

TaeguTec Grade Chart



Based on Applications (Coated)

Application	Grade	ISO Range		Harder ↑ Tougher ↓
		P M K N S H		
Turning	TT7005	K01-K15		Harder ↑ Tougher ↓
	TT7015	K10-K25		
	TT8105	P01-P15		
	TT8115	P05-P20		
	TT9215	M05-M20	S05-S20	
	TT5080	M05-M25	S05-S25	
	TT8125	P15-P30		
	TT5100	P20-P35		
	TT9225	M15-M30	S15-S30	
	TT9020	P20-M40	M20-M40	
	TT9080	M20-M40	S20-S40	
	TT8135	P25-P40		
	TT7100	P30-P45		
	TT9235	M25-M40	S25-S40	
TT8020	P30-P50	M30-M50 S30-S50		
Milling	TT2510	P05-P25	H05-H25	Harder ↑ Tougher ↓
	TT6800	P10-P25	K10-K25	
	TT6080	K05-K25	H05-H25	
	TT7080	P05-P25	K05-K25	
	TT9080	P20-P40	M20-M40 S20-S40	
	TT9030	P20-P40	M20-M40 S20-S40	
	TT7800	P30-P45	M30-M45	
	TT8080	P30-P50	M30-M50 S30-S50	
TT8020	P30-P50	M30-M50 S30-S50		
Parting & Grooving	TT6300	K01-K15		Harder ↑ Tougher ↓
	TT6080	K05-K25	H05-H25	
	TT5100	P20-P35	M20-M35	
	TT9080	P20-P40	M20-M40 S20-S40	
	TT7220	P25-P45	M25-M45	
	TT8020	P30-P50	M30-M50 S30-S50	
Holemaking	TT6080	K05-K25	H05-H25	Harder ↑ Tougher ↓
	TT9300	P10-P25		
	TT7400	P10-P25		
	TT9080	P20-P40	M20-M40 S20-S40	
	TT9030	P20-P40	M20-M40 S20-S40	
	TT8020	P30-P50	M30-M50 S30-S50	
Threading	TT7010	P05-P25	K05-K25	Harder ↑ Tougher ↓
	TT9030	P20-P40	M20-M40 S20-S40	
	TT8010	P30-P50	M30-M50 S30-S50	
Solid Carbide End Mill & FINEBALL	TT5505	P05-P25	H05-H25	Harder ↑ Tougher ↓
	TT5515	P10-P30	M10-M30	
		K10-K30	S10-S30	
	TT5525	P20-P40	M20-M40 S20-S40	
TT9020	M20-M40			

