



International Comparison of Grades

All statements without guarantee. The materials, which are the German faced, can be compared in some cases only approximate. The interchangeability must be assessed on an individual basis.

Material No.	DIN	AFNOR	BS	GOST	USA
1.2002	125Cr1	C120E3UCr4			
1.2008	140 Cr 3	130 C 3			
1.2067	102Cr6	100Cr6	BL 3	X (LUX15)	L 3 (AISI)
1.2080	X210Cr12	X200Cr12	BD 3	X12	D 3 (AISI)
1.2083	X40Cr14	X40Cr144		40X13	
1.2201	G-X 165 Cr V 12				
1.2208	31 Cr V 3			3Xφ	
1.2210	115CrV3			Xφ	L 2 (AISI)
1.2235	80CrV2			8Xφ	
1.2241	51CrMnV4			5Xφ	
1.2249	45SiCrV6	45SiCrV6			
1.2303	100CrMo5				L 7 (AISI)
1.2316	X36CrMo17			40X16M	
1.2323	48CrMoV6-7	45 CDV 6		5XMφ	
1.2330	35CrMo4		BP 20		P 20 (AISI)
1.2341	6CrMo15-5				P 4 (AISI)
1.2343	X37CrMoV5-1	X38CrMoV5	BH 11	4Ch5MF5	H 11 (AISI)
1.2344	X40CrMoV5-1	X40CrMoV5	BH 13	4Ch5MF15	H 13 (AISI)
1.2357	50CrMoV13-14	50 CDV 13			
1.2363	X100CrMoV5	X100CrMoV5	BA 2	X5ГМ	A 2 (AISI)
1.2365	32CrMoV12-28	32 CDV 12-28	BH 10	3Ch3M3F	H 10 (AISI)
1.2367	X38CrMoV5-3	X38CrMoV5-3		4X5M3φ	
1.2369	81MoCrV42-16				613 (AISI)
1.2379	X153CrMoV12	X160CrMoV12	BD 2	X12Mφ	D 2 (AISI)
1.2419	105WCr6	105 WC 13		XВГ	
1.2436	X210CrW12	X210CrW12-1		X12B	
1.2510	100MnCrW4	90 MWCV 5	BO 1	XГВφ	O 1 (AISI)
1.2542	45WCrV7	45 WCV 20	BS 1	5XB2Cφ	S 1 (AISI)
1.2550	60WCrV7			6XB2Cφ	
1.2567	30WCrV17-2	X32WCrV5		3X2B4φ	
1.2581	X30WCrV9-3	X30WCrV9	BH 21	3X2B8φ	H 21 (AISI)
1.2606	X37CrMoW5-1	X35CrWMoV5	BH 12	H 12 (AISI)	
1.2662	X30WCrCoV9-3			4Ch3M2WFGS	
1.2706	X 3 NiCoMo 18 8 5			03N18K8M5T-WD	
1.2709	X3NiCoMoTi18-9-5			03N18K9M5T-WD	



Material No.	DIN	AFNOR	BS	GOST	USA
1.2713	55NiCrMoV6	55 NCDV 7	BH 224/5	5XH2Mφ-Y	L 6 (AISI)
1.2714	55NiCrMoV7			5XH2Mφ	L 6 (AISI)
1.2735	15NiCr14				P 6 (AISI)
1.2742	55CrNiMoV4-2-4	55 CNDV 4			
1.2764	X19NiCrMo4			20XH4M	
1.2766	35NiCrMo16		BP 30	35XH4M	
1.2767	45NiCrMo16			45X2H4M	
1.2769	G45CrNiMo4-2				
1.2779	X6NiCrTi26-15				660 (AISI)
1.2782	X16CrNiSi25-20	X15CrNiSi25-20			
1.2786	X13NiCrSi36-16	X15NiCrSi37-18			
1.2787	X23CrNi17	X21CrNi17			
1.2833	100V1	100V2	BW 2		W 210 (AISI)
1.2842	90MnCrV8	90 MV 8	BO 2	9Г2φ	O 2 (AISI)
1.2880	G-X 165 Cr Co Mo 12				
1.3202	HS12-1-4-5		BT 15	P12Mφ4K5	T 15 (AISI)
1.3207	HS10-4-3-10	10-4-3-10	BT 42	P10M4φ3K10	
1.3243	HS6-5-2-5	6-5-2-5	BM 35	R6M5K5	
1.3245	HS6-5-2-5S				
1.3246	HS7-4-2-5	7-4-2-5			M 41 (AISI)
1.3247	HS2-9-1-8	2-9-1-8	BM 42	P2M10K8φ	M 42 (AISI)
1.3249	HS2-9-2-8		BM 34		M 33 (AISI)
1.3255	HS18-1-2-5	18-1-1-5	BT 4	P18Mφ2K5	T 4 (AISI)
1.3257	HS18-1-2-15				
1.3265	HS18-1-2-10		BT 5		T 5 (AISI)
1.3302	HS12-1-4			P12Mφ4	
1.3318	HS12-1-2			P12Mφ2	
1.3333	HS3-3-2			11R3AM3F2	
1.3339	HS6-5-2				
1.3340	HS6-5-2CS				
1.3341	HS6-5-2S				
1.3342	HS6-5-2C	6-5-2 HC		P6M5φ3	M 3 Class 1
1.3343	HS6-5-2	6-5-2	BM 2	R6M5	611 (AISI)
1.3344	HS6-5-3	6-5-3		P6M5φ3	M 3 Class 1
1.3345	HS6-5-3C				
1.3346	HS2-9-1	2-8-1	BM 1	P2M9φ	H 41 (AISI)
1.3348	HS2-9-2	2-9-2		P2M9φ2	M 7 (AISI)
1.3355	HS18-0-1	18-0-1	BT 1	R18	T 1 (AISI)



