

Comparison of Tool Steel Brands

Cold Work Tool Steel

Prepared November 2010

Category	Daido Steel	JIS	AISI	DIN
Carbon tool steel	YK3	SK105	W1-10	
Alloy Tool Steel	YK30	SKS93		
	GOA	SKS3		
	DC1	SKD1	D3	
	DC11	SKD11	D2	
	DC53			
		Medium CrSKD		
	DC12	SKD12	A2	
	GO40F	Pre-hardened 40 HRC		
		Pre-hardened 50 HRD & higher		
	GO5	Flame hardened steel		
	GO4	Low-temperature air cooled steel		
	GS5	Shock resistant steel		
High-Speed Tool Steel	DCMX	Other		
	MH51	SKH51	M2	
		SKH51 type		
	MH55	SKH55 type		
	MH8	SKH57 type		
	DRM1 DRM2 DRM3	Matrix type		
Powder High-Speed Tool Steel	DEX40	SKH40		
	DEX-M1 DEX-M3	Matrix type		
	DEX20 DEX60	Other		

Hot Work Tool Steel

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Category	Daido Steel	JIS	AISI	DIN
Alloy Tool Steel	DH4	SKD4		
	DH5	SKD5	H21	
	DH6	SKD6	H11	
	DHA DHA1	SKD61	H13	
	DHA2 DH21 DHA-WORLD	SKD61 (revised)		
	DH31-S DH31-EX			
	DH62	SKD62	H12	
	DH72	SKD7	H10	
	DH32 DH71 DH73	SKD7 (revised)		
	DH41	SKD8	H19	
	DH42	SKD8 (revised)		
	GFA	SKT4		
	GF78	SKD4 (revised)		
	DH76	Precipitation hardened steel		
	DH2F	Other		
	DHA-Thermo			
High-Speed Tool Steel	DRM1 DRM2	Matrix type		

Plastic Mold Steel

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Category		Daido Steel	JIS	AISI	DIN
Pre-hardened Steel	13		SC type	1055	
	28	PDS3	SCM type	4140	
	33	PX5	SCM (revised)	P20	
		S-STAR D-STAR	SUS type	420	
		G-STAR	SUS type (free cutting)		
	35	NAK101		S17400	
	40	DH2F		H13	
		NAK55 NAK80		P21	
				P21 (rust resistant)	
Quenched & Tempered Steel	60	PD613		D2	
	57	SUS440C		440C	
	52	S-STAR D-STAR G-STAR			
Age-treated Steel	50 & higher	MAS1C			
	40				

High-Speed Tool Steel

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Category	Daido Steel	JIS	AISI	DIN
Tungsten Steel	WH2	SKH2	T1	
	WH3	SKH3	T4	
	WH4	SKH4	T5	
	VH10	SKH10	T15	
Molybdenum Steel	MH51	SKH51	M2	
	MH52	SKH52	M3-1	
	MH53	SKH53	M3-2	
	MH54	SKH54	M4	
	MH55	SKH55		
	MH56	SKH56	M36	
	MH8, MH57	SKH57		
	MH7	SKH58	M7	
	MH59	SKH59	M42	
	MH64 MH69	Other		
Matrix Type Steel	DRM1 DRM2 DRM3	Matrix type		
Powder Metallurgy High-Speed Tool Steel	DEX40	SKH40		
	DEX20 DEX60 DEX61 DEX-M1 DEX-M3	Other		