








MILLING INSERTS

Milling Inserts with Hole

Usage Classification

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

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

Insert (Right-hand Shown)	Part Number	Dimensions (in)						An- g le (°)	Cem et	CVD Coated Carbide	MEGACOAT NANO	MEGA COAT	SNC*	CVD SNC*	DLC*	Carbide	Toolholder Page	
		A	T	Ød	W (X)	Z	rε											
		TN100M	CA6535	CA420M	PR1535	PR1525	PR1510											PR1225
 General Purpose	SOMT 100420ER-GM	0.406	0.180	0.181	-	-	0.079	16°	●	●	●						F4 F5 F7 F8 F9 F10	
	140520ER-GM	0.557	0.219	0.228	-	-			●	●	●							
 Large D.O.C.	SOMT 100420ER-LD	0.411	0.180	0.181	-	0.035	0.079	16°	●	●	●							
	140520ER-LD	0.581	0.219	0.228	-	0.063			●	●	●							
 Wiper Edge	SOMT 100420ER-FL	0.411	0.180	0.181	-	0.055	0.079	16°	●	●	●							
	140514ER-FL	0.574	0.219	0.228	-	0.122	0.055		○	●	●							
 Surface Finish Oriented (Ground Tolerance)	WNEU 080608EN-GL					0.059	0.031		○	●	●							E42 E43 E45
	WNEU 080608EN-GL	0.552	0.262	0.244	-													
 General Purpose	WNUM 080604EN-GM					0.067	0.016		○	●	●							
	080608EN-GM					0.051	0.031		○	●	●							
 Low Cutting Force	WNUM 080608EN-SM								○	●	●							
 Tough Edge (Heavy Milling)	WNUM 080608EN-GH	0.552	0.262	0.244	-	0.051	0.031		○	○	●	●						
	WNGT 080608FN-AM					0.059	0.031								●	●		

*DLC: DLC Coated Carbide
 *SNC: Silicon Nitride Ceramic
 *CVD SNC: CVD Coated Silicon Nitride Ceramic

GRADES	A
LINEUP / INSERTS	B
45° / 70° LEAD	C
75° LEAD	D
90° LEAD	E
HIGH FEED	F
MULTI-FUNCTION	G
SLOT MILLS	H
RADIUS / BALL-NOSE	J
OTHER APPLICATIONS	K
TOOL HOLDING	O
SPARE PARTS	P
TECHNICAL	R
INDEX	T