Material No.	DIN	AFNOR	BS	GOST	USA
1.3401	X120Mn12	Z 120 M 12	BW 10	110G13L	
1.3402	X110Mn14			Np-G13A	
1.3501	100Cr2	100Cr2		WX4	E 50100 (SAE)
1.3503	105 Cr 4				E 51100 (AISI)
1.3505	100Cr6	100 C 6	2 S.135	WX15	E 52100 (SAE)
1.3520	100CrMn6	100 CM 6		WX15CF	
1.4000	X6Cr13	X6Cr13	403 S 17	08X13	403 (AISI)
1.4001	G-X 7 Cr 13				410 S (AISI)
1.4002	X6CrAl13	X6CrAl13	405 S 17		405 (AISI)
1.4003	X 2 Cr 11	X2CrNi12	X2CrNi12		
1.4005	X12CrS13	X12CrS13	416 S 21	12X13-Y	416 (AISI)
1.4006	X12Cr13	X12Cr13	1630 grade A	12X13	410 (AISI)
1.4007	X35Cr14			Np-40Ch13	
1.4008	GX7CrNiMo12-1	GX7CrNiMo12-1	GX7CrNiMo12-1		
1.4010	X2Cr17	X2Cr17			
1.4011	GX12Cr12	GX12Cr12	GX12Cr12		
1.4016	X6Cr17	X6Cr17	430 S 15	08X17	430 (AISI)
1.4017	X6CrNi17-1	X6CrNi17-1	X6CrNi17-1		
1.4021	X20Cr13	X20Cr13	420 S 37	20X13	420 (AISI)
1.4024	X15Cr13	Z 12 C 13 M	420 S 29	20X13	420 (SAE)
1.4027	GX20Cr14	Z 20 C 13 M	1630 grade B	28FM	
1.4028	X30Cr13	X30Cr13	420 S 45	30X13	
1.4029	X29CrS13	X29CrS13	X29CrS13		
1.4031	X39Cr13	X39Cr13	X39Cr13	40X13	
1.4034	X46Cr13	X46Cr13	X46Cr13	46X13	
1.4035	X45CrS13	X45CrS13			
1.4037	X65Cr13			65Ch13	
1.4057	X17CrNi16-2	X17CrNi16-2	431 S 29	17X16H2	431 (AISI)
1.4059	GX22CrNi17	Z 20 CN 17.2 M	ANC 2		
1.4086	GX120Cr29		1648 grade B 1		
1.4102	X6CrNiMo12	X6CrNiMo12			
1.4104	X14CrMoS17	X14CrMoS17	X14CrMoS17		430 F (AISI)
1.4105	X6CrMoS17	X6CrMoS17	X6CrMoS17		
1.4106	X2CrMoSiS18-2-1	X2CrMoSiS18-2-1			
1.4107	GX8CrNi12		GX8CrNi12		
1.4109	X70CrMo15	X70CrMo15	X70CrMo15		
1.4110	X55CrMo14	Z 50 CD 15 Cl			
1.4112	X90CrMoV18	X 89 CrMoV 18-1	X90CrMoV18	90X18Mφ	440 B (AISI)



Material No.	DIN	AFNOR	BS	GOST	USA
1.4114	X6CrMoS19-2	X6CrMoS19-2			
1.4116	X50CrMoV15	X50CrMoV15	X50CrMoV15		
1.4118	X40CrMo15	X40CrMo15		20XFM	
1.4120	GX20CrMo13				
1.4121	X22CrMoNiS13-1	X22CrMoNiS13-1			
1.4122	GX35CrMo17	X38CrMo16-1	X39CrMo17-1	39X17M	
1.4125	X105CrMo17	X105CrMo17	X105CrMo17	110Ch18M-SchD	440 C (AISI)
1.4136	GX70CrMo29-2	Z 60 CD 29.2 M			
1.4300	X 12 CrNi 18 8		302 S 25		
1.4301	X5CrNi18-10	X5CrNi18-10	302 S 17	08Ch18N10	304 (AISI)
1.4302	X5CrNi19-9		308 S 96	Sw-04Ch19N9	
1.4303	X4CrNi18-12	X4CrNi18-12	305 S 17	06Ch18N11	305 (L) (AISI)
1.4305	X8CrNiS18-9	X8CrNiS18-9	303 S 22	10X18H9-Y	303 (AISI)
1.4306	X2CrNi19-11	X2CrNi19-11	1631 grade C	03Ch18N11	304 L (AISI)
1.4307	X2CrNi18-9	X2CrNi18-9	X2CrNi18-9	03X18H9	
1.4308	GX5CrNi19-10	GX5CrNi19-10	1631 grade A	07Ch18N9L	304 H (SAE)
1.4309	GX2CrNi19-11	GX2CrNi19-11	1631 grade C		
1.4310	X 12 CrNi 17 7	X10CrNi18-8	301 S 21		301 (AISI)
1.4311	X2CrNiN18-10	X2CrNiN18-10	304 S 61		304 LN (AISI)
1.4312	GX10CrNi18-8	Z 10 CN 18.9 M	1631 grade D	10Ch18N9L	
1.4313	X3CrNiMo13-4	X3CrNiMo13-4	425 C 11	03X13H4M	S 41500 (AISI)
1.4316	X1CrNi19-9	Z 1 CN 20-10	308 S 92	Sw-01Ch19N9	
1.4317	GX25CrNi13-4	GX4CrNi13-4	425 C 11		
1.4318	X2CrNiN18-7	X2CrNiN18-7	X2CrNiN18-7		
1.4319	X3CrNiN17-8	X3CrNiN17-8	301 S 26		
1.4324			302 S 26		302 (SAE)
1.4332	X2CrNi24-12	Z 2 CNS 25-13	309 S 92		
1.4333	X 5 NiCr 32 21				330 (AISI)
1.4335	X1CrNi25-21	X1CrNi25-21	X1CrNi25-21		
1.4337	X10CrNi30-9	Z 10 CN 30-09	312 S 94		
1.4347	GX6CrNiN26-7	GX6CrNiN26-7	GX6CrNiN26-7		
1.4361	X1CrNiSi18-15-4	X1CrNiSi18-15-4	X1CrNiSi18-15-4		
1.4362	X2CrNiN23-4	X2CrNiN23-4	X2CrNiN23-4		
1.4370	X15CrNiMn18-8	Z 8 CNM 19-09-07	307 S 98		
1.4371	X2CrMnNiN17-7-5	X2CrMnNiN17-7-5	202 S 16		202 (AISI)
1.4372	X12CrMnNiN17-7-5	X12CrMnNiN17-7-5	X12CrMnNiN17-7-5		
1.4373	X12CrMnNiN18-9-5	X12CrMnNiN18-9-5	284 S 16		
1.4375	X2CrMnNiN20-9-7	X2CrMnNiN20-9-7			S 21904 (AISI)



