					Cr12Mo1V1				
Steel:	1.2379								
Correspondin g Steel	1				Che	emical Composit	ion(%)		
Grade and Chemical		/Steel Grade	С	Si	Mn	Cr	Мо	V	Со
Composition	GB	Cr12Mo1V1	1.40 ~ 1.60	≤ 0.60	≤ 0.60	11.00 ~ 13.00	0.70 ~ 1.20	0.50~ 1.10	≤ 1.00
	AISI	D2	1.40 ~ 1.60	0.10~ 0.60	0.10~ 0.60	11.00 ~ 13.00	0.70 ~ 1.20	0.50~ 1.10	
	DIN	1.2379	1.45 ~ 1.60	0.10~ 0.60	0.20~ 0.60	11.00 ~ 13.00	0.70 ~ 1.00	0.70~ 1.00	
	JIS	SKD11	1.40 ~ 1.60	≤ 0.40	≤ 0.60	11.00 ~ 13.00	0.80 ~ 1.20	0.20~0.50	

Brief D2 is a versatile high-carbon, high-chromium, air-hardening tool steel that is characterized by a relatively high attainable hardness and numerous, Introduction: large, chromiumrich alloy carbides in the microstructure. These carbides provide good resistance to wear from sliding contact with other metals and abrasive materials. Although other steels with improved toughness or improved wear resistance are available, D2 provides an effective combination of wear resistance and toughness, tool performance, price, and a wide variety of product forms.Widely application including rolls, punches, dies for blanking,forming, trimming, and thread rolling, shear knives, food-processing knives, and gages.Application for easy cuttings, shaft knives, circular saw, stamping dies, rolls, punches, milling tool, molds for plastic materials, etc.

Shape & Forged Products:

Dimension: Round: 60mm-400mm Flat: 40-240mm*100-610mm

Rolled Products:

Round: 8mm-50mm Flat: 12-60mm*205-610mm

Delivery

Condition: Forged / Rolled, Annealed, Turned/Milled

Note:

					9CrWMn								
Steel:	9CrWMn												
Correspondin g Steel					Cher	mical Composit	tion(%)						
Grade and Chemical	Standard/	'Steel Grade	С	Si	Mn	Cr	W	Nb	V				
Composition	GB	9CrWMn	0.85 ~ 0.95	≤ 0.40	0.90 ~ 1.20	0.50 ~ 0.80	0.50 ~ 0.80	0.20~0.35					
	AISI	O1	0.85 ~ 1.00	0.10~0.50	1.00~1.40	0.40~0.70	0.40~0.60		≤0.30				
	DIN	95MnWCr5	0.90~1.00	0.10~0.40	1.05 ~ 1.35	0.40~0.65	0.40~0.70		0.05 ~ 0.20				
	JIS	SKS3	0.90~1.00	≤ 0.35	0.90 ~ 1.20	0.50 ~ 1.00	0.50 ~ 1.00						
Brief Introduction:	Brief												
Shape & Dimension: Delivery Condition:													
Note:													

					9Mn2V					
Steel:	1.2842									
Correspondin g Steel					Chei	nical Composition	on(%)			
Grade and Chemical	Standard/S	Steel Grade	С	Si	Mn	V	Со	Cr	Мо	
Composition	GB	9Mn2V	0.85 ~ 0.95	≤ 0.40	1.70 ~ 2.00	0.10 ~ 0.25	≤1.00			
	AISI	02	0.85 ~ 0.95	≤ 0.50	1.40~1.80	≤0.3		≤0.50	≤0.30	
	DIN	1.2842	0.85 ~ 0.95	0.10~0.40	1.80~2.20	0.05~0.20		0.20~0.50		
	JIS	-								
Brief Introduction:	deformation af	ter hardening.	Suitable for proc	duct small-sca	le cold-workin	g die, particularl	ly the various	resistance, good requirements for inding spindle and	r small deformati	d little ion, high-
Shape & Dimension:	Forged:									
	Roun: 60mm-	360mm; Flat:	30-240mm*150)-510mm						
	Rolled:									
	Round: 8mm-	50mm; Flat:	12-60mm*205-6	10mm						
Delivery Condition:	Forged/Rolled,	Annealed, Tur	ned/Milled							
Note:										

					W					
Steel: Correspondin g Steel					Chemical C	Composition(%)				
Grade and Chemical	Standard/S	teel Grade	С	Si	Mn	Cr	W	V		
Composition	GB	W	1.05 ~ 1.25	≤ 0.40	≤ 0.40	0.10 ~ 0.30	0.80 ~ 1.20			
	AISI	F1	0.95~1.25	0.10~0.50	≤ 0.50		1.00~1.75			
	DIN	-								
	JIS	SKS21	1.00~1.10	≤ 0.35	≤ 0.50	0.20~0.50	0.50~1.00	0.10~0.25		
			•			-	-		ce.1.lt is mainly use cutting tools, twist	
Shape & Dimension:	1									
Delivery Condition:	,									
Note:										

