Grades Chart

	Steel Grades Chart for Diffirent Country							
Class SL		USA	UK	France	Germany	Japan	China	former Soviet Union
Class1	Steel Grades	ASTM	BS	NF	DIN	JIS	GB	ГОСТ
	Quality Carbon Structural Steel	1006	040A04		C10	S09CK	08F	08КП
		1008	045M10		C10	S9CK	08	08
		1010	040A10	XC10			10F	
		1010,1012	045M10	XC10	C10,CK10	S10C	10	10
		1015	095M15	XC12	C15,CK15	S15C	15	15
		1020	050A20	XC18	C22,CK22	S20C	20	20
		1025			CK25	S25C	25	25
		1030	060A30	XC32		S30C	30	30
		1035	060A35	XC38TS	C35,CK35	S35C	35	35
		1040	080A40	XC38H1		S40C	40	40
		1045	080M46	XC45	C45,CK45	S45C	45	45
Class2		1050	060A52	XC48TS	CK53	S50C	50	50
		1055	070M55	XC55		S55C	55	55
		1060	080A62	XC55	C60,CK60	S58C	60	60
		1016,1115	080A17	XC12	14Mn4	SB46	15Mn	15Г
		1021,1022	080A20	XC18			20Mn	20Г
		1030,1033	080A32	XC32		S30C	30Mn	30Г
		1036,1040	080A40	40M5	40Mn4	S40C	40Mn	40Г
		1043,1045	080A47			S45C	45Mn	45Г
		1050,1052	030A52	XC48		S53C	50Mn	50Г
			080M50					
	Alloy Structure Steel	1320,1321	150M19		20Mn5	SMn420	20Mn2	20Г2
		1330	150M28	32M5	30Mn5	SMn433H	30Mn2	30Г2
		1335	150M36	35M5	36Mn5	SMn438(H)	35Mn2	35Г2
		1340		40M5		SMn443	40Mn2	40Г2
		1345			46Mn7	SMn443	45Mn2	45Г2
				~55M5			50Mn2	50Г2
					20MnV6		20MnV	
			En46		37MnSi5		35SiMn	35СГ
			En46		46MnSi4		42SiMn	35СГ
		TS14B35					40B	
		50B46H					45B	
		50B40					40MnB	
		50B44					45MnB	
		5115	523M15	12C3	15Cr3	SCr415(H)	15Cr	15Х
		5120	527A19	18C3	20Cr4	SCr420H	20Cr	20Х
		5130	530A30		28Cr4	SCr430	30Cr	30Х
		5132	530A36	32C4	34Cr4	SCr430(H)	35Cr	35Х
		5140	520M40	42C4	41Cr4	SCr440	40Cr	40Х
		5145,5147	534A99	45C4		SCr445	45Cr	45Х
							38CrSi	38ХС
			620CR.B	12CD4	13CrMo44		12CrMo	12ХМ
		A-387Cr.B	1653	12CD4	16CrMo44	STC42	15CrMo	15ХМ
						STT42		
						STB42		
		4119,4118	CDS12	18CD4	20CrMo44	SCT42	20CrMo	20ХМ
			CDS110			STT42		
Class3						STB42		
		4125	En20A	25CD4	25CrMo4		25CrMo	
		4130	1717COS110	30CD4		SCM420	30CrMo	30ХМ
		4140	708A42	42CD4	42CrMo4		42CrMo	
			708M40					
		4135	708A37	35CD4	34CrMo4	SCM3	35CrMo	35ХМ
							12CrMoV	12ХМФ
					13CrMoV42		12Cr1MoV	12Х1МФ
							25Cr2Mo1VA	25Х2М1ФА
		6120			22CrV4		20CrV	20ХФ
		6140			42CrV6		40CrV	40ХФА
		6150	735A30	50CV4	50CrV4	SUP10	50CrVA	50ХФА
							15CrMn	15ХГ,18ХГ
		5152	527A60			SUP9	20CrMn	20ХГСА
							30CrMnSiA	30ХГСА
		3140H	640M40		40NiCr6	SNC236	40CrNi	40ХН
		3316		20NC11	20NiCr14		20CrNi3A	20ХН3А
		3325	653M31		28NiCr10	SNC631H	30CrNi3A	30ХН3А
		3330				SNC631		
		80B20					20MnMoB	
			905M39	40CAD6.12	41CrAlMo07	SACM645	38CrMoAlA	38ХМЮА
		4340	871M40		40NiCrMo22	SNCM439	40CrNiMoA	40ХНМА