Material No.	DIN	AFNOR	BS	GOST	USA
1.4401	X5CrNiMo17-12-2	X5CrNiMo17-12-2	316 S 17	08X17H13M2	316 (AISI)
1.4403	X5CrNiMo19-11		316 S 96		
1.4404	X2CrNiMo17-12-2	X2CrNiMo17-12-2	1632 grade F	03X17H13M2	
1.4405	GX4CrNiMo16-5-1	GX4CrNiMo16-5-1	GX4CrNiMo16-5-1		
1.4406	X2CrNiMoN17-11-2	X2CrNiMoN17-11-2	316 S 61		316 LN (AISI)
1.4408	GX5CrNiMo19-11-2	GX5CrNiMo19-11-2	1632 grade B	07Ch18N10G2S2M2L	
1.4409	GX2CrNiMo19-11-2	GX2CrNiMo19-11-2	GX2CrNiMo19-11-2		
1.4410	X2CrNiMoN25-7-4	X2CrNiMoN25-7-4	X2CrNiMoN25-7-4		S 32750 (AISI)
1.4411	GX4CrNiMo16-5-2	GX4CrNiMo16-5-2	GX4CrNiMo16-5-2		
1.4412	GX5CrNiMo19-11-3	GX5CrNiMo19-11-3	GX5CrNiMo19-11-3		
1.4413	X 3 CrNiMo 13 4	X3CrNiMo13-4			S 41500 (AISI)
1.4416	GX2NiCrMoN25-20-5	GX2NiCrMoN25-20-5	GX2NiCrMoN25-20-5		
1.4417	GX2CrNiMoN25-7-3	GX2CrNiMoN25-7-3	GX2CrNiMoN25-7-3		S 31500 (AISI)
1.4418	X4CrNiMo16-5-1	X4CrNiMo16-5-1	X4CrNiMo16-5-1		
1.4420	X 5 CrNiMo 18 11		315 S 16		
1.4429	X2CrNiMoN17-13-3	X2CrNiMoN17-13-3	316 S 63		316 LN (AISI)
1.4430	X2CrNiMo19-12	Z 2 CND 19-12-03	316 S 92		
1.4431	X12CrNiMo19-10	Z 8 CND 18.10.3 M			
1.4432	X2CrNiMo17-12-3	X2CrNiMo17-12-3	316 S 12	06Ch17N13M3-WD	
1.4434	X2CrNiMoN18-12-4	X2CrNiMoN18-12-4	X2CrNiMoN18-12-4		
1.4435	X2CrNiMo18-14-3	X2CrNiMo18-14-3	1632 grade F	03Ch17N14M3	316 L (AISI)
1.4436	X3CrNiMo17-13-3	X3CrNiMo17-13-3	316 S 19	05X17H13M3	316 (AISI)
1.4437	GX6CrNiMo18-12	Z 4 CND 19.13 M		08X17H13M2	316 (SAE)
1.4438	X2CrNiMo18-15-4	X2CrNiMo18-15-4	317 S 12		317 L (AISI)
1.4439	GX3CrNiMoN17-13-5	X2CrNiMoN17-13-5	X2CrNiMoN17-13-5		
1.4441	X2CrNiMo18-15-3	X2CrNiMo18-15-3			
1.4442	X2CrNiMoN18-15-4	Z 3 CND 19-14 Az			
1.4446	GX2CrNiMoN17-13-4	GX2CrNiMoN17-13-4	GX2CrNiMoN17-13-4		
1.4448	GX6CrNiMo17-13		1632 grade A		
1.4449	X3CrNiMo18-12-3		317 S 16		317 (AISI)
1.4454					S 21900 (AISI)
1.4458	GX2NiCrMo28-20-2	GX2NiCrMo28-20-2	GX2NiCrMo28-20-2		
1.4459	X8CrNiMo23-13	Z 3 CND 22-15-03			
1.4460	X3CrNiMoN27-5-2	X3CrNiMoN27-5-2	X3CrNiMoN27-5-2	10Ch26N5M	329 (AISI)
1.4462	X2CrNiMoN22-5-3	X2CrNiMoN22-5-3	318 S 13	03X22H5AM3	S 31803 (AISI)
1.4465	X1CrNiMoN25-25-2			02Ch25N22AM2-PT	310 MoLN (AISI)
1.4466	X1CrNiMoN25-22-2	X1CrNiMoN25-22-2	X1CrNiMoN25-22-2		
1.4468	GX2CrNiMoN25-6-3	GX2CrNiMoN25-6-3	GX2CrNiMoN25-6-3	03Ch24N6AM3	



