19-11	2352
		1.4307	X2CrNi18-9	4307	304L	S30403	1.4307	304 S 11	Z 3 CN 18-10	2352
		1.4311	X2CrNiN18-10	4311	304LN	S30453	1.4311	304 S 61	Z 3 CN 18-10 Az	2371
		1.4315	X5CrNiN19-9	4315	304N	S30451	1.4315	304 S 61	Z 6 CN 19-09 Az	2371
		1.4541	X6CrNiTi18-10	4541	321	S32100	1.4541	321 S 31	Z 6 CNT 18-10	2337
		1.4550	X6CrNiNb18-10	4550	347	S34700	1.4550	347 S 31	Z 6 CNNb 18-10	2338
	Standard Cr-Ni-Mo/V4A	1.4567	X3CrNiCu18-9-4	4567	304Cu	S30430	1.4567	394 S 17	Z 3 CNU 18-10	---
		1.4401	X5CrNiMo17-12-2	4401	316	S31600	1.4401	316 S 31	Z 7 CND 17-11-02	2347
		1.4404	X2CrNiMo17-12-2	4404	316L	S31603	1.4404	316 S 11	Z 3 CND 17-11-02	2348
		1.4406	X2CrNiMoN17-11-2	4406	316LN	S31653	1.4406	316 S 61	Z 3 CND 17-11 Az	---
		1.4408	GX5CrNiMo19-11-2	---	CF-8M	J92900	---	316 C 16	---	---
		1.4429	X2CrNiMoN17-13-3	4429 / SKR-4	316LN	S31653	1.4429	316 S 63	Z 3 CND 17-12 Az	2375
		1.4432	X2CrNiMo17-12-3	4432	316L	S31603	1.4432	316 S 13	Z 3 CND 17-13-03	2353
		1.4435	X2CrNiMo18-14-3	4435 / 724L	316L	S31603	1.4435	316 S 13	Z 3 CND 18-14-03	2353
		1.4435 BN2	X2CrNiMo18-14-3	4435	316L	S31603	1.4435	316 S 13	Z 3 CND 18-14-03	2353
		1.4436	X3CrNiMo17-13-3	4436	316	S31600	1.4436	316 S 33	Z 6 CND 18-12-03	2343
		1.4571	X6CrNiMoTi17-12-2	4571	316Ti	S31635	1.4571	320 S 31	Z 6 CNDT 17-12	2350
		1.4434	X2CrNiMoN18-12-4	---	317LN	S31753	---	---	Z 3 CND 19-14 Az	---
	hochlegiert hautem. alliées	1.4438	X2CrNiMo18-15-4	4438	317L	S31703	1.4438	318 S 12	Z 3 CND 19-15-04	2367
		1.4439	X2CrNiMoN17-13-5	4439	317LMN	S31726	1.4439	---	Z 3 CND 18-14-05 AZ	---
		1.4466	X1CrNiMoN25-22-2	725LN	310MoLN	S31050	1.4466	---	Z 2 CND 25-22 Az	---
		1.4539	X1NiCrMoCu25-20-5	904L	904L	N08904	1.4539	904 S 13	Z 2 NCDU 25-20	2562

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		EN	Kurzname désignation symbolique		Type	UNS	DIN	BS	NF	SS
Superaustenit Super-austénite	1.4529	X1NiCrMoCuN25-20-7	4529	---	N08926	1.4529	---	---	---	
	1.4547	X1CrNiMoCuN20-18-7	254 SMO	---	S31254	---	---	---	2378	
	1.4562	X1NiCrMoCu32-28-7	---	---	N08031	1.4562	---	---	---	
	1.4565	X2CrNiMnMoN25-18-6-5	4565	---	S34565	1.4565	---	---	---	
	1.4652	X1CrNiMoCuN24-22-8	654 SMO	---	S32654	---	---	---	---	
hitzebeständig / aciers réfractaires	Ferrit / ferrite	1.4713	X10CrAlSi7	4713	---	---	1.4713	---	---	---
		1.4724	X10CrAlSi13	4724	---	---	1.4724	---	Z 13 C 13	---
		1.4742	X10CrAlSi18	4742	---	---	1.4742	---	Z12 CAS 18	---
		1.4762	X10CrAlSi25	4762	446	S44600	1.4762	---	Z 12 CAS 25	2322
	Austenit / austénite	1.4818	X6CrNiSiN25-10	153 MA	---	S30415	1.4891	---	---	2372
		1.4828	X15CrNiSi20-12	4828	309	S30900	1.4828	309 S 24	Z 17 CNS 20-12	---
		1.4833	X12CrNi23-13	4833	309S	S30908	1.4833	309 S 16	Z 15 CN 23-13	---
		1.4835	X9CrNiSiN25-11-2	253 MA	---	S30815	1.4893	---	---	2368
		1.4841	X15CrNiSi25-21	4841	314	S31400	1.4841	314 S 25	Z 15 CNS 25-20	---
		1.4845	X8CrNi25-21	4845	310S	S31008	1.4845	310 S 24	Z 8 CN 25-20	2361
		1.4854	X6NiCrSiN25-25	353 MA	---	S35315	---	---	---	---
		1.4878	X8CrNiTi18-10	4878	321H	S32109	1.4878	321 S 51	Z 6 CNT 18-10	2337
		1.4941	X6CrNiTiB18-10	4941	---	---	1.4941	---	---	---
		1.4948	X6CrNi18-10	4948	304H	S30409	1.4948	304 S 51	Z 6 CN 18-09	2333
		1.4950	X6CrNi23-13	4950	309H	S30909	---	---	---	---
		1.4951	X6CrNi25-20	4951	310H	S31009	---	---	---	---
warmfest rés. à la chaleur										

Die chemische Zusammensetzung der Stähle im Normenvergleich kann bei einigen Elementen abweichen.

La composition chimique des aciers dans la comparaison des normes peut différer pour certains éléments.



Stahlwerk Gerlafingen