

GRADE CLASSIFICATION

MATERIALS TO BE MACHINED	CODE		GRADE														
			Uncoated		Micrograin Uncoated	Cermet		Coated CVD			Coated PVD						
			SF30	X44	GH1	CN25	CN35	MP91M	PFZ	X500	SP1032	SP1064	SP4036	SP6564	SFZ		
Unalloyed and Alloyed Steel	C8	P01															
		P05															
		P10															
		P15															
		P20															
C7	P25																
	P30																
C6	P35																
	P40																
C5	P50																
Stainless Steel	M05	M10															
		M15															
		M20															
		M30															
		M35															
		M40															
Cast Iron	C4	K01															
		K05															
	C3	K10															
		K15															
	C2	K20															
		K25															
	C1	K30															
		K35															
K40																	
Nonferrous materials	N01	N05															
		N10															
		N15															
		N20															
		N25															
		N30															
High temperature alloys	S01	S05															
		S10															
		S15															
		S20															
		S25															
		S30															
Hard materials: Hardened steel, hardened cast iron materials, chilled cast iron.	H01	H05															
		H10															
		H15															
		H20															
		H25															
		H30															

Star Guide Key to Recommended Tools

Material Designations				
	P ◆ Unalloyed Steels	M ◆ Stainless Steels	K ◆ Cast Irons	S ◆ High Temp. Alloys
	P ◆ Alloyed Steels	M ◆ PH Stainless	N ◆ Aluminum & Alloys	H ◆ Hard Materials