EXTERNAL TOOLHOLDER IDENTIFICATION SYSTEM

LENGTH AND WIDTH	LENGTH AND SIDE
A - 4.000 Back and End	M - 4.000 Front and End
B - 4.500 Back and End	N - 4.500 Front and End
C - 5.000 Back and End	P - 5.000 Front and End
D - 6.000 Back and End	R - 6.000 Front and End
E - 7.000 Back and End	S - 7.000 Front and End
F - 8.000 Back and End	T - 8.000 Front and End
G - 5.500 Back and End	U - 5.500 Front and End

* NOTE: All qualified dimensions are given to a tolerance of 0.003" over a master gauge insert radius based on the standard shown.

Insert I.C.	Radius
1/4" - 5/16"	0.015"
3/8" - 1/2"	0.031"
5/8" - 3/4"	0.047"
1"	0.062"

⑧ Qualified Control

Number of 1/8ths on 1/4" I.C. and over.

⑦ Insert Size I.C.

This position shall be a significant number which indicates the holder cross section. For square shanks this number will represent the number of sixteenths of width and height. For rectangular holders the first digit represents the number of eighths of width and the second digit the number of quarters of height, except the following toolholder: 1-1/4 x 1-1/2 which is given the number 91.

⑥ Toolholder Shank Size

R : Round
S : Square
T : Triangle
C : 80° Diamond
D : 55° Diamond
V : 35° Diamond
W : 80° Trigon
R : Round

② Insert Shape

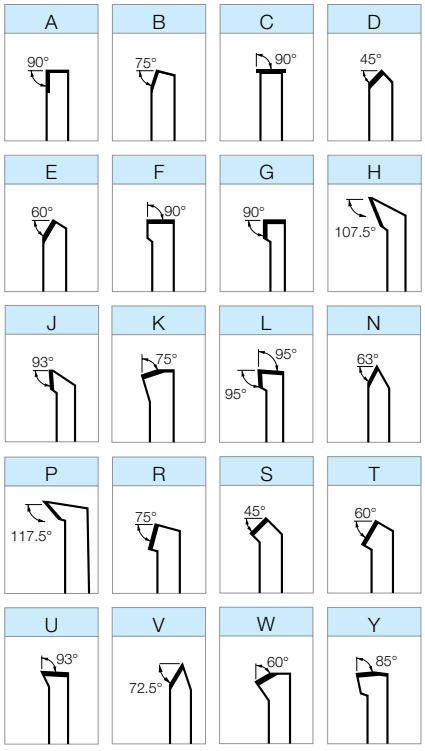
A : Anchor Pin Style
C : Clamp Only
D : Double Clamp
M : Clamp and Lock Pin
P : Lock Pin Only (or Lever Lock)
S : Screw Only
W : Wedge Only

① Clamping System

	①	②	③	④	⑤	⑥		⑦	⑧
ANSI (inch)	D	C	L	N	R	16	-	4	D
ISO (metric)	D	C	L	N	R	20	20	K	- 12	

	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
ISO (metric)	D	C	L	N	R	20	20	K	- 12	

③ Cutting Edge Angle



④ Insert Relief Angle

B : 5° Positive
C : 7° Positive
D : 15° Positive
E : 20° Positive
N : 0° Negative
P : 11° Positive

⑤ Hand of Tool

R : Right-hand
L : Left-hand
N : Neutral

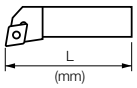
⑥ Shank Height

Shank Height (mm)

⑦ Shank Width

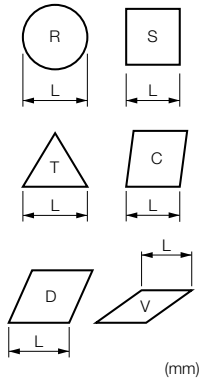
Shank Width (mm)

⑧ Toolholder Length



A : 32	J : 110	S : 250
B : 40	K : 125	T : 300
C : 50	L : 140	U : 350
D : 60	M : 150	V : 400
E : 70	N : 160	W : 450
F : 80	P : 170	Y : 500
G : 90	Q : 180	X : Special
H : 100	R : 200	

⑨ Insert Size



⑩ Others

Optional Code
Optional Mark or Number

- Specifications may change without prior notice.
- Due to the installation size constraints on the machine, the toolholder length of some products may not match with the symbol.