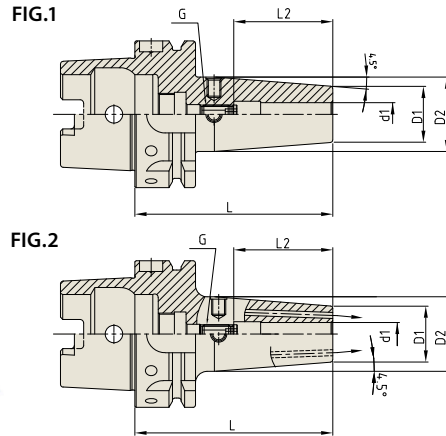


SHRINK FIT HOLDER

HSK

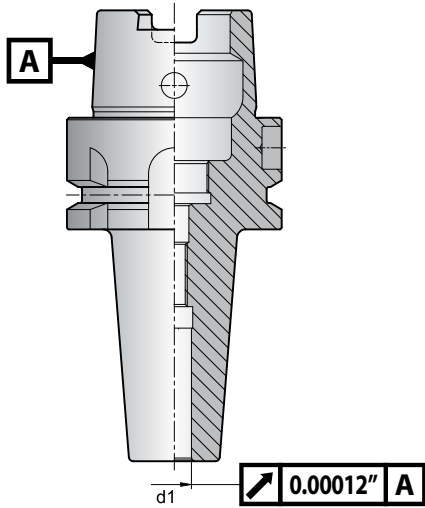


HSK63A - Coolant Channel (Inch)

Unit: inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	FIG.
VQ020	63A	HSK63A - SFH 1/8 - 3.15	0.125	0.394	0.728	3.150	0.354	-	1
VQ022		HSK63A - SFH 3/16 - 3.15	0.188	0.394	0.728	3.150	0.472	-	1
VQ024		HSK63A - SFH 1/4 - 3.15	0.250	0.827	1.063	3.150	1.417	M5x0.8mm	1
VQ026		HSK63A - SFH 1/4 - 6.30	0.250	0.827	1.063	6.300	1.417	M5x0.8mm	1
VQ028		HSK63A - SFH 3/8 - 3.35	0.375	0.945	1.260	3.346	1.713	M8x1.0mm	1
VQ030		HSK63A - SFH 3/8 - 6.30	0.375	0.945	1.260	6.300	1.713	M8x1.0mm	1
VQ032		HSK63A - SFH 1/2 - 3.54	0.500	0.945	1.260	3.543	1.929	M10x1.0mm	1
VQ034		HSK63A - SFH 1/2 - 6.30	0.500	0.945	1.260	6.300	1.929	M10x1.0mm	1
VQ036		HSK63A - SFH 5/8 - 3.74	0.625	1.063	1.339	3.740	2.047	M12x1.0mm	1
VQ038		HSK63A - SFH 5/8 - 6.30	0.625	1.063	1.339	6.300	2.047	M12x1.0mm	1
VQ040		HSK63A - SFH 3/4 - 3.94	0.750	1.299	1.654	3.937	2.126	M16x1.0mm	1
VQ042		HSK63A - SFH 3/4 - 6.30	0.750	1.299	1.654	6.300	2.126	M16x1.0mm	1
VQ046		HSK63A - SFH 1.0 - 4.53	1.000	1.732	2.087	4.528	2.362	M16x1.0mm	1
VQ048		HSK63A - SFH 1.0 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	1
VQ020J		HSK63A - SFH 1/8C - 3.15	0.125	0.472	0.827	3.150	0.354	-	2
VQ022J		HSK63A - SFH 3/16C - 3.15	0.188	0.472	0.827	3.150	0.472	-	2
VQ024J		HSK63A - SFH 1/4C - 3.15	0.250	0.827	1.063	3.150	1.417	M5x0.8mm	2
VQ026J		HSK63A - SFH 1/4C - 6.30	0.250	0.827	1.063	6.300	1.417	M5x0.8mm	2
VQ028J		HSK63A - SFH 3/8C - 3.35	0.375	0.945	1.260	3.350	1.713	M8x1.0mm	2
VQ030J		HSK63A - SFH 3/8C - 6.30	0.375	0.945	1.260	6.300	1.713	M8x1.0mm	2
VQ032J		HSK63A - SFH 1/2C - 3.54	0.500	0.945	1.260	3.540	1.929	M10x1.0mm	2
VQ034J		HSK63A - SFH 1/2C - 6.30	0.500	0.945	1.260	6.300	1.929	M10x1.0mm	2
VQ036J		HSK63A - SFH 5/8C - 3.74	0.625	1.063	1.339	3.740	2.047	M12x1.0mm	2
VQ038J		HSK63A - SFH 5/8C - 6.30	0.625	1.063	1.339	6.300	2.047	M12x1.0mm	2
VQ040J	HSK63A - SFH 3/4C - 3.94	0.750	1.299	1.654	3.940	2.126	M16x1.0mm	2	
VQ042J	HSK63A - SFH 3/4C - 6.30	0.750	1.299	1.654	6.300	2.126	M16x1.0mm	2	
VQ046J	HSK63A - SFH 1.0C - 4.53	1.000	1.732	2.087	4.530	2.362	M16x1.0mm	2	
VQ048J	HSK63A - SFH 1.0C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	2	

