

INTERNATIONAL STEEL GRADE COMPARISON TABLE

STEEL GRADE	China	Former Soviet Union	USA	UK	JAPAN	FRANCE	GERMANY	
	GB	ГОСТ	ASTM	BS	JIS	NF	DIN	
QUANTITY CARBON STRUCTURAL STEEL	08F	08КП	1006	040A04	S09CK		C10	
	08	08	1008	045M10	S9CK		C10	
	10F		1010	040A10		XC10		
	10	10	1010,1012	045M10	S10C	XC10	C10,CK10	
	15	15	1015	095M15	S15C	XC12	C15,CK15	
	20	20	1020	050A20	S20C	XC18	C22,CK22	
	25	25	1025		S25C		CK25	
	30	30	1030	060A30	S30C	XC32		
	35	35	1035	060A35	S35C	XC38TS	C35,CK35	
	40	40	1040	080A40	S40C	XC38H1		
	45	45	1045	080M46	S45C	XC45	C45,CK45	
	50	50	1050	060A52	S50C	XC48TS	CK53	
	55	55	1055	070M55	S55C	XC55		
	60	60	1060	080A62	S58C	XC55	C60,CK60	
	15Mn	15Г	1016,1115	080A17	SB46	XC12	14Mn4	
	20Mn	20Г	1021,1022	080A20		XC18		
	30Mn	30Г	1030,1033	080A32	S30C	XC32		
	40Mn	40Г	1036,1040	080A40	S40C	40M5	40Mn4	
	45Mn	45Г	1043,1045	080A47	S45C			
	50Mn	50Г	1050,1052	030A52	S53C	XC48		
				080M50				
ALLOY CONSTRUCTIONAL STEEL	20Mn2	20Г2	1320,1321	150M19	SMn420		20Mn5	
	30Mn2	30Г2	1330	150M28	SMn433H	32M5	30Mn5	
	35Mn2	35Г2	1335	150M36	SMn438(H)	35M5	36Mn5	
	40Mn2	40Г2	1340		SMn443	40M5		
	45Mn2	45Г2	1345		SMn443		46Mn7	
	50Mn2	50Г2				55M5		
	20MnV						20MnV6	
	35SiMn	35ГГ		En46			37MnSi5	
	42SiMn	35ГГ		En46			46MnSi4	
	40B		TS14B35					
	45B		50B46H					
	40MnB		50B40					
	45MnB		50B44					
	15Cr	15X	5115	523M15	SCr415(H)	12C3	15Cr3	
	20Cr	20X	5120	527A19	SCr420H	18C3	20Cr4	
	30Cr	30X	5130	530A30	SCr430		28Cr4	
	35Cr	35X	5132	530A36	SCr430(H)	32C4	34Cr4	
	40Cr	40X	5140	520M40	SCr440	42C4	41Cr4	
	45Cr	45X	5145,5147	534A99	SCr445	45C4		
	38CrSi	38XC						
	12CrMo	12XM		620C _R ·B			12CD4	13CrMo44
	15CrMo	15XM		A-387Cr·B	1653	STC42	12CD4	16CrMo44
						STT42		
						STB42		
	20CrMo	20XM		4119,4118	CDS12	SCT42	18CD4	20CrMo44
					CDS110	STT42		
						STB42		

25CrMo		4125	En20A		25CD4	25CrMo4
30CrMo	30XM	4130	17COS1	SCM420	30CD4	
42CrMo		4140	708A42		42CD4	42CrMo4
			708M40			
35CrMo	35XM	4135	708A37	SCM3	35CD4	34CrMo4
12CrMoV	12XMΦ					
12Cr1MoV	12X1MΦ					13CrMoV42
25Cr2Mo1VA	25X2M1ΦA					
20CrV	20XΦ	6120				22CrV4
40CrV	40XΦA	6140				42CrV6
50CrVA	50XΦA	6150	735A30	SUP10	50CV4	50CrV4
15CrMn	15XΓ,18XΓ					
20CrMn	20XΓCA	5152	527A60	SUP9		
30CrMnSiA	30XΓCA					
40CrNi	40XH	3140H	640M40	SNC236		40NiCr6
20CrNi3A	20XH3A	3316			20NC11	20NiCr14
30CrNi3A	30XH3A	3325	653M31	SNC631H		28NiCr10
		3330		SNC631		
20MnMoB		80B20				
38CrMoAlA	38XMIOA		905M39	SACM645	40CAD6.12	41CrAlMo07
40CrNiMoA	40XHMA	4340	871M40	SNCM439		40NiCrMo22

**SPRING
STEEL**

60	60	1060	080A62	S58C	XC55	C60
85	85	C1085	080A86	SUP3		
		1084				
65Mn	65Γ	1566				
55Si2Mn	55C2Γ	9255	250A53	SUP6	55S6	55Si7
60Si2MnA	60C2ΓA	9260	250A61	SUP7	61S7	65Si7
		9260H				
50CrVA	50XΦA	6150	735A50	SUP10	50CV4	50CrV4

**ROLLING
CHROME
STEEL**

GCr9	ШX9	E51100		SUJ1	100C5	105Cr4
		51100				
GCr9SiMn				SUJ3		
GCr15	ШX15	E52100	534A99	SUJ2	100C6	100Cr6
		52100				
GCr15SiMn	ШX15CΓ					100CrMn6