Based on Grades

Grade	ISO Range	Application						Workpiece Material and Application
		Turning	Milling	Parting & Grooving	Holemaking	Threading	End Milling / FINEBALL	
TT5100	P20 - P35 M20 - M35	●						Medium turning of low carbon steel and alloy steel
TT6300	K01-K15							Medium & low speed machining of stainless steel
TT6800	K10 - K25 P10 - P25							High speed turning & grooving of cast iron
TT7005	BLACK - RUSH K01 - K15	●						High speed milling of gray and ductile cast iron
TT7015	BLACK - RUSH K10 - K25	●						High speed continuous turning for gray and ductile cast iron
TT7100	P30 - P45	●						General, continuous and interrupted turning of gray and ductile cast iron
TT7400	P10 - P25				●			Interrupted and rough turning of steel
TT7800	P30 - P45 M30 - M45		●					High speed drilling of carbon steel and alloy steel
TT8105	Life+ P01 - P15	●						Rough milling of carbon & alloy steel
TT8115	Life+ P05 - P20	●						Medium speed milling of stainless steel
TT8125	Life+ P15 - P30	●						High speed continuous turning of steel
TT8135	Life+ P25 - P40	●						High speed turning of steel
TT9215	M05 - M20 S05 - S20	●						General turning of steel
TT9225	M15 - M30 S15 - S30	●						Heavy interrupted turning of steel. Improved higher toughness and superior fracture resistance
TT9235	M25 - M40 S25 - S40	●						High speed turning of stainless steel
TT9300	P10 - P25				●			High & medium speed machining of heat-resistant alloy
TT2510	P05 - P25 H05 - H25		●					General turning of stainless steel
TT5080	M05 - M25 S05 - S25	●						Medium speed machining of heat-resistant alloy
TT5505	P05 - P25 H05 - H25					●		Low speed and interrupted turning of stainless steel
TT5515	P10 - P30 M10 - M30 K10 - K30 S10 - S30 H10 - H30					●		Low speed machining of heat-resistant alloy
TT5525	P20 - P40 M20 - M40 S20 - S40					●		High speed drilling of carbon & alloy steel
TT6080	K05 - K25 H05 - H25		●	●	●			High speed milling of steel
TT7010	P05 - P25 K05 - K25					●		High speed milling of hardened steel
TT7080	P05 - P25 K05 - K25		●					High speed finish turning of stainless steel
TT7220	P25 - P45 M25 - M45			●				High speed turning of heat-resistant alloy
TT8010	P30 - P50 M30 - M50 S30 - S50					●		High speed milling of steel
TT8020	P30 - P50 M30 - M50 S30 - S50	●	●	●	●			High speed milling of hardened steel
TT8080	P30 - P50 M30 - M50 S30 - S50	●	●	●	●			High speed milling of stainless steel
TT9020	P20 - P40 M20 - M40	●					●	High speed milling of heat-resistant alloy
TT9030	P20 - P40 M20 - M40 S20 - S40	●	●	●	●			General machining for gray and ductile cast iron
TT9080	P20 - P40 M20 - M40 S20 - S40	●	●	●	●			Finish and medium machining of hardened steel
K10	K05 - K15 N05 - N15 S05 - S15	●	●	●	●			Threading of steel
P30	P25 - P35	●	●					Threading of cast iron
UF10	M25 - M35 N25 - N35						●	General milling of steel
PV3010	P05 - P20 M05 - M20 K05 - K20	●	●	●				Heavy interrupted cutting of cast iron
PV3030	P05 - P20 M05 - M20 K05 - K20	●	●	●				Parting, grooving, turn grooving & drilling of steel
CT3000	P10 - P20 M10 - M20 K10 - K20	●	●	●				Parting, grooving, turn grooving & drilling of stainless steel
CT7000	P15 - P25 M15 - M25	●	●					For a wide range of threading on low carbon steel & low carbon alloy steel
AB2010	PVD H01 - H10	●						For a wide range of threading on stainless steel & exotic materials
SC10	CVD K20 - K30	●						Toughest grade in threading product line
AW120	K01 - K10	●						Interrupted and rough machining of steel
AB20	H01 - H10	●						Interrupted and rough machining of stainless steel
AB30	K05 - K15 H05 - H15	●		●				Low speed and interrupted machining of heat-resistant alloy
AS500	K10 - K20	●	●	●				Interrupted and rough machining of steel
AS10	K20 - K30	●	●	●				Interrupted and rough machining of stainless steel
AS20	S05 - S20	●	●					Low speed and interrupted machining of heat-resistant alloy
TC430	S01 - S15	●	●	●				For small parts turning on steel
TB610	H01 - H10	●	●					General machining of stainless steel
TB650	H10 - H20	●	●					General machining of steel
TB670	H15 - H25	●	●					General machining of stainless steel
TB730	K15 - K25 S05 - S20	●	●	●				General machining of heat-resistant alloy
KB90	K15 - K25 S05 - S20	●	●	●				General machining of steel
KB90A	K10 - K25	●	●	●				General machining of stainless steel
TD810	N01 - N10	●	●	●				General machining of heat-resistant alloy
KP500	N05 - N15	●	●	●				For general machining of cast iron
KP300	N10 - N20	●	●	●				Severe interrupted turning of heat-resistant alloy
KP100	N20 - N30	●	●	●				High speed machining of cast iron

Notice:
This is a standardised classification chart designed for user convenience. In real world conditions performance may vary due to machine, workpiece, working conditions as well as other environmental factors. It is recommended to co-ordinate the concerned application with representative TaeguTec technical staff.



It Just Gets Better



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