Technical Data Chart

Metals comparison table (Approximate)

The standards that correspond with DIN Material Numbers can only be compared approximately.
The use of these equivalents has to be evaluated on a case-by-case basis.

Werkstoff No.	DIN	EN	AISI 1)	BS 5)	UNS 2)	AFNOR 4)	SS 3)
1.4005	X 12 CrS 13	X 12 CrS 13	416	416 S 21	S 41600	Z 11 CF 13	2380
1.4006	X 10 Cr 13	X 12 Cr 13	410	410 S 21	S 41000	Z 12 C 13	2302
1.4016	X 6 Cr 17	X 6 Cr 17	430	430 S 15	S 43000	Z 10 C 17	2320
1.4021	X 20 Cr 13	X 20 Cr 13	420	420 S 37	S 42000	Z 20 C 13	2303
1.4034	X 46 Cr 13	X 46 Cr 13		[420 S 45]		Z 40 C 14	[2304]
1.4057	X 20 CrNi 17 2	X 17 CrNi 16 2	431	431 S 29	S 43100	Z 15 CN 16.02	2321
1.4104	X 12 CrMoS 17	X 14 CrMoS 17	430 F	[441 S 29]	S 43020	Z 13 CF 17	2383
1.4112	X 90 CrMoV 18	X 90 CrMoV 18	440 B		S 44003	Z 2 CND 18 05	2327
1.4122	X 35 CrMo 17	X 39 CrMo 17 1					
1.4301	X 5 CrNi 18 10	X 5 CrNi 18 10	304	304 S 15	S 30400	Z 6 CN 18.09	2333
1.4305	X 10 CrNiS 18 9	X 8 CrNiS 18 9	303	303 S 31	S 30300	Z 8 CNF 18.09	2346
1.4306	X 2 CrNi 19 11	X 2 CrNi 19 11	304 L	304 S 11	S 30403	Z 2 CN 18.10	2352
1.4307	X 2 CrNi 18 9	X 2 CrNi 18 9	304 L	304 S 11		Z 3 CN 18.10	2352
1.4310	X 12 CrNi 17 7	X 10 CrNi 18 8	301	301 S 21	S 30100	Z 12 CN 18.08	2331
1.4311	X 2 CrNiN 18 10	X 2 CrNiN 18 10	304 LN	301 S 21	S 30453	Z 2 CN 18.10 Az	2371
1.4362	X 2 CrNiN 23 4	X 2 CrNiN 23 4			S 31500	Z 2 CND 18.05	2327
1.4401	X 5 CrNiMo 17 12 2	X 5 CrNiMo 17 12 2	316	316 S 31	S 31600	Z 7 CND 17.12.02	2347
1.4404	X 2 CrNiMo 17 13 2	X 2 CrNiMo 17 12 2	316 L	316 S 11	S 31603	Z 3 CND 18.12.02	2348
1.4435	X 2 CrNiMo 18 14 3	X 2 CrNiMo 18 14 3	316 L	316 S 11	S 31603	Z 3 CND 18.14.03	2353
1.4436	X 5 CrNiMo 17 13 3	X3 CrNiMo 17 13 3	316	316 S 31	S 31600	Z 7 CND 18.12.03	2343
1.4438	X 2 CrNiMo 18 16 4	X 2 CrNiMo 18 15 4	317 L	317 S 12	S 31703	Z 3 CND 19.15.04	2367
1.4439	X 2 CrNiMoN 17 13 5	X 2 CrNiMoN 17 13 5	317 LNM		S 31726	Z 2CNDU 17.16	
1.4449	X 5 CrNiMo 17 13		317	317 S 16	S 31700		
1.4460	X 4 CrNiMoN 27 5 2	X 3 CrNiMoN 27 5 2	329		S 32900	Z 5 CND 27.05 Az	2324
1.4462	X 2 Cr Ni MoN 22 5 3	X 2 Cr Ni MoN 22 5 3			S 31803	Z 2 CND 22.05 Az	2377
1.4465	X 1 CrNiMoN 25 25 2				S 31050	Z 2 CND 25.22 Az	
1.4539	X 1 NiCrMoCuN 25 20 5	X 1 NiCrMoCuN 25 20 5			N 08904	Z 1 NCDU 25.20	2562
1.4541	X 6 CrNiTi 18 10	X 6 CrNiTi 18 10	321	321 S 31	S 32100	Z 6 CNT 18.10	2337
1.4550	X 6 CrNiNb 18 10	X 6 CrNiNb 18 10	347	347 S 31	S 34700	Z 6 CNNb 18.10	2338
1.4571	X 6 CrNiMoTi 17 12 2	X 6 CrNiMoTi 17 12 2	316 Ti	320 S 31	S 31635	Z 6 CNDT 17.12	2350
1.4713	X 10 CrAl 7					Z 8 CA 7	
1.4724	X 10 CrAl 13					[Z 10 C 13]	
1.4742	X 10 CrAl 18					Z 10 CAS 18	
1.4749	X 18 CrN 28		446 - 1		S 44600		2322
1.4762	X 10 CrAl 24		[446]		[S44600]	Z 10 CAS 24	[2322]
1.4821	X 20 CrNiSi 25 4					Z 20 CNS 25.04	
1.4828	X 15 CrNiSi 20 12		309	309 S 24	[S 30900]	Z 15 CNS 20.12	
1.4841	X 15 CrNi 25 20		314	314 S 25	S 31400	Z 12 CNS 25.20	
1.4845	X 12 CrNi 25 21		310 S	310 S 24	S 31008	Z 12 CN 25 20	2361
1.4864	X 12 NiCrSi 36 16		330	[3076 NA 17]	N 08330	Z 12 CNS 35.16	
1.4876	X 10 NiCrAlTi 32 20		B 163	3076 NA 15 H		Z 8 NC 32.21	
1.4878	X 12 CrNiTi 18 9		321	321 S 51	S 32100	Z 6 CNT 18.12	2337
2.4068	LC Ni 99		B 160				
2.4360	Ni Cu 30 Fe		B 164	3076 NA 13			
2.4375	Ni Cu 30 Al			3076 NA 18			
2.4610	Ni Mo 16 Cr 16 Ti			3076 NA 45			
2.4816	Ni Cr 15 Fe		B 166	3076 NA 14			
2.4856	Ni Cr 21 Mo			3076 NA 43			

1) AISI = American Iron and Steel Institute, ASTM = American Society for Testing and Materials
2) UNS = Unified Numbering Systems
3) SS = Swedish Standard
4) AFNOR = Association Francaise de Normalisation (French standard)
5) BS = British Standard

Kaynak: Maryland