

International steel equivalents, Gost Steel material, ASME, DIN Material Comparison. www.semetailgroup.com

CIS, GOST	USA AISI, ASTM, ASME	Germany DIN	Japan JIS	China GB	UK B.S.	Italy UNI	France AFNOR NF
03CR17N14M3	316L SA-240TP316L 304 L SA-240TP304L	X2CrNiMo18-14-3 X2 Cr Ni 19-11 GX2 Cr Ni 19-11	SUS 316L	00Cr17Ni14Mo2 00Cr17Ni14Mo3	316S13 LW 22 304S11 LW 20 LWCF 20 S 536 304 C12 (LT 196) 305 S 11	X2CrNiMo 18-14-3 X2CrNiMo1713KG X2 CrNi 18 11 X 3 CrNi 18 11 GX 2 CrNi 19 10	Z 3 CND 17-12-03 Z 1 CN 18-12 Z 2 CN 18-10 Z 3 CN 19-10M Z 3 CN 18-10 Z 3 CN 19-11 Z 3 CN 19-11FF
03X18H11			SUS304 L	-			
03CRNI28MDT 06CR28MDT	-	X3NiCrCuMoTi2730	-	-	-	-	-
06X18H11		305 X4CrNi18-12 3008 X12CrNi17-7 301 X10CrNi18-8	SUS 305 SUS 305J1	-	305S17 305S19 301 S 21 301 S 22 Cr Ni 17/7	X7 CrNi18 10 X8 CrNi 19 10 X10CrNi18-8 X12CrNi17-07	Z 5 CN 18-11FF Z 11 CN 17-08 Z 11 CN 18-08 Z 12 CN 18-09
07C16H6	A 167 301 A 240 301 A 666 301		SUS 301	-			
08kp	A 622	St 50-2 403 X6 Cr 13 409 X7 Cr 14	SPHE SUS 403 SUS 410S SUS429	-	BS 1449 1 HR	-	3C Z6 C13 Z8 C12 Z8 C13FF
08X13	410 S	429		-	403 S17	X6 Cr 13	
08X17H13M2T 10X17H13M2T	SA-240 TP 410S 316 Ti A 167 316Ti A 213 F316H A 240 316Ti A 368 316Ti SA-240 TP 316Ti SA-479 316Ti 430Ti	X6CrNiMoTi 12 122 X 10 CrNiMoTi 18-12	SUS 316Ti	0Cr18Ni12Mo3Ti 1Cr18Ni12Mo3Ti	320 S 33 CrNiMo 17/12/2 ¼ Ti	X 6 CrNiMoTi 17 13	Z6 CNDT 17.12
08CR17T		X 6 CrTi 17 439 X3CrTi 17 304	SUS 430LX	-		X 3 CrTi 17 X 6 CrTi 17	Z 4 CT 17 Z4 CN 19-10 FF Z5 CN 17-06 Z6CN 18.09 Z7 CN 18-09
08X18H10	304 H SA-240 TP 304	X5 Cr Ni 18 10	SUS 304	-		X 5 Cr Ni 18 10	
08CR18Ni12B	A 167 347 A 240 347 A 313 347 A 580 347	347 X 6 CrNiNb 18 10 X6CrNiNb18-10	SUS 347	0Cr18Ni11Nb 1Cr18Ni11Nb 1Cr19Ni11Nb	304S11 304S15 304S16 304S17 304S31 LW21 LWCF 21 347 S 20 347 S 31 ANC 3 Grade B Cr Ni 18/9/Nb CrNi 18/9 0.10C/Nb DC 04 / FeP 04 HR 1 HR 2	X 6 CrNiNb 18 11	Z 6 CNNb 18-10
08 SA	A 620	DC 04 DC04+ZE Fe P04 / St 14 St 14 St 4	SPCE	-		DC 04 / FeP 04	DC 04 / FeP 04
09G2S	A 516-55 A 516-60 A 516-65 A 561 Gr70		SM41B SB49	-			
09CR17Ni7U	-	X 7 CrNiAl 17 7 X7CrNiAl17-7	SUS 631	0Cr17Ni7Al	301 S 81		Z 9 CNA 17-07
10	C1010 A 108 1010 A 29 M1010 A 510 1010 A 575 M1010 SA-29 M1010	C 10 C10E Ck 10	S 10 C S 9 CK SACM 1		040 A 10 045 M 10 En2A En32A HS 10	1 C 10 2 C 10 2 C 15 C 10	C 10 RR XC 10
10CR13CU	A 268 TP405	X10CrAl13 X10CrAlSi13	-	-	-	X 10 CrAl 12	Z 13 C 13
10X23H18 20X23H18 12K 12X13 15X13L	SA-240 TP 310S A 201 Gr AFx	- AST 35 410 X10 Cr13 430 X12 Cr13 GX 12 Cr 12	- - - SUS 410	- - - -	- - - 410C21 410S21 ANC 1A	- - - X 10 Cr13 X 12 Cr13	- - - Z10C13 Z12C13
