

常用材料七国牌号对照表

钢号	中国	前苏联	美国	英国	日本	法国	德国
	GB		ASTM	BS	JIS	NF	DIN
优	08F	08	1006	040A04	S09CK		C10
	08	08	1008	045M10	S9CK		C10
	10F		1010	040A10		XC10	
质	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
碳	25	25	1025		S25C		CK25
	30	30	1030	060A30	S30C	XC32	
	35	35	1035	060A35	S35C	XC38TS	C35, CK35
素	40	40	1040	080A40	S40C	XC38H1	
	45	45	1045	080M46	S45C	XC45	C45, CK45
	50	50	1050	060A52	S50C	XC48TS	CK53
结	55	55	1055	070M55	S55C	XC55	
	60	60	1060	080A62	S58C	XC55	C60, CK60
	15Mn	15	1016, 1115	080A17	SB46	XC12	14Mn4
构	20Mn	20	1021, 1022	080A20		XC18	
	30Mn	30	1030, 1033	080A32	S30C	XC32	
	40Mn	40	1036, 1040	080A40	S40C	40M5	40Mn4
钢	45Mn	45	1043, 1045	080A47	S45C		
	50Mn	50	1050, 1052	030A52	S53C	XC48	
				080M50			
合	20Mn2	20 2	1320, 1321	150M19	SMn420		20Mn5
	30Mn2	30 2	1330	150M28	SMn433H	32M5	30Mn5
	35Mn2	35 2	1335	150M36	SMn438(H)	35M5	36Mn5
金	40Mn2	40 2	1340		SMn443	40M5	
	45Mn2	45 2	1345		SMn443		46Mn7
	50Mn2	50 2				~55M5	
结	20MnV						20MnV6
	35SiMn	35C		En46			37MnSi5
	42SiMn	35C		En46			46MnSi4

构 钢	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		620CR.B		12CD4	13CrMo44
	合 金 结 构 钢	15CrMo	15XM	A-387Cr . B	1653	STC42	12CD4
					STT42		
					STB42		
20CrMo		20XM	4119,4118	CDS12	SCT42	18CD4	20CrMo44
				CDS110	STT42		
					STB42		
25CrMo			4125	En20A		25CD4	25CrMo4
30CrMo		30XM	4130	1717COS110	SCM420	30CD4	
42CrMo			4140	708A42		42CD4	42CrMo4
				708M40			
35CrMo		35XM	4135	708A37	SCM3	35CD4	34CrMo4
12CrMoV		12XM					
12Cr1MoV		12X1M					13CrMoV42
25Cr2Mo1VA	25X2M1 A						
20CrV	20X	6120				22CrV4	
40CrV	40X A	6140				42CrV6	
50CrVA	50X A	6150	735A30	SUP10	50CV4	50CrV4	
15CrMn	15X ,18X						
20CrMn	20X CA	5152	527A60	SUP9			
30CrMnSiA	30X CA						
40CrNi	40XH	3140H	640M40	SNC236		40NiCr6	
20CrNi3A	20XH3A	3316			20NC11	20NiCr14	
30CrNi3A	30XH3A	3325	653M31	SNC631H		28NiCr10	
		3330		SNC631			

	20MnMoB		80B20				
	38CrMoAlA	38XM10A		905M39	SACM645	40CAD6.12	41CrAlMo07
	40CrNiMoA	40XHMA	4340	871M40	SNCM439		40NiCrMo22
弹 簧 钢	60	60	1060	080A62	S58C	XC55	C60
	85	85	C1085	080A86	SUP3		
			1084				
	65Mn	65	1566				
	55Si2Mn	55C2	9255	250A53	SUP6	55S6	55Si7
	60Si2MnA	60C2 A	9260	250A61	SUP7	61S7	65Si7
			9260H				
	50CrVA	50X A	6150	735A50	SUP10	50CV4	50CrV4
滚 动 轴 承 钢	GCr9	X9	E51100		SUJ1	100C5	105Cr4
			51100				
	GCr9SiMn				SUJ3		
	GCr15	X15	E52100	534A99	SUJ2	100C6	100Cr6
			52100				
	GCr15SiMn	X15C					100CrMn6
易 切 削 钢	Y12	A12	C1109		SUM12		
	Y15		B1113	220M07	SUM22		10S20
	Y20	A20	C1120		SUM32	20F2	22S20
	Y30	A30	C1130		SUM42		35S20
	Y40Mn	A40	C1144	225M36		45MF2	40S20
耐磨钢	ZGMn13	116 13			SCMnH11	Z120M12	X120Mn12
碳 素 工 具 钢	T7	y7	W1-7		SK7,SK6		C70W1
	T8	y8			SK6,SK5		
	T8A	y8A	W1-0.8C			1104Y175	C80W1
	T8Mn	y8			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

