

# INSERT COLORS

## "E" Class Tolerance Symbol Insert Features

**"E" Class Turning Insert**  
Same edge position and height after changing inserts

**Thickness Tolerance**  
 (Conventional)  $\pm 0.005''$  →  $\pm 0.0010''$

**Corner-R (re) Tolerance**  
 (Conventional)  $\pm 0.004''$  →  $\pm 0.0008''$

## High Quality Ground Insert "Super Fine"

- For mechatronics, electronics and high precision machined parts
- Sub-micron accuracy possible

**High Quality Ground Insert**

- Reduced micro chipping during edge grinding
- Less adhesion
- Long tool life

## Insert Color

### Cermet, MEGACOAT Cermet, and PVD Coated Cermet

Grades	Cermet							MEGACOAT NANO Cermet		MEGACOAT Cermet				PVD Coated Cermet		
		<b>NEW</b> TN610	TN620	TN6010	TN6020	TN60	TN100M	TC40N	TC60M	<b>NEW</b> PV710	<b>NEW</b> PV720	PV7005	PV7010	PV7025	PV7040	PV7020
Insert Color																

### MEGACOAT (PVD Coated Carbide)

Grades	MEGACOAT							MEGACOAT NANO	
		PR1210	PR1215	PR1225	PR1230	PR1305	PR1310	PR1325	PR1425
Insert Color									

### PVD Coated Carbide and CVD Coated Carbide

Grades	CVD Coated Carbide						PVD Coated Carbide									
		<b>NEW</b> CA420M	CA45 Series		CA40/41 Series	<b>NEW</b> CA510 CA515 CA525 CA530	CA55 Series	CA65 Series	PR660	PR830	PR905	PR915	PR930	PR1005	PR1025	PR1115
Insert Color																

### Ceramic

Grades	Alumina Ceramic			PVD Coated Carbide Ceramic	MEGACOAT Ceramic	Silicon Nitride Ceramic	CVD Coated Carbide Silicon Nitride Ceramic	SiAlON Ceramic	Cell Fiber Ceramic	
		KA30	A65	KT66	A66N	PT600M	KS6000	KS6050	CS7050	CF1
Insert Color										

### CBN and PCD

Grades	CBN					PCD			MEGACOAT CBN	PVD Coated CBN
		<b>NEW</b> KBN65B	<b>NEW</b> KBN475	KBN510	KBN525	<b>NEW</b> KBN570	KPD001	KPD010	KPD230	KBN..M
Insert Color										

### Carbide

Grades	Carbide			
		GW15	GW25	KW10
Insert Color				

### DLC Coating

Grades	DLC
	<b>NEW</b> PDL025
Insert Color	

GRADES	A
INSERTS	B
CBN & PCD	C
TOOLHOLDERS	D
SMALL TOOLS	E
BORING	F
GROOVING	G
CUT-OFF	H
THREADING	J
HSK TOOLING	N
SPARE PARTS	P
TECHNICAL	R
INDEX	T