Material No.	DIN	AFNOR	BS	GOST	USA
1.4469	GX2CrNiMoN26-7-4	GX2CrNiMoN26-7-4	GX2CrNiMoN26-7-4		S 32615 (AISI)
1.4470	GX2CrNiMoN22-5-3	GX2CrNiMoN22-5-3	GX2CrNiMoN22-5-3		
1.4500	GX7NiCrMoCuNb25-20	Z 3 NCDU 25.20 M	332 C 11		
1.4501	X2CrNiMoCuWN25-7-4	X2CrNiMoCuWN25-7-4	X2CrNiMoCuWN25-7-4		
1.4502	X8CrTi18	X8CrTi18			
1.4504					631 (AISI)
1.4507	X2CrNiMoCuN25-6-3	X2CrNiMoCuN25-6-3	X2CrNiMoCuN25-6-3		
1.4508	GX2CrNiMoCuWN25-8-4	Z 4 CNUD 17-11-03 FF			
1.4509	X2CrTiNb18	X2CrTiNb18	X2CrTiNb18		
1.4510	X3CrTi17	X3CrTi17	X3CrTi17	05X17T	430 Ti (AISI)
1.4511	X3CrNb17	X3CrNb17	X3CrNb17		
1.4512	X2CrTi12	X2CrTi12	409 S 19		409 (AISI)
1.4513	X2CrMoTi17-1	X2CrMoTi17-1	X2CrMoTi17-1		
1.4516	X6CrNiTi12	X6CrNiTi12	X6CrNiTi12		
1.4517	GX2CrNiMoCuN25-6-3-3	GX2CrNiMoCuN25-6-3-3	GX2CrNiMoCuN25-6-3-3		
1.4519	X2CrNiMoCu20-25		904 S 92		
1.4520	X2CrTi17	X2CrTi17	X2CrTi17		
1.4521	X2CrMoTi18-2	X2CrMoTi18-2	X2CrMoTi18-2	20XH2M	443 (AISI)
1.4522	X2CrMoNb18-2				443 (AISI)
1.4523	X2CrMoTiS18-2	X2CrMoTiS18-2	X2CrMoTiS18-2		
1.4525	GX5CrNiCu16-4	GX5CrNiCu16-4	GX5CrNiCu16-4		
1.4526	X6CrMoNb17-1	X6CrMoNb17-1	X6CrMoNb17-1		
1.4527	GX4NiCrCuMo30-20-4	GX4NiCrCuMo30-20-4	GX4NiCrCuMo30-20-4		
1.4529	X1NiCrMoCuN25-20-7	X1CrNiMoCuN25-20-7	X1NiCrMoCuN25-20-7		N 08926 (AISI)
1.4532	X8CrNiMoAl15-7-2	X8CrNiMoAl15-7-2	X8CrNiMoAl15-7-2		631 (AISI)
1.4533	X6CrNiTi18-10S			05Ch18N10T	
1.4534	X3CrNiMoAl13-8-2				S 13800 (AISI)
1.4537	X1CrNiMoCuN25-25-5	X1CrNiMoCuN25-25-5	X1CrNiMoCuN25-25-5		
1.4539	X1NiCrMoCu25-20-5	X1NiCrMoCu25-20-5	904 S 13		904 L (AISI)
1.4540	GX4CrNiCuNb16-4	Z 4 CNUNb 16.4 M			
1.4541	X6CrNiTi18-10	X6CrNiTi18-10	321 S 12	08X18H10T	321 (AISI)
1.4542	X5CrNiCuNb16-4	X5CrNiCuNb16-4	X5CrNiCuNb16-4		630 (AISI)
1.4543	X3CrNiCuTi12-9		2 T.66		
1.4544			2 S.129	08X18H10T	321 (SAE)
1.4545					S 15500 (AISI)
1.4546	X5CrNiNb18-10		2 S.130		347 (SAE)
1.4547	X1CrNiMoCuN20-18-7	X1CrNiMoCuN20-18-7	X1CrNiMoCuN20-18-7		S 31254 (AISI)
1.4548	X5CrNiCuNb17-4-4				630 (AISI)



