



Comparison Table for Common Iron & Steel Grades in China and Abroad (Section 3: Tool and Mould Steels)

Table 1 Approximate comparison for **Carbon Tool Steels**

Serial No.	China GB/T 1298-2008	Russian ГОСТ 1435-1999	Japan JIS G4401: 2001	U.S.A. ASTM A686:1992 (2004)	ISO ISO 4957: 1999	EU EN ISO 4957: 1999
1	T8 T00080	Y8	SK75	W1A-8 T72301	C80U	C80U 1.1525
2	T8Mn T01080	Y8Г	SK85	W1-C8 T72301	C90U	C90U 1.1830
3	T9 T00090	Y9	SK85	W1A-8 ¹ / ₂ T72301	C90U	C90U 1.1830
4	T10 T00100	Y10	SK95	W1A-9 ¹ / ₂ T72301	C105U	C105U 1.1554
5	T11 T00110	-	SK105	W1A-10 ¹ / ₂ T72301	C105U	C105U 1.1554
6	T12 T00120	Y12	SK120	W1A-11 ¹ / ₂ T72301	C120U	C120U 1.1563
7	T13	-	SK140	W1-C13 T72302	C120U	C120U 1.1563

**Table 2** Approximate comparison for **Alloy Tool and Mould Steels**

Serial No.	China GB/T 1299-2014	Russian ГОСТ 5950-2000	Japan JIS G4404: 2000	U.S.A. ASTM A681:2007	ISO ISO 4957: 1999	EU EN ISO 4957: 1999
1	W T30001	-	SKS21	F1 T60601	-	-
2	4CrW2Si	4XB2C	SKS41	S1 T41901	50WCrV8	50WCrV8
3	5CrW2Si	5XB2CΦ	SKS4	S1 T41901	50WCrV8	50WCrV8
4	6CrW2Si	6XB2C	SKS4	S1 T41901	60WCrV8	60WCrV8
5	Cr12 T21200	X12	SKD1	D3 T30403	X210Cr12	X210Cr12 1.2080
6	Cr12Mo1V T21202	X12MΦ	SKD10	D2 T30402	X153CrMoV12	X153CrMoV12 1.2379
7	Cr12MoV T21201	X12MΦ	SKD11	D2 T30402	X153CrMoV12	X153CrMoV12 1.2379
8	Cr5Mo1V	-	SKD12	A2 T30102	X100CrMoV51	X100CrMoV51 1.2363
9	9Mn2V T20000	-	-	02 T31502	90MnVCr8	90MnVCr8 1.2842
10	CrWMn T20111	XBΓ	SKS31	07 T31507	95MnWCr5	95MnWCr5
11	9CrWMn T20110	9XBΓ	SKS3	01 T31501	95MnWCr5	95MnWCr5
12	5CrNiMo T20103	5XHM	SKT4	L6 T61206	55NiCrMoV7	55NiCrMoV7 1.2713
13	3Cr2W8V T20280	3X2B8Φ	SKD5	H21 T20821	X30WCrV9-3	X30WCrV9-3 1.2581
14	4Cr3Mo3SiV T20303	3X3M3Φ	SKD7	H10 T20810	32CrMoV12-28	32CrMoV12-28 1.2365
15	4Cr5MoSiV T20501	4X5MΦC	SKD6	H11 T20811	X37CrMoV5-1	X37CrMoV5-1 1.2343
16	4Cr5MoSiV1 T20502	4X5MΦ1C	SKD61	H13 T20813	X40CrMoV5-1	X40CrMoV5-1 1.2344
17	3Cr2Mo T22020	-	-	P20 T51620	35CrMo7	35CrMo7
18	35Cr2MnNiMo T22024	-	-	-	40CrMnNiMo8-6- 4	40CrMnNiMo8-6 -4



Table 3 Approximate comparison for **High-speed Tool Steels**

Serial No.	China GB/T 9943-2008	Russian ГОСТ 19265-1973	Japan JIS G4403: 2000	U.S.A. ASTM A600:1992 (2004)	ISO ISO 4957: 1999	EU EN ISO 4957: 1999
1	W3Mo3Cr4V2 T63342	11P3AM3Φ2	-	-	HS3-3-2	HS3-3-2
2	W18Cr4V T51841	P18	SKH2	T1 T12001	HS18-0-1	HS18-0-1
3	W2Mo8Cr4V T62841	-	SKH50	M1 T11301	HS1-8-1	HS1-8-1
4	W2Mo9Cr4V2 T62942	-	SKH58	M7 T11307	HS2-9-2	HS2-9-2
5	W6Mo5Cr4V2 T66541	P6M5	SKH51	M2 T11302	HS6-5-2	HS6-5-2
6	CW6Mo5Cr4V2 T66542	P6M5Φ3	SKH51	M2(High carbon) T11302	HS6-5-2C	HS6-5-2C
7	W6Mo6Cr4V2 T66642	-	SKH52	-	HS6-6-2	HS6-6-2
8	W6Mo5Cr4V3 T66543	P6M5Φ3	SKH53	M3 T11313	HS6-5-3	HS6-5-3
9	CW6Mo5Cr4V3 T66545	P6M5Φ3	SKH53	M3(High carbon) T11323	HS6-5-3C	HS6-5-3C
10	W6Mo5Cr4V4 T66544	-	SKH54	-	HS6-5-4	HS6-5-4
11	W12Cr4V5Co5 T71245	P10K5Φ5	SKH10	T15 T12015	-	-
12	W6Mo5Cr4V2Co5 T76545	P6M5K5	SKH55	-	HS6-5-2-5	HS6-5-2-5
13	W6Mo5Cr4V3Co8 T76438	-	SKH56	M36 T11336	HS6-5-3-8	HS6-5-2-5
14	W7Mo4Cr4V2Co5 T77445	-	SKH55	M41 T11341	-	-
15	W2Mo9Cr4VCo8 T72948	P2AM9K5	SKH59	M42 T11342	HS2-9-1-8	HS2-9-1-8
16	W10Mo4Cr4V3- Co10 T71010	-	SKH57	M48	HS10-4-3-10	HS10-4-3-10