

CLASSIFICATION OF EXTERNAL TURNING TOOLS

GANG TYPE TOOL POSTS

● FRONT TURNING

Name of Tool Holder	Shank Size (mm) (H x W x L)	Geometry
SCAC-SM ↻ D008	8 x 8 x 125 10 x 10 x 125 12 x 12 x 150 16 x 16 x 150	90° KAPR
SCLC-SM ↻ D008	8 x 8 x 125 10 x 10 x 125 12 x 12 x 150 16 x 16 x 150	95° KAPR
SDJC-SM ↻ D009	8 x 8 x 125 10 x 10 x 125 12 x 12 x 150 16 x 16 x 150	93° KAPR
SDNC-SM ↻ D009	8 x 8 x 125 10 x 10 x 125 12 x 12 x 150 16 x 16 x 150	62.5° KAPR
SVLP-SM ↻ D010	10 x 10 x 125 12 x 12 x 150 16 x 16 x 150	95° KAPR
SVJB-SM ↻ D010	10 x 10 x 125 12 x 12 x 150 16 x 16 x 150	93° KAPR
SVJC-SM NEW ↻ D011	10 x 10 x 120 12 x 12 x 120 16 x 16 x 120	93° KAPR
SVPP-SM ↻ D011	10 x 10 x 125 12 x 12 x 150 16 x 16 x 150	117.5° KAPR
SVVB-SM ↻ D011	10 x 10 x 125 12 x 12 x 150 16 x 16 x 150	72.5° KAPR

● BACK TURNING

Name of Tool Holder	Shank Size (mm) (H x W x L)	Geometry
BTAH (Insert Size 2.8, 3.5, 5.0mm) ↻ D012	8 x 10 x 120 10 x 10 x 120 12 x 12 x 120 16 x 16 x 120	
CTBH (Insert Size 4.5, 6.0mm) ↻ D013	10 x 10 x 120 12 x 12 x 120 16 x 16 x 120	
BTVH (Insert Size 7.5mm) ↻ D014	10 x 10 x 120 12 x 12 x 120 16 x 16 x 120	53° KAPR

● THREADING

Name of Tool Holder	Shank Size (mm) (H x W x L)	Geometry
TTAH ↻ D024	8 x 10 x 120 10 x 10 x 120 12 x 12 x 120 16 x 16 x 120	

● GROOVING

Name of Tool Holder	Shank Size (mm) (H x W x L)	Geometry
GTAH (Groove Width 0.3—3.0mm) ↻ D016	8 x 8 x 80 8 x 8 x 120 10 x 10 x 80 10 x 10 x 120 12 x 12 x 80 12 x 12 x 120 16 x 16 x 120	U Type ↑ E Type ↑ VT Type ↑
GTBH (Groove Width 1.45—3.0mm) ↻ D016	10 x 10 x 80 10 x 10 x 120 12 x 12 x 120 16 x 16 x 120	U Type ↑ E Type ↑ VT Type ↑
GTCH (Groove Width 2.5—3.0mm) ↻ D016	10 x 10 x 80 10 x 10 x 120	U Type ↑ E Type ↑ VT Type ↑

● CUTTING OFF

Name of Tool Holder	Shank Size (mm) (H x W x L)	Geometry
CTAH (Max. Cut Off Diameter 12mm) ↻ D018	8 x 10 x 120 10 x 10 x 120 12 x 12 x 120 16 x 16 x 120	
CTAH-S (Max. Cut Off Diameter 12mm) ↻ D018	10 x 10 x 80	
CTBH (Max. Cut Off Diameter 16mm) ↻ D020	10 x 10 x 120 12 x 12 x 120 16 x 16 x 120	
CTCH (Max. Cut Off Diameter 20mm) ↻ D021	10 x 10 x 120 12 x 12 x 120	
CTDH (Max. Cut Off Diameter 23—35mm) ↻ D022	16 x 16 x 120 16 x 16 x 125	
CTEH (Max. Cut Off Diameter 23—35mm) ↻ D023	16 x 16 x 120 16 x 16 x 125	

OPPOSITE TOOL POSTS

● DIMPLE SLEEVE HOLDER

Name of Tool Holder	Shank Size (mm) (Shank Dia. x L)	Geometry
SH (Front Turning, Copying, Facing) ↻ D026	$\phi 15.875 \times 100$ $\phi 19.05 \times 125$ $\phi 20 \times 125$ $\phi 22 \times 125$ $\phi 25.4 \times 150$	 93° KAPR