Material No.	DIN	AFNOR	BS	GOST	USA
1.4550	X6CrNiNb18-10	X6CrNiNb18-10	347 S 20	08Ch18N12B	347 (AISI)
1.4551	X5CrNiNb19-9	Z 6 CNNb 20-10			
1.4552	GX5CrNiNb19-11	GX5CrNiNb19-11	1631 grade B		
1.4555	X2CrNiNb21-10		347 S 96		
1.4557	GX2CrNiMoCuN20-18-6	GX2CrNiMoCuN20-18-6	GX2CrNiMoCuN20-18-6		
1.4559	G-X 7 NiCrMoCuNb 42 20				
1.4560	X3CrNiCu19-9-2	X3CrNiCu19-9-2	X3CrNiCu19-9-2		
1.4563	X1NiCrMoCu31-27-4	X1NiCrMoCu31-27-4	X1NiCrMoCu31-27-4		
1.4564					631 (AISI)
1.4565	X2CrNiMnMoNbN25-18-5-4				S 34565 (AISI)
1.4567	X 3 CrNiCu 18 9	X3CrNiCu18-9-4	394 S 17		
1.4568	X7CrNiAl17-7	X7CrNiAl17-7	301 S 81	09Ch17N7Ju1	631 (AISI)
1.4570	X6CrNiCuS18-9-2	X6CrNiCuS18-9-2	X6CrNiCuS18-9-2		
1.4571	X6CrNiMoTi17-12-2	X6CrNiMoTi17-12-2	320 S 18	08Ch16N11M3T	316 Ti (AISI)
1.4573	GX3CrNiMoCuN24-6-5		320 S 33	08Ch17N13M2T	316 Ti (AISI)
1.4574		Z 9 CNDA 15-07			631 (AISI)
1.4575	X1CrNiMoNb28-4-2				S 32803 (AISI)
1.4576	X5CrNiMoNb19-12	Z 4 CNDSNb 19-12-03	318 S 96		
1.4578	X3CrNiCuMo17-11-3-2	X3CrNiCuMo17-11-3-2	X3CrNiCuMo17-11-3-2		
1.4580	G-X 10 CrNiMoNb 18 10	X6CrNiMoNb17-12-2	318 S 17	08X17H13M2T	316 Cb (AISI)
1.4581	GX5CrNiMoNb19-11-2	GX5CrNiMoNb19-11-2	1632 grade C		
1.4583	GX10CrNiMoNb18-12				
1.4584	GX2NiCrMoCu25-20-5	GX2NiCrMoCu25-20-5	GX2NiCrMoCu25-20-5		
1.4587	GX2NiCrMoCuN29-25-5	GX2NiCrMoCuN29-25-5	GX2NiCrMoCuN29-25-5		
1.4588	GX2NiCrMoCuN25-20-6	GX2NiCrMoCuN25-20-6	GX2NiCrMoCuN25-20-6		
1.4590	X2CrNbZr17	X2CrNbZr17	X2CrNbZr17		
1.4592	X2CrMoTi29-4	X2CrMoTi29-4	X2CrMoTi29-4		
1.4594	X5CrNiMoCuNb14-5	X5CrNiMoCuNb14-5	X5CrNiMoCuNb14-5		
1.4601	X6CrNb12	X6CrNb12			
1.4602	X4CrCu17-1	X4CrCu17-1			
1.4603	X1CrTi17	X1CrTi17			
1.4604	X2CrTi20	X2CrTi20			
1.4605	X2CrAlTi18-2	X2CrAlTi18-2	X2CrAlTi18-2		
1.4650	X2CrNiCu19-10	X2CrNiCu19-10			
1.4651	X6CrNiCuS18-9-4	X6CrNiCuS18-9-4			
1.4704	45SiCr16-11				HNV 2 (SAE)
1.4710	GX30CrSi6				
1.4713	X10CrAl7		X10CrAlSi7	12X7C10	



Material No.	DIN	AFNOR	BS	GOST	USA
1.4718	G-X 45 CrSi 9 3	X45CrSi9-3	401 S 45	45X9C3	HNV 3 (SAE)
1.4720	X7CrTi12				409 (AISI)
1.4724	X10CrAl13	Z 13 C 13	X10CrAlSi13	10Ch13SJu	
1.4725	CrAl 14 4				
1.4731	X40CrSiMo10-2	X40CrSiMo10-2	X40CrSiMo10-2	40Ch10S2M	
1.4736	X3CrAlTi18-2		X3CrAlTi18-2		
1.4742	X10CrAl18	Z 12 CAS 18	X10CrAlSi18	15Ch18SJu	
1.4745	GX40CrSi23				
1.4747	X 80 CrNiSi 20				HNV 6 (SAE)
1.4748	X85CrMoV18-2	X85CrMoV18-2	X85CrMoV18-2		
1.4749	X18CrN28		X18CrN28		
1.4762	X10CrAl24	Z 12 CAS 25	X10CrAlSi25		446 (AISI)
1.4763	X8Cr24	X8Cr24			
1.4765	CrAl 25 5			Ch23Ju5T	
1.4767	CrAl 20 5				
1.4768	CrAl 21 6				
1.4776	GX40CrSi28				
1.4818	X6CrNiSiNc19-10		X6CrNiSiNc19-10		S 30415 (AISI)
1.4820	G-X 12 CrNi 26 5				
1.4821	X15CrNiSi25-4		X15CrNiSi25-4		
1.4825	GX25CrNiSi18-9				302 mod. (SAE)
1.4826	GX40CrNiSi22-10				
1.4828	X15CrNiSi20-12	Z 17 CNS 20-12	309 S 24	20Ch20N14S2	309 (AISI)
1.4829	X12CrNi22-12		309 S 94		
1.4832	GX25CrNiSi20-14			20Ch20N14S2L	
1.4833	X 7 CrNi 23 14	Z 15 CN 23-13	309 S 24		309 S (AISI)
1.4835	X9CrNiSiNc21-11-2		X9CrNiSiNc21-11-2		S 30815 (AISI)
1.4837	GX40CrNiSi25-12		1648 grade E	40Ch24N12SL	
1.4840	GX15CrNi25-20			15Ch23N18L	
1.4841	X15CrNiSi25-20	Z 15 CNS 25-20	314 S 25	20Ch25N20S2	310 (AISI)
1.4842	X12CrNi25-20	Z 12 CN 26-21	310 S 94		
1.4843	CrNi 25 20			ChN20Ju5	
1.4845	X12CrNi25-21	Z 12 CN 26-21	310 S 16	08X25H10	310 S (AISI)
1.4846	X40CrNi25-21		310 S 98		
1.4847	X8CrNiAlTi20-20				334 (AISI)
1.4848	GX40CrNiSi25-20		1648 grade F		
1.4849	GX40NiCrSiNb38-18				
1.4852	G40NiCrSiNb35-26				



