

VC Collet Chuck Features

ULTRA PERFORMANCE

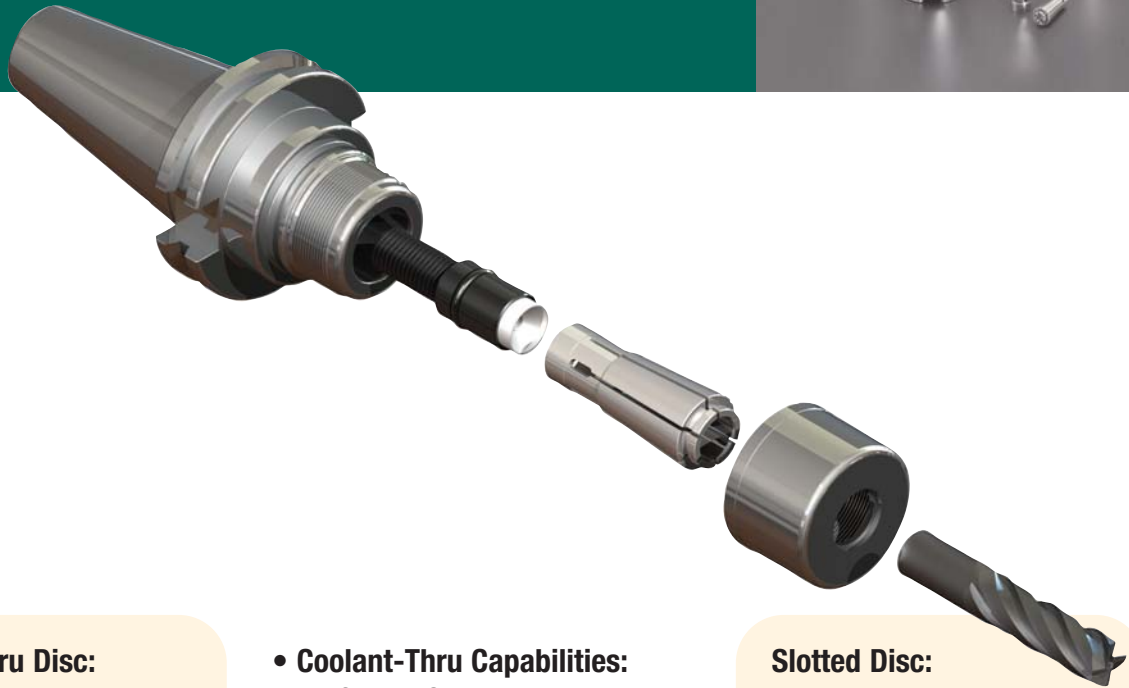
Extremely precise: 0.00012" or less concentricity guarantee with any collet

Extremely efficient: ideal for high-speed machining, thread milling, ultra precision reaming

Flexible: covers sizes from 0.079" to 0.5"

Extremely accurate: twice more accurate than a ER collet chuck, with 10 times better repeatability

8° versus 16° collet taper: twice more gripping power than ER Collet Chucks



Coolant-Thru Disc:

A perfect seal is formed between the nut and the coolant-thru disk. Ideal for coolant-thru tools.



• Coolant-Thru Capabilities:

Jet Coolant Splash with J-Type Nut



Discs and wrench for SK10 and SK16 type can be used for VC6 and VC13 type respectively.

Slotted Disc:

The jet coolant pressure creates a tornado effect, ensuring efficient swarf disposal.



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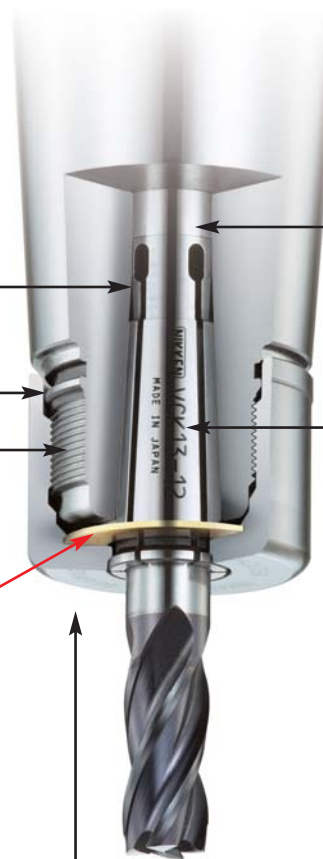
Symmetrical and simple external design without notch for ultra high speed rotation

8° internal taper collet for greater accuracy and clamping capability

The ground thread of collet chuck highly improves the torque and accuracy

TiN BEARING NUT
(Hardness: HV2,200)
US Patent 6923451

Collet compression force is perpendicular to the centerline of collet bore maximizing run out accuracy



The thick wall design of the VC holder body improves cutting rigidity

Ground pilot helps centralize the collet while giving additional length support on the cutting tool

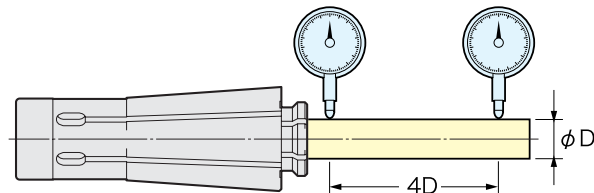
Extended Collet to minimize runout and to increase surface area contact of tooling

Easy, safe and reliable handling with GH wrench (see page 204)



High Runout Accuracy:

Within 0.00012 at 4 times the diameter of the cutting tool! This produces better stability and improves surface finish.



VC Collet Range:



VCK6: 2-6mm (1/8"-1/4")
VCK13: 3-12mm (1/8"-1/2")

VC Collet vs. Others:



VCK Collet

- Runout: 0.00012"
- 170N.m gripping power



ER Collet

- Runout: 0.0001"
- 80N.m gripping power



TG Collet

- Runout: 0.0003"
- 100N.m gripping power