12X17	A 182 F 430 A 240 430 SA-182 Grade F 430 SA-240 Type 430	430 X6Cr17	SUS 430	1Cr15 1Cr17 ML1Cr17	17Cr 430S17 430S18	X 6 Cr 17 X 8 Cr 17	Z 8 C 17
12X18H10T 06X18H10T 08X18H10T 09CR18Ni10T	A 213 TP321H SA-240 TP 321	321 X6 Cr Ni Ti 18 10 X10 Cr Ni Ti 189	SUS 321	-	321S12	-	Z6 CNT 18.10
12XM	A 182 Grade F12 A213 Grade T12 A 335 Grade P12 A 387A, B, C A 182 Grade F22 A335 Grade P22 387 Grade D	13CrMo-44	-	-	-	-	-
12X2M		10CrMo910	-	-	-	-	-
12X1MF		14MoV63	-	-	-	-	-
14F2	A414 Gr F, G A 515 Gr70 A516 Gr70	17 Mn4	SB 46 SB 49 SG V 46 SG V 49 SP V 32 S 15 C S 15 CK	-	-	-	A 48CP
15	C1015 A 108 1015 A 512 1015 A 576 1015 A 621 FS Type A A 621 FS Type B	C15 C15E Ck 15	S 15 CK	H15A ZG200-400 (ZG 15)	15	-	C 18 RR XC 15 XC 18
15kp		DD 11 (StW 22)	SPHD	-	-	-	1 C
15pc	A 29 1015	QSt 38-3	SWRCH15A SWRCH16R	ML15	-	CB 15	-

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15H2M		4615 -	-	-	-	-	-
15HM							
15X		15Cr3	-	-	-	-	-
15X5M	A 182 Grade F5 A 193 Grade B5	-	-	-	-	-	-
15X25T	A 268 TP446	10CrAl24	-	-	-	-	-
15X28							
15XF		6117 -	-	-	-	-	-
15CM	A 182 grade F12 A213 Grade T12 A 335 Grade P12	13CrMo-44	-	-	-	-	-
		H II St42-2 C22N AST41 P 265 GH	SG 295 SG 30 SM 53 B SM 53 C SPV 315 SPV 32 SPV 355 SPV 36			Fe 410 KW P 265 GH	
16K	A 414 Grade E				P 265 GH		
17GS	-	S355J2G3 / Fe 510 D1 St 52-3 St 52-3 / S355J2G3 St 52-3 G	SM 490 A SM 520 C SM 53 C	16Mn	-	Fe 510 Fe E 420 S 355 J 2 G 3	S 355 J 2 G 3
18CG	SA-29 Grade 5115	16 MnCr 5	-	15CrMn 20CrMn	527 M 17 590 H 17 590 M 17	16 MnCr 5	16 MC 5 16 MnCr 5 RR
	C1020 A 105 Gr1 A 106 GrA, B A 659 CS Type 1020 20 A 794 CS Type 1020	C 22 C 22N C 22.3 Ck 22 St35.8 St45.8	S 20 C S 20CK		040A20 070 M 20 070 M 26 1 C 22 C 22 En3A En3B En3C En3D	C 20 C 21 C 22	C 20 XC 25
20K	A 283-C A 285-A, B, c A 414 Grade E A 515-5 A 515-60 A 515-70	H II P 265 GH	SG 295 SG 30 SM 53 B SM 53 C SPV 315 SPV 32 SPV 355 SPV 36		P 265 GH	Fe 410 KW P 265 GH	
20pc	A 29 1020	-	SWRCH17R	ML20	0/4	-	-
20H2M		4621 -	-	-	-	-	-
20HM							
20X		5120 -	-	-	-	-	-
20KHF		6120 22CrV4 420	-	-	-	-	-
20X13	A 276 420 A 580 420	X 20 Cr 13	SUS 420J1	2Cr13	420 S 37 En56C	X 20 Cr 13	Z 20 C 13
20CR17NI2	A 493 431 A 580 431 SA-479 Type 431	431 X17CrNi16-2 X17CrNi16-2 (X 20 Cr)	SUS 431	1Cr17Ni2 ML1Cr17Ni2	431 S 29 En57	X 16 CrNi 1	Z 15 CN 16-02 Z 15 CN 16.02 CI
20CR25NI20C2		310 X15CrNiSi25-20 314 X15CrNiSi25-21 4130 25 CrMo 4 GS-25 CrMo 4	SUS Y 310	2Cr25Ni20	-	X 16 CrNiSi 25 20	Z 15 CNS 25-20
20CRM	SA-29 Grade 4130	3120 - 1022 20Mn5 1518	SCM 420 SCM 430	ML30CrMo ML30CrMoA	25 CrMo 4	25 CrMo 4	25 CrMo 4