Material No.	DIN	AFNOR	BS	GOST	USA
1.4854	X6NiCrSiNc35-25		X6NiCrSiNc35-25		
1.4855	GX30CrNiSiNb24-24				
1.4857	GX40NiCrSi35-25				
1.4859	GX10NiCrNb32-20				
1.4860	NiCr 30 20				
1.4864	X12NiCrSi35-16	Z 20 NCS 33-16	NA 17		330 (AISI)
1.4865	GX40NiCrSi38-18		330 C 11		
1.4866	X33CrNiMn23-8	X33CrNiMn23-8	X33CrNiMn23-8		EV 16 (SAE)
1.4870	X53CrMnNiNbN21-9	X53CrMnNiNbN21-9	352 S 52		
1.4871	X53CrMnNiN21-9	X53CrMnNiN21-9	349 S 52	55Ch20G9AN4	EV 8 (SAE)
1.4872	X25CrMnNiN25-9-7		X25CrMnNiN25-9-7		
1.4873	GX45CrNiW18-9				
1.4875	X55CrMnNiN20-8	X55CrMnNiN20-8	X55CrMnNiN20-8		EV 12 (SAE)
1.4876	X10NiCrAlTi32-20	Z 10 NC 32-21	NA 15		N 08800 (AISI)
1.4877	X6NiCrNbCe32-27		X6NiCrNbCe32-27		
1.4878	X12CrNiTi18-9	Z 6 CNT 18-10	321 S 31		
1.4882	X50CrMnNiNbN21-9	X50CrMnNiNbN21-9	X50CrMnNiNbN21-9		XEV-F (SAE)
1.4886	X10NiCrSi35-19		X10NiCrSi35-19		
1.4887	X10NiCrSiNb35-22		X10NiCrSiNb35-22		
1.4891	X 4 CrNiSiN 18 10				S 30415 (AISI)
1.4893	X 8 CrNiSiN 21 11				S 30815 (AISI)
1.4903	X10CrMoVNb9-1	X10CrMoV9-1			
1.4909	X2CrNiMoN17-12-2		S.161		
1.4910	X3CrNiMoBN17-13-3	X3CrNiMoBN17-13-3	X3CrNiMoBN17-13-3		
1.4911	X8CrCoNiMo10-6	Z 9 CKD 11	S.152		
1.4912	X7CrNiNb18-10	X7CrNiNb18-10			
1.4913	X19CrMoNbVN11-1	Z 21 CDNbv 11	X19CrMoNbVN11-1		
1.4919	X6CrNiMo17-13	X6CrNiMoB17-12-2	316 S 50	10X18H13M2	316 H (AISI)
1.4922	X20CrMoV11-1	X20CrMoV11-1	762		
1.4923	X22CrMoV12-1	X19CrMoNbVN11-1	X22CrMoV12-1		
1.4928	G-X 12 CrNiMoCoVN 12				
1.4931	GX23CrMoV12-1	GX23CrMoV12-1			
1.4935	X20CrMoWV12-1				422 (AISI)
1.4938	X11CrNiMoN12	X12CrNiMoV12-3	X12CrNiMoV12-3		
1.4939	X12CrNiMo12	Z 12 CNDV 12-03	S.151		S 64152 (AISI)
1.4941	X6CrNiTiB18-10	X6CrNiTiB18-10	321 S 51		
1.4943	X4NiCrTi25-15	Z 5 NCTDV 25-15 B	HR 251		660 (AISI)
1.4944			HR 51		660 (AISI)



Material No.	DIN	AFNOR	BS	GOST	USA
1.4948	X6CrNi18-10	X6CrNi18-10	304 S 50	10X20H10	304 H (AISI)
1.4949	X3CrNiN18-11		304 S 51		
1.4958	X5NiCrAlTi31-20	Z 8 NC 33-21	NA 15		N 08810 (AISI)
1.4959	X8NiCrAlTi32-21	Z 8 NC 33-21	NA 15		
1.4961	X8CrNiNb16-13		347 S 51		
1.4971	X12CrCoNi21-20				661 (AISI)
1.4980	X5NiCrTi26-15	X6NiCrTiMoVB25-15-2	286 S 31		660 (AISI)
1.4982	X10CrNiMoMnNbVB15-10-1	X10CrNiMoMnNbVB15-10-1	X10CrNiMoMnNbVB15-10-1		
1.4986	X7CrNiMoBNb16-16	X7CrNiMoBNb16-16	X7CrNiMoBNb16-16		
1.4988	G-X 8 CrNiMoVNb 16 13				
1.5023	38Si7	40Si7			
1.5024	46Si7	46 S 7			
1.5025	51Si7	50 S 7			
1.5026	55Si7	55 S 7	251 A 58	55S2	9255 (SAE)
1.5027	60Si7	60 S 7	251 A 60	60S2	9260 (SAE)
1.5029	71Si7			70S2ChA	
1.5069	36Mn7				1340 H (SAE)
1.5121	46MnSi4				
1.5122	37MnSi5	38 MS 5			
1.5128	10 MnSi 4 4				
1.5403	17MnMoV6-4		271		
1.5406	17MoV8-4				
1.5415	15 Mo 3	15 D 3	16Mo3	15M	
1.5419	G20Mo5		243-430		4422 (SAE)
1.5422	G18Mo5		G18Mo5		
1.5423	16Mo5				4419 (SAE)
1.5430	G8MnMo7-4				
1.5506	17MnB3		9/0		
1.5509	23B2	25 B 3			
1.5510	28B2	25 B 3			
1.5511	35B2	35 B 3	35B2		
1.5523	19MnB4	19MnB4	19MnB4		15B21 H (SAE)
1.5527	40MnB4		10/1		
1.5530	20MnB5	20 MB 5	20MnB5		
1.5531	30MnB5	30 MB 5	30MnB5		
1.5532	38MnB5	38 MB 5	38MnB5	40GR	
1.5621	G10Ni6				
1.5622	14Ni6	16 N 6			