01. High Precision I.D Run-out : $\leq 0.00012''$

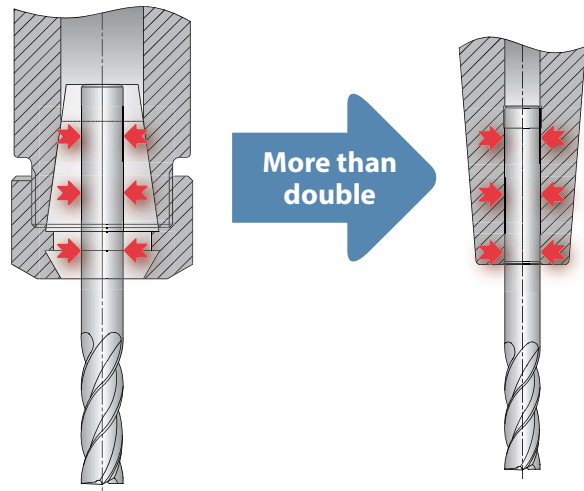


- Less than 0.00012" of Tool Holder accuracy at I.D

02. Strong and Consistent Torque Power

Collet Chuck

Shrink Fit Holder

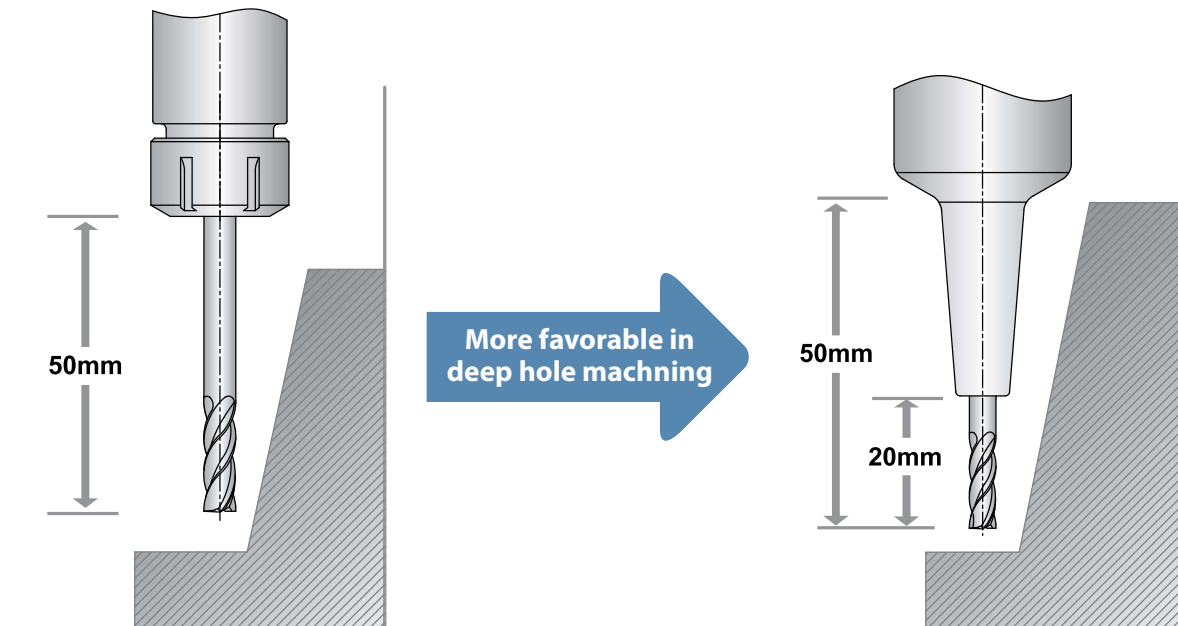


- Achieving strong torque power by integration of chuck and tool

03. Deep hole Machining

Collet Chuck

Shrink Fit Holder



- Suitable for High Speed precision deep hole machining

SHANK TYPE OF CUTTING TOOL

Straight shank



One weldon flat shaft type



MATERIAL OF CUTTING TOOL

CARBIDE TOOL

YES

HSS TOOL

NO

- One Weldon flat shaft type tool is usable, but there is a possibility that the I.D of Shrink Fit Holder may be deformed.

APPLICATION

<p>Rough Milling</p>	<p>Finish Milling</p>	<p>High Speed Cutting</p>
<p>Drilling</p>	<p>Reaming</p>	<p>Countersinking</p>

○ T.I.R (TOTAL INDICATED RUN-OUT)

HYDRAULIC CHUCK

Concentric to 0.00012" T.I.R (at 3D)

SHRINK FIT HOLDER

Concentric to 0.00012" T.I.R (at I.D)

ER COLLET CHUCK

Concentric to 0.0002" T.I.R (at I.D)

END MILL HOLDER

Concentric to 0.0002" T.I.R (at I.D)

SLITTING SAW ARBOR

Face perpendicular to taper within 0.0002" T.I.R (at I.D)

STUB ARBOR

Face perpendicular to taper within 0.0002" T.I.R (at I.D)

SHELL MILL ARBOR

Face perpendicular to taper within 0.0001" T.I.R

Out diameter to taper within 0.0002" T.I.R

MORSE & JACOBS TAPER ARBOR

Concentric to 0.0003" T.I.R

* To put tool precisely on spindle center line for getting correct T.I.R

- AT3 or better accuracy on all shank tapers
- Accurate and rigid tool holder mounting to spindle
- The bore diameter of all tool holders is controlled by H5 grade tolerance limit.

TAPER	AT3
#30	0.000078"
#40	0.00012"
#50	0.00016"