**FREE
CUTTING
STEEL**

Y12	A12	C1109		SUM12		
Y15		B1113	220M07	SUM22		10S20
Y20	A20	C1120		SUM32	20F2	22S20
Y30	A30	C1130		SUM42		35S20
Y40Mn	A40Γ	C1144	225M36		45MF2	40S20

**ABRASION-RESISTANT
STEEL**

ZGMn13	116Γ13Ю			SCMnH11	Z120M12	X120Mn12

**CARBON
TOOL
STEEL**

T7	y7	W1-7		SK7,SK6		C70W1
T8	y8			SK6,SK5		
T8A	y8A	W1-0.8C			1104Y ₁₇₅	C80W1
T8Mn	y8Γ			SK5		
T10	y10	W1-1.0C	D1	SK3		
T12	y12	W1-1.2C	D1	SK2	Y2 120	C125W
T12A	y12A	W1-1.2C			XC 120	C125W2
T13	y13			SK1	Y2 140	C135W

ALLOY TOOL STELL	8MnSi						C75W3
	9SiCr	9XC		BH21			90CrSi5
	Cr2	X	L3				100Cr6
	Cr06	13X	W5		SKS8		140Cr3
	9Cr2	9X	L				100Cr6
	W	B1	F1	BF1	SK21		120W4
	Cr12	X12	D3	BD3	SKD1	Z200C12	X210Cr12
	Cr12MoV	X12M	D2	BD2	SKD11	Z200C12	X165CrMoV46
	9Mn2V	9Г2Ф	02			80M80	90MnV8
	9CrWMn	9XBГ	01		SKS3	80M8	
	CrWMn	XBГ	07		SKS31	105WC13	105WCr6
	3Cr2W8V	3X2B8Ф	H21	BH21	SKD5	X30WC9V	X30WCrV93
	5CrMnMo	5XГM			SKT5		40CrMnMo7
	5CrNiMo	5XHM	L6		SKT4	55NCDV7	55NiCrMoV6
	4Cr5MoSiV	4X5MФC	H11	BH11	SKD61	Z38CDV5	X38CrMoV51
	4CrW2Si	4XB2C			SKS41	0WCDS35-	35WCrV7
	5CrW2Si	5XB2C	S1	BSi			45WCrV7

HIGH-SPEED TOOL STEEL	W18Cr4V	P18	T1	BT1	SKH2	Z80WCV	S18-0-1
						18-04-01	
	W6Mo5Cr4V2	P6M3	N2	BM2	SKH9	Z85WDCV	S6-5-2
						06-05-04-02	
	W18Cr4VCo5	P18K5Ф2	T4	BT4	SKH3	Z80WKCV	S18-1-2-5
						18-05-04-01	
	W2Mo9Cr4VCo8		M42	BM42		Z110DKCW	S2-10-1-8
					09-08-04-02-01		

STAINLESS STEEL	1Cr18Ni9	12X18H9	302	302S25	SUS302	Z10CN18.09	X12CrNi188
			S30200				
	Y1Cr18Ni9		303	303S21	SUS303	10CNF18.0X	X12CrNiS188
			S30300				
	0Cr19Ni9	08X18H10	304	304S15	SUS304	Z6CN18.09	X5CrNi189
			S30400				
	00Cr19Ni11	03X18H11	304L	304S12	SUS304L	Z2CN18.09	X2CrNi189
			S30403				
	0Cr18Ni11Ti	08X18H10T	321	321S12	SUS321	Z6CNT18.10	X10CrNiTi189
			S32100	321S20			
	0Cr13Al		405	405S17	SUS405	Z6CA13	X7CrAl13
			S40500				
	1Cr17	12X17	430	430S15	SUS430	Z8C17	X8Cr17
			S43000				
	1Cr13	12X13	410	410S21	SUS410	Z12C13	X10Cr13
			S41000				
	2Cr13	20X13	420	420S37	SUS420J1	Z20C13	X20Cr13
			S42000				
	3Cr13	30X13		420S45	SUS420J2		
	7Cr17		440A		SUS440A		
		S44002					
0Cr17Ni7Al	09X17H7O	631		SUS631	Z8CNA17.7	X7CrNiAl177	
		S17700					

	2Cr23Ni13	20X23H12	309	309S24	SUH309	Z15CN24.13	
			S30900				
	2Cr25Ni21	20X25H20C2	310	310S24	SUH310	Z12CN25.20	CrNi2520
			S31000				

**HEAT
RESISTING
STEEL**

0Cr25Ni20		310S		SUS310S		
		S31008				
0Cr17Ni12Mo2	08X17H13M2T	316	316S16	SUS316	76CND17.1	X5CrNiMo1810
		S31600				
0Cr18Ni11Nb	08X18H12E	347	347S17	SUS347	6CNNb18.1	X10CrNiNb189
		S34700				
1Cr13Mo				SUS410J1		
1Cr17Ni2	14X17H2	431	431S29	SUS431	215CN16-0	X22CrNi17
		S43100				
0Cr17Ni7Al	09X17H7O	631		SUS631	Z8CNA17.7	X7CrNiAl177
		S17700				