Material No.	DIN	AFNOR	BS	GOST	USA
1.5633	24Ni8	20 N 8			
1.5636	G9Ni10		G9Ni10		
1.5637	10 Ni 14	12 N 14	12Ni14		
1.5638	G9Ni14		503 LT 60		
1.5639	16 Ni 14				2317 (SAE)
1.5662	G-X 8 Ni 9	9 Ni	502-650		
1.5663	X7Ni9	X7Ni9	510		
1.5680	12Ni19	12Ni19	12Ni19		2515 (SAE)
1.5681	GS-10 Ni 19				2512 (SAE)
1.5710	36 NiCr 6	30 NC 6			3135 (SAE)
1.5711	40NiCr6			40ChN	3140 (SAE)
1.5713	13NiCr6				3115 (SAE)
1.5714	16NiCr4	16NiCr4	16NiCr4	16XFH	
1.5715	16NiCrS4	16NiCrS4	16NiCrS4	16XFH-Y	
1.5732	14NiCr10	16 NC 11			3415 (SAE)
1.5736	36NiCr10	30 NC 11			3435 (SAE)
1.5737	30NiCr11	30 NC 12			
1.5752	14NiCr14	10 NC 12	15NiCr13	17XH3	3310 (SAE)
1.5755	31 NiCr 14	18 NC 13			
1.5805	10NiCr5-4	10NiCr5-4	10NiCr5-4	10XFH1	
1.6523	20NiCrMo2-2	20 NCD 2	20NiCrMo2-2	20XFHM	8615 (SAE)
1.6526	20NiCrMoS2-2	20NiCrMoS2-2	20NiCrMoS2-2	20XFHM-Y	
1.6528	GS-60 NiCrMo 2				8660 (SAE)
1.6541	23MnNiCrMo5-2	23 MNCD 5			
1.6543	21 NiCrMo 2 2		805 A 20		8622 (SAE)
1.6545	30NiCrMo2-2	30 NCD 2			8630 (SAE)
1.6546	40NiCrMo2-2	40 NCD 2	7	38ChGNM	8640 (SAE)
1.6552	G24CrNiMo3-2-5				
1.6562	40 NiCrMo 8 4		817 M 40		4337 (SAE)
1.6563	41NiCrMo7-3-2	41NiCrMo7-3-2	41NiCrMo7-3-2		
1.6565	40NiCrMo6		818 M 40	40XFH2M	4340 (SAE)
1.6566	17NiCrMo6-4	17NiCrMo6-4	17NiCrMo6-4	17XFH1M	
1.6569	17NiCrMoS6-4	17NiCrMoS6-4	17NiCrMoS6-4	17XFH1M-Y	
1.6570	G30NiCrMo8-5				
1.6571	20NiCrMoS6-4	20NiCrMoS6-4	20NiCrMoS6-4	20XFH2M-Y	
1.6580	30CrNiMo8	30 CND 8	30CrNiMo8	30X2H2M	
1.6582	34CrNiMo6	34CrNiMo6	34CrNiMo6	34X2H2M	
1.6587	17CrNiMo6	18 CND 6	18CrNiMo7-6	18X2H2M	



Material No.	DIN	AFNOR	BS	GOST	USA
1.6655	32NiCrMo12-5	30 NCD 12			
1.6657	14NiCrMo13-4	14NiCrMo13-4	14NiCrMo13-4	14XH3M	9310 (SAE)
1.7015	15Cr3	12 C 3	523 M 15		5015 (SAE)
1.7016	17Cr3	17Cr3	17Cr3	17XГ	5117 (SAE)
1.7023	38CrS2	38 C 2 u	38CrS2	38X-Y	
1.7025	46CrS2	46CrS2	46CrS2	46X-Y	
1.7030	28Cr4	28Cr4	28Cr4	28XГ	5130 (SAE)
1.7033	34Cr4	32 C 4	34Cr4	35X	5132 (SAE)
1.7034	37Cr4	37Cr4	3/1	37X	5135 (SAE)
1.7035	41Cr4	41Cr4	41Cr4	40X	5140 (SAE)
1.7036	28CrS4	28CrS4	28CrS4	28XГ-Y	
1.7037	34CrS4	32 C 4 u	34CrS4	34X-Y	
1.7038	37CrS4	37CrS4	37CrS4	37X-Y	
1.7039	41CrS4	41CrS4	41CrS4	40X-Y	
1.7102	54SiCr6	54SiCr6			9254 (SAE)
1.7106	55SiCr7		251 A 60		
1.7108	60SiCr7	56SiCr7			9261 (SAE)
1.7117	52SiCrNi5	52SiCrNi5			
1.7131	16MnCr5	16 MC 5	16MnCr5	16XГ	5115 (SAE)
1.7137	60MnCrB3				5160 (SAE)
1.7138	52MnCrB3				50B50 (SAE)
1.7139	16MnCrS5	16MnCrS5	16MnCrS5	16XГ-Y	
1.7147	20MnCr5	20 MC 5	20MnCr5	20XГ	5120 (SAE)
1.7149	20MnCrS5	20MnCrS5	20MnCrS5	20XГ-Y	
1.7150	G20MnCr5			16XГP	
1.7160	16MnCrB5	16MnCrB5	16MnCrB5		
1.7176	55Cr3	55 C 3	525 A 58	50ChGA	5155 (SAE)
1.7182	27MnCrB5-2	27MnCrB5-2	27MnCrB5-2		
1.7185	33MnCrB5-2	33MnCrB5-2	33MnCrB5-2		
1.7189	39MnCrB6-2	39MnCrB6-2	39MnCrB6-2		
1.7190	58 CrMnB 4				51B60 (SAE)
1.7213	25CrMoS4	25 CD 4 u	25CrMoS4	25XM-Y	
1.7214			2 S.142		
1.7218	25CrMo4	25 CD 4	25CrMo4	25XM	4130 (SAE)
1.7220	34CrMo4	34 CD 4	34CrMo4	34XM	4130 (SAE)
1.7221	G26CrMo4				
1.7222	42CrMoPb4			35ChML	
1.7223	41CrMo4		5/1	40ChFA	4142 (SAE)



