Ezhou Gangxing Industry & Trade

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Material classification	Material Quality					chemical composition%											Specification(mm)			Application
	GB	ASTM/AISI	JIS	DIN	ASSAB	C	Si	Mn	Cr	Mo	V	Nb	Ni	W	P	S	Round Bar	Flat plate Wide	Flat plate Thick	
	Cr12	D3		1.2080		2.00-2.30	≤0.40	≤0.40	11.50-13.0						≤0.030	≤0.030	¢60-460	620	250	For making stamping die,complex shape of punch and die of high strength and high wear resistant
	Cr12MoV					1.45-1.70	≤0.40	≤0.40	11.00-12.5	0.40-0.60	0.15-0.30				≤0.030	≤0.030	¢60-460	620	250	For the making of high precision stamping die, mold clay, cutting die and thermosetting plastics molding mould etc.
	Cr12Mo1V1	D2	SKD11	1.2379	XW-42	1.40-1.60	≤0.60	≤0.60	11.00-13.0	0.70-1.20	0.50-1.10				≤0.030	≤0.030	¢60-460	620	250	For making of highly yieldedcold extrusion die, tensile modulus, ceramic mold, mold and other board
Cold	Cr5Mo1V	A2			XW-10	0.95-1.50	≤0.50	≤1.00	4.75-5.50	0.90-1.40	0.15-0.50				≤0.030	≤0.030	¢60-460	620	250	For making of molding die,cold punching die,blanking die etc with good tenacity and abrasion resistance.
Working	CrWMn					0.95-1.50	0.15-0.35	0.80-1.10	0.90-1.20					1.20-1.60	≤0.030	≤0.030	¢60-460	620	250	For the making of small deformation, long and complex shape of the cutting tool
Tool	9Mn2V				DF-2	0.89-0.95	≤0.40	1.70-2.00			0.10-0.25				≤0.030	≤0.030	¢60-460	620	250	For making of all sorts of small deformation, super abrasion resistant high precision model, Gauge Block, measuring appratus etc.
Steel	9Cr8Mo2VSi		DC53			0.90-1.05	0.80-1.10	0.20-0.50	7.50-8.50	1.80-2.10	0.15-0.35				≤0.030	≤0.025	¢60-460	620	250	For making of high abrasion resistant,high hardness and high tenacity of the cold stamping mould.
	7Cr7Mo3V2Si					0.70-0.80	0.70-1.20	≤0.50	6.50-7.50	2.00-3.00	1.70-2.20				≤0.030	≤0.030	¢60-460	620	250	For making cold extrusion, cold heading and cold blunt mould under high load
	6CrW2Si					0.55-0.65	0.50-0.80	≤0.40	1.00-1.30					2.20-2.70	≤0.030	≤0.030	¢60-460	620	250	For making scissors, punch biopsy and punchs of screws and hot rivet under thermal processing
	4Cr5MoSiV1	H13	SKD61	1.2344	8407	0.32-0.45	0.80-1.20	0.20-0.50	4.75-5.50	1.10-1.75	0.80-1.20				≤0.030	≤0.030	¢60-460	620	250	widely used in aluminum alloy casting mould and extruding mold,die casting, forging die and thermal cutting blade etc.
	3Cr2W8V	H21	SKD5	1.2581		0.30-0.40	≤0.40	≤0.40	2.20-2.70	7.50-9.00	0.20-0.50				≤0.030	≤0.030	¢60-460	620	250	For making punch and die that is under high temperature and stress without shock load,high temperature thermal cut pieces
	3Cr3Mo3W2V	HM1				0.32-0.42	0.60-0.90	≤0.65	2.80-3.30	2.50-3.00	0.80-1.20			1.20-1.80	≤0.030	≤0.030	¢60-460	620	250	For copper alloy die-casting mold, hot mold etc.
Hot	4Cr3Mo2NiVNbB	HD2				0.35-0.45	≤0.40	≤0.40	2.20-3.20	1.80-2.30	1.00-1.40	0.15-0.35	0.80-1.30		≤0.030	≤0.030	¢60-460	620	250	For plastic molding and alloy die-casting mold such as tin, lead, zinc alloy
Working	5Cr2NiMoVSi					0.46-0.53	0.50-0.80	0.40-0.60	1.54-2.00	0.80-1.20	0.30-0.50		0.80-1.20		≤0.030	≤0.030	¢60-460	620	250	For press machine used mold, automobile front beam mold, hammer forging die and hot-forged die
Tool	4Cr5W2VSi					0.32-0.42	0.80-1.20	≤0.40	4.50-5.50		0.60-1.00			1.60-2.40	≤0.030	≤0.030	¢60-460	620	250	For making thermal extrusion die,upsetting hot mold, precision forging die and non-ferrous metal casting
Steel	5CrMnMo	6G	SKT3	1.2311		0.50-0.60	0.25-0.60	1.20-1.60	0.60-0.90	0.15-0.30					≤0.030	≤0.030	¢60-460	620	250	For making die cast such as zinc, magnesium, aluminum, hot pressing die,forging die,plastic mould etc.
	5CrNiMo	L6	SKT4	1.2713	2550	0.40-0.60	≤0.40	0.50-0.80	0.50-0.80	0.15-0.30			1.40-1.80		≤0.030	≤0.030	¢60-460	620	250	For making large hammer forging die with complex shape and high shock load
	4Cr5Mo2MnVSi	Y10				0.30-0.40	0.80-1.20	0.90-2.00	4.50-5.50	0.90-2.10	0.80-1.10				≤0.030	≤0.030	¢60-460	620	250	For making aluminum alloy extrusion die
	2-4Cr13 serial																			
Plastic	4Cr13MoV					0.35-0.45	0.40-1.00	0.20-0.70	13.0-14.50	0.10-0.25	0.15-0.40				≤0.030	≤0.015	¢60-460	620	250	For making the plastic mold with certain intensity and large cross-section,corrosion resistance and high precision mold.
Mould	3Cr17NiMo			1.2316		0.30-0.40	≤1.00	≤1.00	16.0-17.5	0.80-1.30			0.60-1.00		≤0.020	≤0.020	¢60-460	620	250	For making high acidity resistant mold, high corrosion resistant and mirror polishing mold.
Steel	3Cr2NiMnMo					0.32-0.40	0.20-0.80	1.10-1.50	1.70-2.00	0.25-0.40			0.85-1.15		≤0.030	≤0.030	¢60-460	620	250	For making large plastic mold or with complex cavity
	10-30CrNi2-serial																			