					CrWMn					
Steel: C	rWMn									
Correspondin g Steel						Chemical Co	omposition(%)			
Grade and Chemical	Standard/St	teel Grade	С	Si	Mn	Cr	Мо	W	Р	S
Composition	GB AISI DIN	CrWMn - -	0.90 ~ 1.05	≤ 0.40	0.80 ~ 1.10	0.90 ~ 1.20	1.20~ 1.60	1.20~1.60	≤ 0.030	≤ 0.030
	JIS	SKS31	0.90 ~ 1.05	≤0.35	0.90 ~ 1.20	0.80 ~ 1.20		1.00~1.50	≤ 0.030	≤ 0.030
Introduction: w			king tools, knowi measuring die, lik	-						

					5CrW2Si								
Steel:	5CrW2Si												
Correspondin g Steel		Chemical Composition(%)											
Grade and Chemical	Standard/	Steel Grade	С	Si	Mn	Cr	W	V	Мо				
Composition	GB	5CrW2Si	0.45 ~ 0.55	0.50 ~ 0.80	≤ 0.40	1.00 ~ 1.30	2.00 ~ 2.50						
	AISI	S1	0.40 ~ 0.55	0.15~1.20	0.10~0.40	1.00 ~ 1.80	1.50~3.00	0.15~0.30	≤ 0.50				
	DIN	50WCrV8	0.45 ~ 0.55	0.70~1.00	0.15~0.45	0.90~1.20	1.70~2.20	0.10~0.20					
	JIS	-											
Brief	It is a mediun	n-carbon steel v	vhich combines	moderate har	dness with go	od impact toug	hness. It is a de	eep-hardening, d	oil-hardening steel designed				
Introduction:	for shock and	l impact loading	applications.T					hear blades, mai	ndrels, heavy- duty punches,				
				sta	amping dies, a	nd machine pa	rts.						
Shape &													
Dimension:													
Delivery Condition:													
Note:													

					Cr2				
Steel:	Cr2								
Correspondin g Steel					Chemical Co	omposition(%)			
Grade and Chemical	Standard/S	teel Grade	С	Si	Mn	Cr	Со	V	
Composition	GB	Cr2	0.95 ~ 1.10	≤ 0.40	≤ 0.40	1.30 ~ 1.65	≤ 1.00		
	AISI	L3	0.95 ~ 1.10	0.10~0.50	0.25~0.80	1.30 ~ 1.70		0.10~0.30	
	DIN	102Cr6	0.95 ~ 1.10	0.15~0.35	0.25~0.45	1.35~1.65			
	JIS	SUJ2	0.95 ~ 1.10	0.15~0.35	≤ 0.50	1.30 ~ 1.60			
Introduction:	excellent tool p carbon tool ste	erformance a el.Typical app d sample colu	nd excellent dim lications include mns, etc. It can a	ensional stabi measuring too	lity in heat trea ols, such as ten	atment.Its harde oplates, card boa	nability, hard ard, sample se	ness and wear resis [.] ets of gauge block <u>c</u>	el that is characterized by tace is higher than that of gauge, ring gauge, thread upsetting, as well as to cut

Shape &
Delivery
Delivery Condition:
Note:

					Cr12					
Steel:	1.208									
Correspondin g Steel					Chemical C	omposition(%)				
Grade and Chemical	Standard/S	Steel Grade	С	Si	Mn	Cr	V	W		
Composition	GB	Cr12	2.00 ~ 2.30	≤ 0.40	≤ 0.40	11.50 ~ 13.00				
	AISI	D3	2.00 ~ 2.35	0.10~0.60	0.10~0.60	11.00 ~ 13.50	≤ 1.00	≤ 1.00		
	DIN	1.208	1.90~2.20	0.10~0.60	0.20~0.60	11.00 ~ 13.00				
	JIS	SKD1	1.90~2.20	0.10~0.60	0.20~0.60	11.00 ~ 13.00				
Shape & Dimension:	It is a high-cark chromium-rich abrasive mater Forged: Round: 60mm Rolled:	alloy carbides ials. Widely ap -360mm; Flat	in the microstru	ucture. These c ng forming rol 50-510mm	arbides provi	de good resistand	ce to wear fro	ainable hardness a m sliding contact on tooling, and lar	with other metals	-
Delivery Condition:	Forged/Rolled,	Annealed, Tu	rned/Milled							
Note:										

