

## PRODUCT SPECIFICATIONS OF COLD WORK TOOL STEEL

AISI/ ASTM	MATERIAL			CHEMISTRY									HEAT TREATMENT DETAILS					
	EN	DIN	JIS	C	SI	Mn	P	S	Cr	W	Mo	V	Annealing (Slow Cooling)	Quenchant (Hot Bath)	Quenching	Tempering (Air Cooling)	Annealed (HB) - Max	Quenched (Hrc) Tempered
D3	X210Cr12	1.2080	SKD1	2	0.25	0.45	0.03	0.01	12				830-880	OIL/AIR	930-980	150-200	248	61
D2	X155Cr Vmo V12.1	1.2379	SKD11	1.55	0.25	0.35	0.03	0.01	12		0.9	0.9	800-850	AIR/OIL	980-1030	150-200	248	60
O1	100MnCrW4	1.2510	SKS3	0.95	0.25	1.1	0.03	0.01	0.6	0.6	0.1		750-780	OIL	800-850	150-200	220	60
S1	60WCrV7	1.2550		0.6	0.6	0.3	0.03	0.01	1.1	2		0.2	710-750	OIL	780-820	150-200	225	58
O2	90MnCrV8	1.2842		0.9	0.25	2	0.03	0.01	0.4			0.1	680-720	OIL	790-820	150-200	220	56