Material No.	DIN	AFNOR	BS	GOST	USA
1.7225	42CrMo4	40 CD 4	42CrMo4	42XM	4140 (SAE)
1.7226	34CrMoS4	34 CD 3 u	34CrMoS4	34XM-Y 35XM	
1.7227	42CrMoS4	42 CD 4 u	42CrMoS4	42XM-Y	
1.7228	50CrMo4	50CrMo4	50CrMo4	50XM	4147 (SAE)
1.7233	42CrMo5-6	42CrMo5-6	42CrMo5-6		
1.7242	16CrMo4	15 CD 3.5			
1.7243	18CrMo4	18 CD 4	18CrMo4	18XM	
1.7244	18CrMoS4	18CrMoS4	18CrMoS4	18XM-Y	
1.7262	15CrMo5	12 CD 4 FF			
1.7276	10CrMo11	12 CD 10			
1.7281	16CrMo9-3	20 CD 8			
1.7311	20 CrMo 2				
1.7315	37 CrMo 3				
1.7319	20MoCrS3	20MoCrS3	20MoCrS3	20XM-Y	
1.7320	20MoCr3	20MoCr3	20MoCr3	20XM	
1.7321	20MoCr4	20MoCr4	20MoCr4	20XFM	4118 (SAE)
1.7323	20MoCrS4	20MoCrS4	20MoCrS4	20XFM-Y	
1.7333	22CrMoS3-5	22CrMoS3-5	22CrMoS3-5	22XFM-Y	
1.7335	13 CrMo 4 4	13CrMo4-5	13CrMo4-5	13X;	
1.7341	G34CrMo4-4				
1.7353	GS-12 CrMo 19 5		B 5		
1.7354	G22CrMo5-4				
1.7355	G17CrMnMo5-5				
1.7357	G17CrMo5-5		621		
1.7361	32CrMo12		722 M 24		
1.7362	12 CrMo 19 5	X16CrMo5-1	625	12X5M	501 (AISI)
1.7363	GS-12 CrMo 19 5				
1.7365	GX15CrMo5		625		
1.7375	12CrMo9-10	12CrMo9-10			
1.7377	G15CrMo9-10				
1.7379	G17CrMo9-10		622		
1.7380	10CrMo9-10	10CrMo9-10	10CrMo9-10	10X2M	
1.7381	12CrMo12-10	12 CD 12.10			
1.7383	11CrMo9-10	10 CD 9-10	11CrMo9-10		
1.7386	X12CrMo9-1		629-470		504 (AISI)
1.7389	G-X 12 CrMo 10 1		B 6		
1.7390	X15CrMo5-1	X15CrMo5-1	X15CrMo5-1		
1.7503	67 CrV 2 2			70ChGFA	



Material No.	DIN	AFNOR	BS	GOST	USA
1.7511	22CrV3				6118 (SAE)
1.7701	51CrMoV4	51 CDV 4			
1.7706	G17CrMoV5-10		G17CrMoV5-10		
1.7707	30CrMoV9			30Ch3MF	
1.7709	21CrMoV5-7	21CrMoV5-7	21CrMoV5-7		
1.7711	40CrMoV4-6	40CrMoV4-6	40CrMoV4-6		
1.7715	14MoV6-3	14Mo6	660		
1.8159	50 CrV 4	50 CV 4	51CrV4	50XГφ	6150 (SAE)
1.8507	34CrAlMo5	30 CAD 6.12			
1.8509	41CrAlMo7		905 M 39	38Ch2MJuA	E 71400 (SAE)
2.4631	NiCr20TiAl		2 HR 201		HEV 5 (SAE)
2.4632	NiCr20Co18Ti		2 HR 2		HEV 6 (SAE)
2.4636	NiCo15Cr15MoAlTi		HR 4		
2.4639	SG-NiCr20		NA 34		
2.4650	NiCo20Cr20MoTi		2 HR 1		
2.4652	EL-NiCr26Mo				S 32654 (AISI)
2.4654	NiCr19Co14Mo4Ti				XEV-H (SAE)
2.4660	NiCr20CuMo				N 08020 (AISI)
2.4665	NiCr22Fe18Mo		HR 204		
2.4667	SG-NiCr19NbMoTi		NA 51		
2.4668	NiCr19Fe19Nb5Mo3				XEV-I (SAE)
2.4669	NiCr15Fe7Ti2Al	NiCr15Fe7TiAl	NiCr15Fe7TiAl		688 (AISI)
2.4806	SG-NiCr20Nb		NA 35		
2.4810	NiMo 30	Ni-Mo 28	ANC 15		
2.4816	NiCr15Fe		HR 208		
2.4819	NiMo16Cr15W	Ni-Mo 16 Cr 15			
2.4831	SG-NiCr21Mo9Nb				
2.4851	NiCr23Fe		NiCr23Fe		
2.4854	NiFe33Cr25Co				S 35315 (AISI)
2.4856	NiCr22Mo9Nb		NA 21		
2.4858	NiCr21Mo		NA 16		
2.4867	NiCr60-15			Ch15N60	
2.4869	NiCr 80 20			Ch20N80	
2.4886	SG-NiMo16Cr16W		NA 48		
1.4889	NiCr28FeSiCe		NiCr28FeSiCe		
2.4951	NiCr20Ti		2 HR 504		