20XH							
22K	25 C1025	1025	S Mn C 420	-	120M19	-	20M5
	A 108 1025 A 510 1025 A 512 1025 A 513 1025 A 576 1025 A 193 B14 A 540 B21 C1030 30 A 29 1030 SA-29 1030	GS-Ck 25	S 25 C	25Z ZG230-450 (ZG 25)	25 070 M 26 080 A 25	-	-
25F							
25X1MF		24CrMoV55	-	-	-	-	-
			SWRCH30K SWRCH33K	ML25Mn ML30		1月1日 -	
30X		5130 - 4130	-	-	-	-	-
30XM	A 302 Gr B	25CrMo4	-	-	-	-	-
	A 304						
30X13	420F	X30Cr13	SUS 420J2	3Cr13	420 S 45 En56D	G X 30 Cr 13 X 30 Cr 13	Z 30 C 13 Z 33 C 13
30CRM	-	34 CrMo 4 GS-34 CrMo 4	SCM 435 SCM 435 H	35CrMo	34 CrMo 4	34 CrMo 4	34 CrMo 4
30F2	-	36 Mn 5	SCMn 3 SMn 438 SMn 438 H	-	150 M 36 En15 En15A	-	40 M 5
	C1035 35 C1034 A 107	C 35 Ck 35	S 35C	-	080M36	-	XC 38
35X		5132 34Cr4	-	-	-	-	-
35XM		34CrMo4 C40 Ck40	S 40C	-	080A40 060A40	-	XC 42
40X	40	5140 41 Cr 4	S Gr 440	-	530A40 530M40	-	42C4
		X38Cr13 X39Cr13 X46Cr13	SUS 420J2	-	420S45	X 40 Cr 14 X 46 Cr 13	Z 38 C 13 M Z 40 C 13 Z 40 C 14 Z 44 C 14 Z 50 C 14
40CR2H2MA	SA-29 Grade 4340	4340 40 NiCrMo 6	SNCM 439 STPT 38	40CrNiMoA ML40CrNiMoA	818 M 40	-	-

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40XH		3135 40Ni Cr 6 3140	-	-	640M40	-	-
40CRNi2MA		9840 36 CrNiMo 4	-	-	36 CrNiMo 4	36 CrNiMo 4	36 CrNiMo 4 40 NCD 3
	45 A 107 A 29 1044 SA-29 1044	1045 C 45 Ck 45 Cq 45	S 45C SWRCH45K	ML45	080M 080M46	-	XC48
	A 108 1045 A 29 1045 A 311 1045 A 576 1045 SA-29 1045 SA-311 1045	1045 C45E Ck 45 GS-Ck 45	S 45 C S 48 C	ZG310-570 (ZG 45)	45		C 45 E XC 45
45Г					C 45 E	C 45 E	
45X		5145 -	-	-	-	-	-
	C1050 A 108 1050 A 29 1050 A 311 1050 A 510 1050 A 576 1050 SA-29 1050 SA-311 1050	C 50 E Ck 50			080 M 50 C 50 E		C 50 E XC 50
	50 A 311 1050 A 510 1050 A 576 1050 SA-29 1050 SA-311 1050		-		50	C 50 E	
50X		5147 -	-	-	-	-	-
	C1055 A 29 1055 A 576 1055 SA-29 1055	C 55 Ck 53	S 55 C S 55 C-CSP	-	070 M 55 C 55 En9 En9K	C 55	AF 70 C 54 C 55
	60 C1060 A 29 1060 A 576 1060 SA-29 1060	C 60	S 58 C S 60 C-CSP S 65 C-CSP	-	060 A 62 C 60 CS 60 HS 60	C 60	C 60
St0		S185 / Fe 310-0		Q195			
St1kn	A 283 Grade A	St 33	SS 330	Q195-F Q195-Z Q195-b Q215B	HR 15	S 185	-
St2ps	A53 Gr A			Q215B-F Q215B-Z Q215B-b	S360	-	-
St2sp	A192 Gr A	St 35	-	A3 Q235A Q235A-F Q235A-Z Q235A-b		-	-
St3kn	A 107 A 283 Grade C SA-283 C	USt 37-2 USt 37-2 G RSt37-2	-		-	-	-
St3sp	A 414 Grade A A 570 Grade 36	S235J2G3 / Fe 360 D1 St 37-3 St 37-3 G UZSt 37-2	SS34		HS 37/23 S 235 J 2 G 3 40C BS4360	S 235 J 2 G 3	S 235 J 2 G 3 E 24-2NE
St5sp	A 570 Grade 50	St 50-2 E335 / Fe 590-2	SS 50 SM 570	-	-	-	A 50-2
St6ps		St 60-2	SM 58	-	55 C	E 335	E 335
St6sp	A 572 Grade 65	St 60-2 G		-	E 335	Fe 590	E 335