

# SMALL TOOLS IDENTIFICATION SYSTEM

## ■ Square Shank Identification System

<b>A</b> : Back Clamp <b>C</b> : Top Clamp <b>P</b> : Level Lock <b>S</b> : Screw Clamp	<b>C</b> : 80° Rhombic <b>D</b> : 55° Rhombic <b>S</b> : 90° Square <b>T</b> : 60° Triangle <b>V</b> : 35° Rhombic	<b>R</b> : Right-Hand <b>L</b> : Left-Hand <b>N</b> : Neutral	Indicates the holder cross section. For square shanks this number will represent the number of sixteenths of width and height. (Ex. 6/16 = 3/8" Square)	Number of 1/8ths on 1/4" I.C. and over.	Optional Code Optional Mark or Number (FF : Without Offset)						
Clamping System	Insert Shape	Hand of Tool	Shank Size	Insert Size I.C.	Others						
<b>ANSI</b> (inch)	<b>S</b>	<b>C</b>	<b>L</b>	<b>C</b>	<b>R</b>	<b>6</b>	<b>-</b>	<b>2</b>	<b>JX</b>	<b>FF</b>	
<b>ISO</b> (metric)	<b>S</b>	<b>C</b>	<b>L</b>	<b>C</b>	<b>R</b>	<b>12</b>	<b>12</b>	<b>JX</b>	<b>-</b>	<b>09</b>	<b>FF</b>

  

Cutting Edge Angle					Insert Relief Angle	Shank Height	Shank Width	Toolholder Length	Insert Size
<b>A</b> 90°	<b>B</b> 75°	<b>D</b> 45°	<b>F</b> 90°	<b>G</b> 90°		Shank Height (mm)	Shank Width (mm)		
<b>J</b> 93°	<b>K</b> 75°	<b>L</b> 95°	<b>N</b> 63°	<b>P</b> 117.5°	<b>B</b> : 5° Positive <b>C</b> : 7° Positive <b>N</b> : 0° Negative <b>P</b> : 11° Positive			<b>F</b> : 80 (85) <b>H</b> : 100 <b>JX</b> : 4.750" 120mm <b>K</b> : 125mm <b>M</b> : 150	
<b>S</b> 45°	<b>T</b> 60°	<b>V</b> 72.5°							

• Some back turning toolholders have Kyocera's unique descriptions

## ■ External Sleeve Holder Identification System

<b>S</b> : Steel	<b>F</b> : 3.00 80 <b>G</b> : 3.50 90 <b>H</b> : 4.00 100 <b>J</b> : 4.50 110 <b>K</b> : 5.00 125 <b>L</b> : 5.50 140 <b>M</b> : 6.00 150 <b>N</b> : 6.50 160 <b>P</b> : 6.75 170	<b>Q</b> : 7.00 180 <b>R</b> : 8.00 200 <b>S</b> : 10.00 250 <b>T</b> : 12.00 300 <b>U</b> : 14.00 350 <b>V</b> : 16.00 400 <b>W</b> : 18.00 450 <b>Y</b> : 20.00 500 <b>X</b> : Special	<b>S</b> : Screw Clamp	<b>C</b> : 80° Rhombic <b>D</b> : 55° Rhombic <b>V</b> : 35° Rhombic	<b>L</b> : Left-Hand					
Shank	Toolholder Length	Clamping System	Insert Shape	Hand of Tool						
<b>ANSI</b> (inch)	<b>S</b>	<b>19</b>	<b>K</b>	<b>-</b>	<b>S</b>	<b>C</b>	<b>L</b>	<b>C</b>	<b>L</b>	<b>09</b>
<b>ISO</b> (metric)	<b>S</b>	<b>20</b>	<b>K</b>	<b>-</b>	<b>S</b>	<b>C</b>	<b>L</b>	<b>C</b>	<b>L</b>	<b>09</b>

  

Shank Diameter	Cutting Edge Angle	Insert Relief Angle	Insert Size (mm)
<b>ANSI</b> A two-digit number that indicates the shank diameter in 1/16" increments. <b>ISO</b> Shank diameter in mm	<b>L</b> 95° <b>U</b> 93°		
		<b>B</b> : 5° Positive <b>C</b> : 7° Positive	

• The dimensions and specifications are subject to change for improvement without notice.  
 • Depending on the machine specifications such as attachment Dimensions, the [kyocera@kyocera-tools.ru](mailto:kyocera@kyocera-tools.ru) toolholder length.

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**