



COMPARISON SPECIFICATION TABLE FOR DIFFERENT STEEL ALLOYS

Material	China	Former Soviet Union	America	England	Japan	French	Germany
	GB	ГОСТ	ASTM	BS	JIS	NF	DIN
High Quality Carbon Structural Steel	08F	08KП	1006	040A04	S09CK		C10
	8	8	1008	045M10	S9CK		C10
	10F		1010	040A10		XC10	
	10	10	10,101,012	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	10,161,115	080A17	SB46	XC12	14Mn4
	20Mn	20Г	10,211,022	080A20		XC18	
	30Mn	30Г	10,301,033	080A32	S30C	XC32	
	40Mn	40Г	10,361,040	080a40	S40C	40M5	40Mn4
	45Mn	45Г	10,431,045	080A47	S45C		
	50Mn	50Г	10,501,052	030A52 080M50	S53C	XC48	

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[illegible]



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	50CrV	50XΦA	6150	735A30	SUP10	50CV4	50CrV4
	15CrMn	15XГ,18XГ					
	20CrMn	20XГ CA	5152	527A60	SUP9		
	30CrMnSiA	30XГ CA					
	40CrNi	40XH	3140H	640M40	SNC236		40NiCr6
	20CrNi3A	20XH3A	3316			20NC11	20NiCr14
	30CrNi3A	30XH3A	3325/ 3330	653M31	SNC631H SNC631		28NiCr10
	20MnMoB		80B20				
	38CrMoA1A	38XMIOA		905M39	SACM645	40CAD6.12	41CrA1Mo07
	40CrNiMoA	40XHMA	4340	871M40	SNCM439		40NiCrMo22
Spring Steel	60	60	1060	080A62	S58C	XC55	C60
	85	85	C1085/ 1084	080A86	SUP3		
	65Mn	65Г	1566				
	55Si2Mn	55C2Г	9255	250A53	SUP6	55S6	55Si7
	60Si2MnA	60C2Г A	9260/ 9260H	250A61	SUP7	61S7	65Si7
Rolling Bearing Steel	GCr9	ШХ9	E51100/ 51100		SUJ1	100C5	105Cr4
	GCr9SiMn				SUJ3		
	GCr15	ШХ15	E52100 52100	534A99	SUJ2	100C6	100Cr6
	GCr15SiMn	ШХ15CГ					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	A40Г	C1144	225M36		45MF2	40S20
Wear Resistant Steel	ZGMn13	116Г 13Ю			SCMnH11	Z120M12	X120Mn12



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Carbon Tool Steel	T7	y7	W1-7		SK7.SK6		C70W1
	T8	y8			SK6.SK5		
	T8A	y8A	W1-0.8C			1104Y175	C80W1
	T8Mn	y8Г			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 Steel	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	9Г 2Φ	2			80M80	90MnV8
	9CrWMn	9XBГ	1		SKS3	80M8	
	CrWMn	XBГ	7		SKS31	105WC13	105WCr6
	3Cr2W8V	3X2B8Φ	H21	BH21	SKD5	X30WC9V	X30WCrV93
	5CrMnMo	5XГ M			SKT5		40CrMnMo7
	5CrNiMo	5XHM	L6		SKT4	55NCDV7	55NiCrMoV6
	4Cr5MoSiV	4X5MΦC	H11	BH11	SKD61	Z38CDV5	X38CrMoV51
	4CrW2Si	4XB2C			SKS41	40WCDS35-12	35WCrV7
	5CrW2Si	5XB2C	S1	BSi			45WCrV7
High Speed Tool Steel	W18Cr4V	P18	T1	BT1	SKH2	Z80WCV 2018-4-1	S18-0-1
	W6Mo5Cr4V2	P6M3	N2	BM2	SKH9	Z85WDCV 06-05-04-02	S6-5-2
	W18Cr4VCo5	P18K5Φ2	T4	BT4	SKH3	Z80WKCV 18-05-04-01	S18-1-2-5
	W2Mo9Cr4VCo8		M42	BM42		Z110DKCWV 09-08-04-02-01	S2-10-1-8



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Heat Resistant Steel	2Cr23Ni13	20X23H12	309/S30900	309S24	SUH309	Z15CN24.13	
	2Cr25Ni21	20X25H20C2	310/S31000	310S24	SUH310	Z12CN25.20	CrNi2520
	0Cr25Ni20		310/S31008		SUS310S		
	0Cr17Ni12Mo2	08X17H13M2T	316/S31600	316S16	SUS316	Z6CND17.12	X5CrNiMo1810
	0Cr18Ni11Nb	08X18H12E	347/S34700	347S17	SUS347	Z6CNNb18.10	X10CrNiNb189
	1Cr13Mo				SuS410J1		
	1Cr17Ni2	14X17H2	431/S43100	431S29	SUS431	Z15CN16-02	X22CrNi17
	0Cr17Ni7Al	09X17H7Ю	631/S17700		SUS631	Z8CNA17.7	X7CrNiAl1177