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		1060	080A62	XC55	C60	S58C	60	60
		C1085	080A86			SUP3	85	85
		1084						
Class4	Spring Steel	1566					65Mn	65Г
		9255	250A53	55S6	55Si7	SUP6	55Si2Mn	55C2Г
		9260	250A61	61S7	65Si7	SUP7	60Si2MnA	60C2ГA
		9260H						
		6150	735A50	50CV4	50CrV4	SUP10	50CrVA	50ХФА
		E51100		100C5	105Cr4	SUJ1	GCr9	ШХ9
		51100						
	Roller Bearing Steel					SUJ3	GCr9SiMn	
Class5		E52100	534A99	100C6	100Cr6	SUJ2	GCr15	ШХ15
		52100						
					100CrMn 6		GCr15SiMn	ШХ15СГ
		C1109				SUM12	Y12	A12
	Free Cutting Steel	B1113	220M07		10S20	SUM22	Y15	
Class6		C1120		20F2	22S20	SUM32	Y20	A20
		C1130			35S20	SUM42	Y30	A30
		C1144	225M36	45MF2	40S20		Y40Mn	A40Г
Class17	Wear Resisting Steel			Z120M12	X120Mn1 2	SCMnH11	ZGMn13	116Г13Ю
		W1-7			C70W1	SK7,SK6	T7	y7
						SK6,SK5	T8	y8
		W1-0.8C		1104Y175	C80W1		T8A	y8A
Class8	Carbon Stool Steel					SK5	T8Mn	y8Г
		W1-1.0C	D1			SK3	T10	y10
		W1-1.2C	D1	Y2 120	C125W	SK2	T12	y12
		W1-1.2C		XC 120	C125W2		T12A	y12A
				Y2 140	C135W	SK1	T13	y13
					C75W3		8MnSi	
			BH21		90CrSi5		9SiCr	9XC
		L3			100Cr6		Cr2	X
		W5			140Cr3	SKS8	Cr06	13X
		L			100Cr6		9Cr2	9X
		F1	BF1		120W4	SK21	W	B1
		D3	BD3	Z200C12	X210Cr12	SKD1	Cr12	X12
		D2	BD2	Z200C12	X165CrM oV46	SKD11	Cr12MoV	X12M
		02		80M80	90MnV8		9Mn2V	9Г2Ф
	Slloy Tool Steel	01		80M8		SKS3	9CrWMn	9ХВГ
Class9		07		105WC13	105WCr6	SKS31	CrWMn	ХВГ
		H21	BH21	X30WC9V	X30WCrV 93	SKD5	3Cr2W8V	3Х2В8Ф
					40CrMnM o7	SKT5	5CrMnMo	5ХГМ
		L6		55NCDV7	55NiCrM oV6	SKT4	5CrNiMo	5ХНМ
		H11	BH11	Z38CDV5	X38CrMo V51	SKD61	4Cr5MoSiV	4Х5МФС
				40WCDS3 5-12	35WCrV7	SKS41	4CrW2Si	4ХВ2С
		S1	BSi		45WCrV7		5CrW2Si	5ХВ2С
		T1	BT1	Z80WCV	S18-0-1	SKH2	W18Cr4V	P18
				18-04-01				
		N2	BM2	Z85WDC V	S6-5-2	SKH9	W6Mo5Cr4 V2	P6M3
Class10	High-Speed Tool Steel			06-05-04- 02				
		T4	BT4	Z80WKCV	S18-1-2-5	SKH3	W18Cr4VCo 5	P18K5Ф2
				18-05-04- 01				
		M42	BM42	Z110DKC WV	S2-10-1-8		W2Mo9Cr4 VCo8	
				09-08-04- 02-01				
		302	302S25	Z10CN18. 09	X12CrNi1 88	SUS302	1Cr18Ni9	12X18H9
		S30200						
		303	303S21	Z10CNF1 8.09	X12CrNiS 188	SUS303	Y1Cr18Ni9	
		S30300						
		304	304S15	Z6CN18.0 9	X5CrNi18 9	SUS304	0Cr19Ni9	08X18H10
		S30400						
		304L	304S12	Z2CN18.0 9	X2CrNi18 9	SUS304L	00Cr19Ni11	03X18H11
		S30403						
		321	321S12	Z6CNT18. 10	X10CrNiT i189	SUS321	0Cr18Ni11T i	08X18H10T
Class11	Stainless Steel	S32100	321S20					
		405	405S17	Z6CA13	X7CrAl13	SUS405	0Cr13Al	
		S40500						
		430	430S15	Z8C17	X8Cr17	SUS430	1Cr17	12X17
		S43000						
		410	410S21	Z12C13	X10Cr13	SUS410	1Cr13	12X13
		S41000						
		420	420S37	Z20C13	X20Cr13	SUS420J1	2Cr13	20X13
		S42000						
			420S45			SUS420J2	3Cr13	30X13
		440A				SUS440A	7Cr17	
		S44002						
		631		Z8CNA17. 7	X7CrNiAl 177	SUS631	0Cr17Ni7Al	09X17H7Ю
		S17700						
		309	309S24	Z15CN24. 13		SUH309	2Cr23Ni13	20X23H12
		S30900						
		310	310S24	Z12CN25. 20	CrNi2520	SUH310	2Cr25Ni21	20X25H20C2
		S31000						
		310S				SUS310S	0Cr25Ni20	
		S31008						
		316	316S16	Z6CND17. 12	X5CrNiM o1810	SUS316	0Cr17Ni12 Mo2	08X17H13M2T
Class12	Heat Resistant Steel	S31600						
		347	347S17	Z6CNNb1 8.10	X10CrNiN b189	SUS347	0Cr18Ni11N b	08X18H12E
		S34700						
						SUS410J1	1Cr13Mo	
		431	431S29	Z15CN16- 02	X22CrNi1 7	SUS431	1Cr17Ni2	14X17H2
		S43100						
		631		Z8CNA17. 7	X7CrNiAl 177	SUS631	0Cr17Ni7Al	09X17H7Ю
		S17700						

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