













# INSERT CODE GUIDE

1 <b>A</b> Shape	2 <b>P</b> Relief Angle (AN)	3 <b>K</b> Tolerance	4 <b>T</b> Clamping & Chipbreaker	5 <b>16</b> Insert Size	6 <b>04</b> Insert Thickness (S)	7 <b>08</b> Corner Radius
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## 1 - Shape

Symbol	Shape	
H	Hexagonal	
O	Octagonal	
P	Pentagonal	
S	Square	
T	Triangular	
V	Rhombic 35°	
W	Trigon	
L	Rectangular	
A	Parallelogram 80°	
R	Round	

## 2 - Relief Angle (AN)






Symbol	Relief Angle (AN)	
N	No Relief Angle	
C	Relief 7°	
P	Relief 11°	
D	Relief 15°	
E	Relief 20°	
F	Relief 25°	
O	Special	



## 3 - Tolerance Class

Symbol	Inner Circle IC (mm)	Nose Height M (mm)	Thickness S (mm)
E	±0.025	±0.025	±0.025
G	±0.025	±0.025	±0.13
K	±0.05~0.15	±0.013	±0.025
M	±0.05~0.15	±0.08~0.2	±0.13
U	±0.08~0.25	±0.13~0.38	±0.13

## 4 - Clamping & Chipbreaker

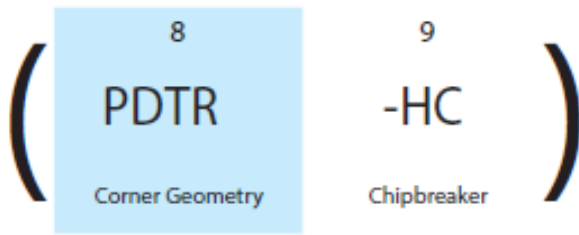
Symbol	Clamping	Chipbreaker	Figure
N	No clamping hole	X	
R		One Face	
W	Screw Hole	X	
T		One Face	
U		Both Faces	
X	Special		

## 5 - Insert Size

\* No Standard for milling insert size

## 6 - Insert Thickness

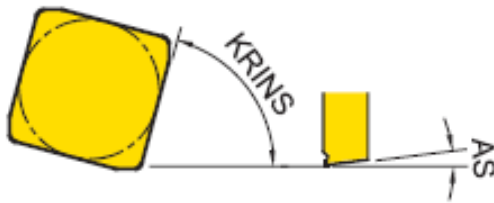
\* No Standard for milling insert thickness



## 7 - Corner Radius (RE)

Symbol	Corner Radius - RE (mm)	Symbol	Corner Radius - RE (mm)
04	0.4	16	1.6
08	0.8	20	2.0
12	1.2	24	2.4

## 8 - Corner Geometry







8-1	8-2	8-3	8-4
P	D	T	R
Cutting Edge Angle (KRINS)	Wiper Edge Clearance (AS)	Edge Condition	Feed Direction

### 8-1 - Cutting Edge Angle (KRINS)

Symbol	Cutting Edge Angle (KRINS)
P	90°
A	45°
D	60°
E	75°
F	85°
Z	Special



### 8-3 - Edge Condition

Symbol	Edge Condition
F	Sharp 
E	Rounded 
T	Chamfered 
S	Chamfered and Rounded 

### 8-2 - Wiper Edge Clearance (AS)

Symbol	Wiper Edge Clearance (AS)
N	0°
P	11°
D	15°
E	20°
F	25°
Z	Special

### 8-4 - Feed Direction

Symbol	Feed Direction
R	Right-hand Insert 
N	Neutral Insert 
L	Left-hand Insert 