

**Ultra Precision
End Milling**

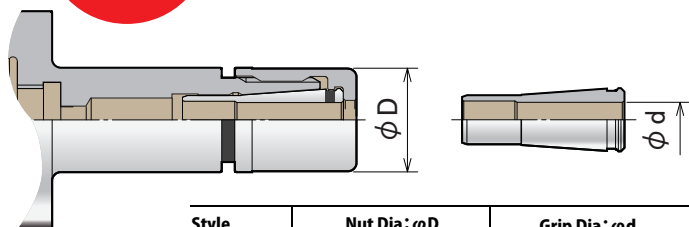
**Ultra Compact
Diameter Drilling**

High-Precision collet chuck with compact nut providing optimum clearance

HSK20E, 25E, 32E, 40E, 50E Compatibility for Micro Diameter Machining

NEW

MICRO VC HOLDER



Style	Nut Dia: ϕD	Grip Dia: ϕd
MVH4	$\phi 12$	$\phi 3, 4$
MVH6	$\phi 14$	$\phi 3, 4, 6$

● **Run-Out : 3 μ m at 4 \times Diameter**

● **High speed : MAX. 50,000rpm**

● **8 $^{\circ}$ taper collets : Superior Gripping**

NIKKEN's unique 8 $^{\circ}$ tapered collet provides optimum accuracy and clamping force from lower tightening torque!

● **Quick and easy loading**

Nut clamping is with NIKKEN Micro GH Handle. Collet is quickly replaced with collet extractor (sold separately).

Micro GH Handle



■ MVH4:GH4MVH
■ MVH6:GH6MVH

Collet Extractor



■ MVH4: MVKR-4
■ MVH6: MVKR-6



HSK-E - SYMMETRICAL SHANK

Unlike HSK-A the tool flange is designed for high speed rotation therefore is fully symmetrical with no drive slots, tooling hole or timing notch.



HSK-A



HSK-E

NIKKEN

NIKKEN KOSAKUSHO WORKS, LTD.
5-1, 1-chome, Minamishinden, Daito-shi, Osaka-fu, Japan

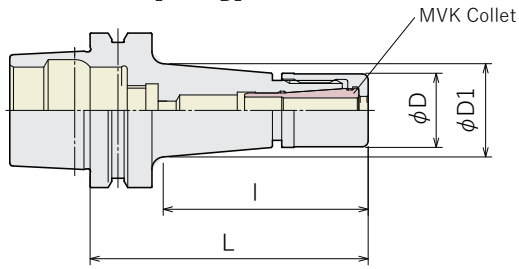
Web: www.nikken-kosakusho.co.jp/en
Tel: +81-(0)72-869-5820 Fax: +81-(0)72-869-6220
e-mail: export@nikken-kosakusho.co.jp

New HSK-E Micro VC Holder



Two tool profiles are available: Tapered body for increased rigidity or parallel for reduced interference.

■ HSK-E Taper Type

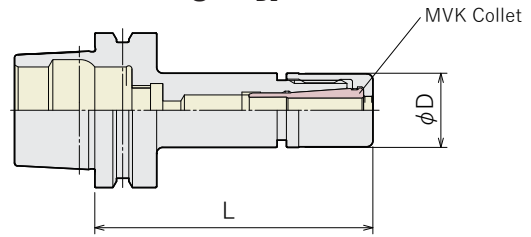


MVHT

Taper	Code No.	ϕD	$\phi D1$	L	I	Collets ϕd
HSK25E	HSK25E -MVHT4 -45	12	15.1	45	33.2	MVK4-3,4
	-MVHT6 -45	14	17.1	45	33.2	MVK6-3,4,6
HSK32E	HSK32E -MVHT4 -45	12	13.3	45	23.2	MVK4-3,4
	-60*	12	15.5	60	35.4	
	-MVHT6 -45	14	15.3	45	23.2	MVK6-3,4,6
	-60*	14	17.6	60	36.3	
HSK40E	HSK40E -MVHT4 -60*	12	15.5	60	35.4	MVK4-3,4
	-MVHT6 -60	14	17.5	60	35.4	MVK6-3,4,6
HSK50E	HSK50E -MVHT4 -80*	12	17.9	80	49.4	MVK4-3,4
	-MVHT6 -80*	14	19.9	80	49.4	MVK6-3,4,6

* Adjusting screw can be attached. Code No. is MVG-5 for MVH4 and MVG-7 for MVH6.

■ HSK-E Straight Type



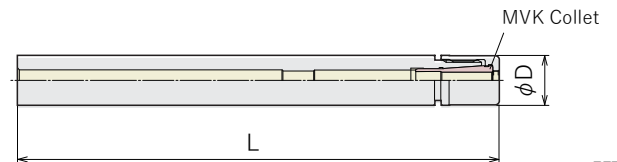
MVH

Taper	Code No.	ϕD	L	Collets ϕd
HSK20E	HSK20E -MVH4 -33	12	33	MVK4-3,4
	-MVH6 -35	14	35	MVK6-3,4,6
HSK25E	HSK25E -MVH4 -45	12	45	MVK4-3,4
	-MVH6 -45	14	45	MVK6-3,4,6
HSK40E	HSK40E -MVH6 -45	14	45	MVK6-3,4,6
HSK50E	HSK50E -MVH4 -50	12	50	MVK4-3,4
	-MVH6 -55	14	55	MVK6-3,4,6

New Straight Shank Micro VC Holder



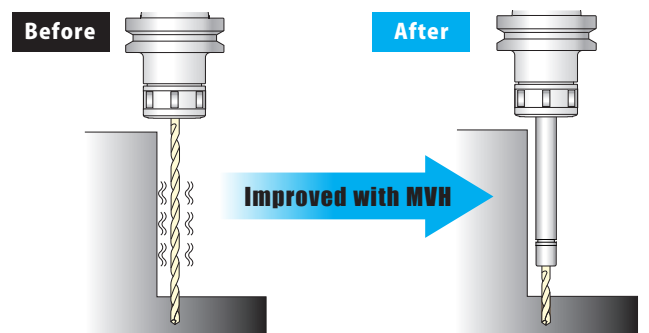
Straight shank extension to provide high precision and rigidity for extended reach requirements.



MVH

Style	Code No.	ϕD	L	Collets ϕd
S12	S12 -MVH4 -130*	12	130	MVK4-3,4
S13	S13 -MVH6 -160*	14	160	MVK6-3,4,6

Straight Shank Micro VC allows processing with standard length cutting tools to negate the requirement for expensive extended length tools. Increased reliability and lower costs!



* Adjusting screw can be attached. Code No. is MVG-5 for MVH4 and MVG-7 for MVH6.

- ✗ Increased cost - extended length tool.
- ✗ Uncertain accuracy and reliability.
- ✓ Standard length tooling.
- ✓ Excellent precision & rigidity.