合金工具钢	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	9 2	02			80M80	90MnV8
	9CrWMn	9XB	01		SKS3	80M8	
	CrWMn	XB	07		SKS31	105WC13	105WCr6
	3Cr2W8V	3X2B8	H21	BH21	SKD5	X30WC9V	X30WCrV93
	5CrMnMo	5X M			SKT5		40CrMnMo7
	5CrNiMo	5XHM	L6		SKT4	55NCDV7	55NiCrMoV6
	4Cr5MoSiV	4X5M C	H11	BH11	SKD61	Z38CDV5	X38CrMoV51
	4CrW2Si	4XB2C			SKS41	40WCDS35-12	35WCrV7
	5CrW2Si	5XB2C	S1	BSi			45WCrV7
	高速工具钢	W18Cr4V	P18	T1	BT1	SKH2	Z80WCV
						18-04-01	
W6Mo5Cr4V2		P6M3	N2	BM2	SKH9	Z85WDCV	S6-5-2
						06-05-04-02	
W18Cr4VCo5		P18K5 2	T4	BT4	SKH3	Z80WKCV	S18-1-2-5
						18-05-04-01	
W2Mo9Cr4VCo8			M42	BM42		Z110DKCWV	S2-10-1-8
					09-08-04-02-01		
不	1Cr18Ni9	12X18H9	302	302S25	SUS302	Z10CN18.09	X12CrNi188
			S30200				
	Y1Cr18Ni9		303	303S21	SUS303	Z10CNF18.09	X12CrNiS188
			S30300				
	0Cr19Ni9	08X18H10	304	304S15	SUS304	Z6CN18.09	X5CrNi189
			S30400				
	00Cr19Ni11	03X18H11	304L	304S12	SUS304L	Z2CN18.09	X2CrNi189
		S30403					

锈 钢	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	09X17H7	631		SUS631	Z8CNA17.7	X7CrNiAl177
		S17700					
耐 热 钢	2Cr23Ni13	20X23H12	309	309S24	SUH309	Z15CN24.13	
			S30900				
	2Cr25Ni21	20X25H20C2	310	310S24	SUH310	Z12CN25.20	CrNi2520
			S31000				
	0Cr25Ni20		310S		SUS310S		
			S31008				
	0Cr17Ni12Mo2	08X17H13M2T	316	316S16	SUS316	Z6CND17.12	X5CrNiMo1810
			S31600				
	0Cr18Ni11Nb	08X18H12E	347	347S17	SUS347	Z6CNNb18.10	X10CrNiNb189
			S34700				
	1Cr13Mo				SUS410J1		
	1Cr17Ni2	14X17H2	431	431S29	SUS431	Z15CN16-02	X22CrNi17
			S43100				
	0Cr17Ni7Al	09X17H7	631		SUS631	Z8CNA17.7	X7CrNiAl177
		S17700					
工 业 纯 铝	1A99	1199				A199.99R	A99
	1A97					A199.98R	A97
	1A95						A95
	1A80		1080(1A)	1080	1080A	A199.90	A8
	1A50	1050	1050(1B)	1050	1050A	A199.50	A5

防 锈 铝	5A02	5052	NS4	5052	5052	A1Mg2.5	Amg
	5A03		NS5				AMg3
	5A05	5056	NB6	5056		A1Mg5	AMg5V
	5A30	5456	NG61	5556	5957		
硬 铝	2A01	2036		2117	2117	AlCu2.5Mg0.5	D18
	2A11		HF15	2017	2017S	AlCuMg1	D1
	2A12	2124		2024	2024	AlCuMg2	D16AVTV
	2B16	2319					
锻 铝	2A80			2N01			AK4
	2A90	2218		2018			AK2
	2A14	2014		2014	2014	AlCuSiMn	AK8
超硬铝	7A09	7175		7075	7075	AlZnMgCu1.5	V95P
铸 造 铝 合 金	ZAlSi7Mn	356.2	LM25	AC4C		G-AlSi7Mg	
	ZAlSi12	413.2	LM6	AC3A	A-S12-Y4	G-Al12	AL2
	ZAlSi5Cu1Mg	355.2					AL5
	ZAlSi2Cu2Mg1	413.0		AC8A		G-Al12(Cu)	
	ZAlCu5Mn						AL19
	ZAlCu5MnCdVA	201.0					
	ZAlMg10	520.2	LM10		AG11	G-AlMg10	AL8
	ZAlMg5Si					G-AlMg5Si	AL13