

# MILLING INSERTS

## Milling Inserts with Hole

### Usage Classification

- ★ Roughing / 1st Choice
- ☆ Roughing / 2nd Choice
- Finishing / 1st Choice
- Finishing / 2nd Choice (Hardness Under 45HRC)

<b>P</b>	Free-Cutting Steel	■			★	★		☆				
	Carbon/Alloy Steel	■			★	★		☆				
<b>M</b>	Austenitic Stainless Steel				★			☆				
	Martensitic Stainless Steel		★		☆							
	Precipitation Hardened Stainless Steel				★							
<b>K</b>	Gray Cast Iron								★			
	Nodular Cast Iron								★			
<b>N</b>	Non-ferrous Metals										★	☆
	Heat-Resistant Alloys		★		☆		★	★				
<b>S</b>	Titanium Alloy								★			☆
<b>H</b>	Hard Materials						■			□		

Insert (Right-hand Shown)	Part Number	Dimensions (in)					Angle (°)			Cemet	CVD*	MN*	MEGACOAT			PVD*	DLC*	Carbide	Toolholder Page			
		A	T	Ød	W (X)	rε (Z)	α	β	γ	TN100M	CA6535	PR1535	PR1225	PR1230	PR1210	PR830	PDL025	GW25				
	APKT 1003PDER-V	0.265	0.125	0.110	0.413	11°	15°	-	●			●		○	○				E74			
	100308PDER-V											●		●								
	APKT 1604PDER-V	0.375	0.187	0.177	0.669	11°	15°	-	●			●		○								
	160416PDER-V								○													
	APMT 250608ER-NB3	0.625	0.250	0.256	0.984	15°	11°	-				●	●	●				E59 E60 E61				
	250616ER-NB3											●	●	●								
	250640ER-NB3											●	○	○								
	APMT 250616EL-NB3	0.063							○			○						-				
	APMT 250608ER-NB4	0.625	0.250	0.256	0.984	15°	11°	-				●	●	●				E59 E60 E61				
	250616ER-NB4											●	●	●								
	250640ER-NB4											●	○	○								
	APMT 250616EL-NB4	0.063							○			●						-				
	APMT 250616ER-NB3P	0.625	0.250	0.256	0.984	0.063	15°	11°	-				○	●	○			E59 E60 E61				
	APMT 250616ER-NB4P	0.625	0.250	0.256	0.984	0.063	15°	11°	-				○	●	○			E59 E60 E61				
	BDMT 070302ER-JS	0.181	0.102	0.091	0.264	16°	15°	-		○	○	●			●			E24 E25				
	070304ER-JS											○	○	●		●						
	070308ER-JS											○	○	●		●						
	BDMT 070302ER-JT	0.181	0.102	0.091	0.264	16°	15°	-		○	○	●		○	○			E24 E25				
	070304ER-JT											○	○	●		●	●					
	070308ER-JT											○	●	●		●	●					
	BDGT 11T302FR-JA	0.264	0.150	0.110	0.433	18°	13°	-								○	○	E12 E13 E14				
	11T304FR-JA																				●	●
	11T308FR-JA																				●	●
	BDGT 170404FR-JA	0.378	0.193	0.173	0.669	18°	13°	-										E15 E16 E17				
	170408FR-JA																				●	●
	170420FR-JA																					●
BDGT 170431FR-JA	0.122													●	●							
	BDMT 110302ER-JS	0.248	0.118	0.110	0.433	18°	15°	-		○	○	●			○			E12 E13 E14				
	110304ER-JS																				○	
	110308ER-JS																					●
	BDMT 11T302ER-JS	0.264	0.150	0.110	0.433	18°	13°	-		○	○	●			○			E12 E13 E14				
	11T304ER-JS																				●	●
	11T308ER-JS																				●	●
	BDMT 170404ER-JS	0.378	0.193	0.173	0.669	18°	13°	-		○	○	●			●			E15 E16 E17				
	170408ER-JS																				●	●

\*CVD: CVD Coated Carbide    \*PVD: PVD Coated Carbide  
\*MN: MEGACOAT NANO    \*DLC: DLC Coated Carbide