

Jointly developed by 3 companies

ALPS TOOL



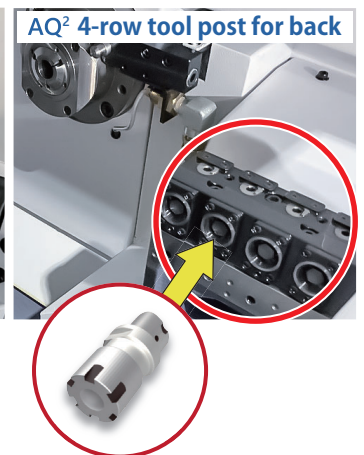
CITIZEN

Optimized for small Swiss-type Automatic Lathe with clamp units, adapters and machine tools.

AC3 3-Position Hybrid Unit Quick Change×3 Square Shank×2



AQ² 3-Position Hybrid Unit Quick Change×3 Square Shank×3



Maximum grip diameter 10mm

AQ² Collet Adapter



CIToolingSystem



AQ² Collet Adapter



AR Collet Chuck

- 16° Taper Collet (DIN6499/ISO15488 compliant)
- Grade AAA 3 μm, Grade AA 5 μm, Grade A 8 μm

Passed strict inspections

CI Tooling System

ALPS TOOL

That's the way!

www.alpstool.com

with AQ² Polygon Taper

* Prototype evaluation result

Quick change system with polygon tapered shank.

The unique coupling structure significantly reduces setup time and tool change time, ensures repeatability of the cutting edge position, and provides rigidity during machining.

Easy to handle and operate



Check the phase of the head



Insert the head

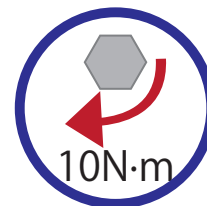


Equipped with Temporary Holding Function

It won't fall even if you let go of it, so you can work with one hand.



Tighten with a torque wrench

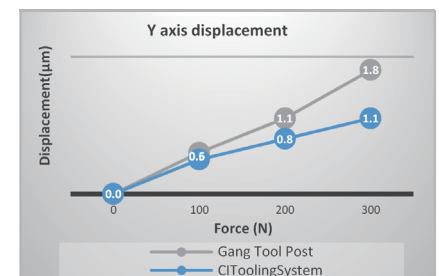
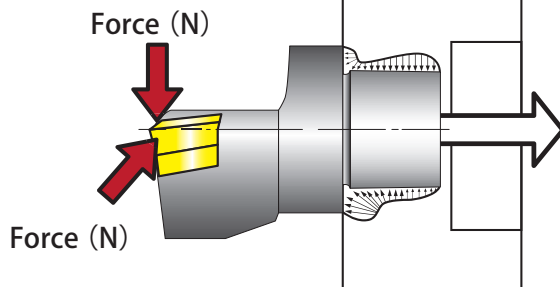


Tightening Torque



Replace completed

High Rigidity



Efficient tool change

Repeatability

± 2 μm

X-axis(Radial direction)

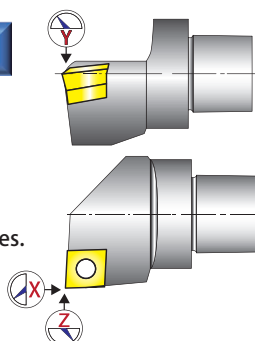
Y-axis(Center height direction)

Z-axis (Length direction)

Repeatability of ±2 μm on all three axes.

Replaces square shank tools

with Quick Change



AQ² Adapter Lineup

- Made by ALPS TOOL AR Collet Adapter AR11,AR16 Side Lock Adapters various types
- Made by NTK Cutting Heads (Original • ISO)



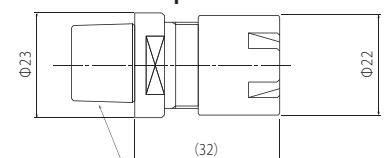
Supported Machine Tools

• Starting with Citizen Machinery Φ20 model.



Dimensions

ex.Collet Adapter AR16



AQ² Polygon Taper

ALPS TOOL

NTK CUTTING TOOLS

CITIZEN

TNo. AQ2A4-EN-003 2025.02