

ISO Turning Grade

Classification Chart

Optimum Grade Performance

ISO Grade Classification											
Groups	Materials	Code	CVD Grades					PVD Grades		Uncoated Grade GH1	Whisker Ceramic SA6609
			NL200	NL250	NL300	NL400	NL920	SP0819	SP4019		
P	Unalloyed and Alloyed Steels	P01									
		P05									
		P10									
		P15									
		P20									
		P25									
		P30									
		P35									
		P40									
		P50									
M	Stainless Steels	M01									
		M05									
		M10									
		M15									
		M20									
		M25									
		M30									
		M35									
		M40									
		M40									
K	Cast Irons	K01									
		K05									
		K10									
		K15									
		K20									
		K25									
		K30									
		K35									
		K40									
		K40									
N	Aluminum & Alloys	N01									
		N05									
		N10									
		N15									
		N20									
		N25									
		N30									
		N30									
S	High Temperature Alloys	S01									
		S05									
		S10									
		S15									
		S20									
		S25									
		S30									
		S30									
H	Hard Materials	H01									
		H05									
		H10									
		H15									
		H20									
		H25									
		H30									
		H30									

Increasing cutting speed
 Increasing wear resistance - Increasing feed
 Increasing shock resistance
 Increasing shock resistance
 Increasing shock resistance
 Increasing shock resistance

Material Guide – Key to Recommended Inserts

Material Designation

- Unalloyed Steels
- Alloyed Steels
- Stainless Steels
- PH Stainless
- Cast Irons
- Aluminum & Alloys
- High Temp. Alloys
- Hard Materials