					Cr5Mo1V					
Steel: Correspondi g Steel	n				Chemical Co	omposition(%)				
Grade an Chemical	d Standard	l/Steel Grade	С	Si	Mn	Мо	Cr	V		
Compositio	n GB	Cr5Mo1V	0.95 ~ 1.05	≤ 0.50	≤ 1.00	0.90 ~ 1.40	4.75 ~ 5.50	0.15 ~ 0.50		
	AISI	A2	0.95 ~ 1.05	0.10~ 0.50	0.40~ 1.00	0.90 ~ 1.40	4.75 ~ 5.50	0.15 ~ 0.50		
	DIN	1.2363	0.95 ~ 1.05	0.10~0.40	0.40~0.80	0.90 ~ 1.20	4.80 ~ 5.50	0.15 ~ 0.35		
	JIS	SKD12	0.95 ~ 1.05	0.10~0.40	0.40~0.80	0.90 ~ 1.20	4.80~5.50	0.15 ~ 0.35		
Brie Introduction	It is a versati effective con	nbination of strer	ngth and tough	ness, tool perf	ormance, price	e, and a wide va	riety of produc	t forms.Widely a	eat treatment.lt p application includi ial knives,and gag	ng
Shape of Sha	Round 60m	ım-360mm; Flat	: 30-240mm*1	50-510mm						
Deliver Condition		ealed, Turned/Mi	lled							
Note										

					Cr12Mo1V1									
Steel:									1.2379					
Correspondin g Steel					Che	emical Compositi	on(%)							
Grade and Chemical	Standard/	Steel Grade	С	Si	Mn	Cr	Мо	V	Со					
Composition	GB	Cr12Mo1V1	1.40 ~ 1.60	≤ 0.60	≤ 0.60	11.00 ~ 13.00	0.70 ~ 1.20	0.50~ 1.10	≤ 1.00					
	AISI	D2	1.40 ~ 1.60	0.10~ 0.60	0.10~ 0.60	11.00 ~ 13.00	0.70 ~ 1.20	0.50~ 1.10						
	DIN	1.2379	1.45 ~ 1.60	0.10~ 0.60	0.20~ 0.60	11.00 ~ 13.00	0.70 ~ 1.00	0.70~ 1.00						
	JIS	SKD11	1.40 ~ 1.60	≤ 0.40	≤ 0.60	11.00 ~ 13.00	0.80 ~ 1.20	0.20~0.50						
	large, chromiu abrasive mate of wear resista blanking,form	22 is a versatile high-carbon, high-chromium, air-hardening tool steel that is characterized by a relatively high attainable hardness and numerous, arge, chromiumrich alloy carbides in the microstructure. These carbides provide good resistance to wear from sliding contact with other metals and brasive materials. Although other steels with improved toughness or improved wear resistance are available, D2 provides an effective combination of wear resistance and toughness, tool performance, price, and a wide variety of product forms.Widely application including rolls, punches, dies for lanking,forming, trimming, and thread rolling, shear knives, food-processing knives, and gages.Application for easy cuttings, shaft knives, circular aw, stamping dies, rolls, punches, milling tool, molds for plastic materials, etc.												
	Forged Produe													
Dimension:	Round: 60mm	-400mm Flat: 40	-240mm*100-0	510mm										
	Rolled Produc													
		50mm Flat: 12-6	0mm*205-610	mm										
Delivery Condition:		ged / Rolled, Annealed, Turned/Milled												
Note:														

Steel:	1.2436												
Correspondir	1				Chemical Co	emposition(%)							
g Steel					chemical co								
Grade and Chemical	l Standard/Steel Grade	С	Si	Mn	Cr	W							
Composition :	DIN EN ISO 1.2436(X210 4957 CrW12)	1.90~2.20	0.10~0.60	0.20~0.60	11.00~13.00	0.60~0.80							
Brie Introduction:	f Ledeburitic 12% chrome steel ,excellent wear resistance due to the high volume of hard carbides in the steel matrix, high surface hardness after heat treatment, medium toughness, dimensionally stable, high compressive strength, similar to AISI D6. Application: Cutting tools for high wear resistance, rolls with high dimensional stability, tool for wire bar and tube production, cold shear blades for thin sheets.												
Shape 8	Forged Products:												
Dimension:	Round: 60mm-360mm Flat: 30	-240mm*150-	510mm										
		0mm*205-610	mm										
Delivery Condition:	Forged / Rolled, Annealed, Tur	Round: 8mm-50mm Flat: 12-60mm*205-610mm Forged / Rolled, Annealed, Turned/Milled											
Note:													