● THREADING

Name of Tool Holder	Shank Size (mm) (H x W x L)	Geometry
MMT ↻ G019	$12 \times 12 \times 100$ $16 \times 16 \times 100$ $20 \times 20 \times 125$ $25 \times 25 \times 150$ $32 \times 32 \times 170$	
SMGH ↻ G026	$10 \times 10 \times 70$ $12 \times 12 \times 80$ $16 \times 16 \times 100$	

TURRET TYPE TOOL POSTS

● FRONT TURNING

Name of Tool Holder	Shank Size (mm) (H x W x L)	Geometry
DTGN ↻ C016	$16 \times 16 \times 100$ $20 \times 20 \times 125$ $25 \times 25 \times 150$	 91° KAPR
MTJN ↻ C017	$20 \times 20 \times 125$ $25 \times 25 \times 150$	 93° KAPR
PTGN ↻ C016	$10 \times 10 \times 70$ $12 \times 12 \times 80$ $16 \times 16 \times 100$ $20 \times 20 \times 125$ $25 \times 25 \times 150$	 91° KAPR
SCLC ↻ C022	$8 \times 8 \times 60$ $10 \times 10 \times 70$ $12 \times 12 \times 80$ $16 \times 16 \times 100$	 95° KAPR
SDJC ↻ C023	$10 \times 10 \times 70$ $12 \times 12 \times 80$ $16 \times 16 \times 100$	 93° KAPR
SDNC ↻ C023	$8 \times 8 \times 60$ $10 \times 10 \times 70$ $12 \times 12 \times 80$ $16 \times 16 \times 100$	 62.5° KAPR
SSSC ↻ C026	$12 \times 12 \times 80$ $16 \times 16 \times 100$	 45° KAPR
STGC ↻ C027	$10 \times 10 \times 70$ $12 \times 12 \times 80$ $16 \times 16 \times 100$	 91° KAPR
SVJC ↻ C028	$10 \times 10 \times 70$ $16 \times 16 \times 100$	 93° KAPR
SVVC ↻ C028	$16 \times 16 \times 100$	 72.5° KAPR

● GROOVING

Name of Tool Holder	Shank Size (mm) (H x W x L)	Geometry
SMGH ↻ F118	$10 \times 10 \times 70$ $12 \times 12 \times 80$ $16 \times 16 \times 100$	

CAM TYPE TOOL POSTS

Name of Tool Holder	Shank Size (mm) (H x W x L)	Geometry
CSVH (Front Turning) ↻ D027	$7 \times 7 \times 140$ $8 \times 8 \times 140$ $9.5 \times 9.5 \times 140$ $10 \times 10 \times 140$ $12 \times 12 \times 140$	
CSVH (Front Turning Copying) ↻ D027	$7 \times 7 \times 140$ $8 \times 8 \times 140$ $9.5 \times 9.5 \times 140$ $10 \times 10 \times 140$ $12 \times 12 \times 140$	
CSVH (Back Turning) ↻ D027	$7 \times 7 \times 140$ $8 \times 8 \times 140$ $9.5 \times 9.5 \times 140$ $10 \times 10 \times 140$ $12 \times 12 \times 140$	
CSVH (Back Turning Copying) ↻ D027	$7 \times 7 \times 140$ $8 \times 8 \times 140$ $9.5 \times 9.5 \times 140$ $10 \times 10 \times 140$ $12 \times 12 \times 140$	
CSVH (Cutting Off) ↻ D027	$7 \times 7 \times 140$ $8 \times 8 \times 140$ $9.5 \times 9.5 \times 140$ $10 \times 10 \times 140$ $12 \times 12 \times 140$	
CSVH (Grooving) ↻ D027	$7 \times 7 \times 140$ $8 \times 8 \times 140$ $9.5 \times 9.5 \times 140$ $10 \times 10 \times 140$ $12 \times 12 \times 140$	
CSVH (Threading) ↻ D027	$7 \times 7 \times 140$ $8 \times 8 \times 140$ $9.5 \times 9.5 \times 140$ $10 \times 10 \times 140$ $12 \times 12 \times 140$	