

# MILLING INSERTS

## Milling Inserts without 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	Stainless Steel																		★
K	Gray Cast Iron Nodular Cast Iron											★							☆
N	Non-ferrous Metals																		★
S	Heat-Resistant Alloys Titanium Alloy																		★
H	Hard Materials																		☆

Insert (Right-hand Shown)	Part Number (ANSI)	Part Number (ISO)	Dimensions (in)					Angle (°)			Cermet		CVD Coated Carbide		MIN*	MEGA COAT	PVD*	Carbide	Toolholder Page											
			A	T	X	Z	rε	α	β	γ	TN60	TN100M	TC60	CA6535	CA420M	PR1535	PR1225	PR1210		PR830	KW10									
	SPCN 42EDTR	SPCN 1203EDTR	0.500	0.125	R0.039	0.079	-	11°	15°	15°																				
	SPKN 42EDTR	SPKN 1203EDTR			R0.039																									
	42EDTL	1203EDTL			R0.039																									
	42EDER	1203EDER																												
	42EDFR	1203EDFR																												
	SPKN 53EDTR	SPKN 1504EDTR			0.625						0.187	0.039	0.087																	
	SPEN 42EEER	SPEN 1203EEER	0.500	0.125	0.039	0.055	-	11°	20°	15°																				
	42EESR	1203EESR																												
	SPCN 42XPTR	SPCN 1203XPTR	0.500	0.125	R0.039	0.079	-	11°	25°	20°																				
	SPKN 42XPTR	SPKN 1203XPTR																												
	42XPFR	1203XPFR																												
	SPKN 53XETR	SPKN 1504XETR			0.625						0.187	0.039																		
	SPCN 63EETR1	SPCN 1904EETR1	0.750	0.187	0.028	0.047	-	11°	20°	15°																				
	SPKR 42EDER-S	SPKR 1203EDER-S	0.500	0.125	R0.039	0.079	-	11°	15°	15°																				
	SPMR 42EDER-H	SPMR 1203EDER-H	0.500	0.125	R0.039	0.079	-	11°	15°	15°																				
	SPM 422	SPMN 120308	0.500	0.125		0.031	-	11°	-	-																				
	423	120312				0.047																								
	SPM 432	SPMN 120408			0.187							0.031																		
	433	120412										0.047																		
	SPG 321	SPGN 090304			0.375							0.016																		
	SPG 421	SPGN 120304			0.500	0.125						0.031																		
	SNCN 43XNTN	SNCN 1204XNTN	0.500	0.187	0.079	0.079	-	-	-	25°																				
	SNKN 43XNTN	SNKN 1204XNTN																												
	SNMF 43XNTN	SNMF 1204XNTN	0.500	0.187	0.079	0.079	-	-	-	25°																				
	SNM 432	SNMN 120408	0.500	0.187		0.031	-	-	-	-																				
	433	120412				0.047																								
	436	120424										0.094																		

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

● : U.S. Stock  
○ : World Express (Shipping - 10 Business Days)

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[www.kyocera-tools.ru](http://www.kyocera-tools.ru)

Inserts sold in 10 piece boxes.

**KYOCERA**

B11

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