



T.M. SMITH TOOL

INTERNATIONAL CORPORATION

PRECISION TOOL HOLDERS

- Quick Change Tapping
- Shrink Fit Tool Holders
- HSK Tool Holders
- Custom Applications
- Quick Change Drilling
- CNC Tool Holders
- ACME Shank Tool Holders



**MADE IN
THE USA**

AHB

Tooling & Machinery, Inc.

Complete Metalworking Solutions
Roseville Saginaw & Jackson, MI

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TAP HOLDERS & ADAPTERS



RIGID (CARTRIDGE STYLE)

For use on machines with rigid/synchronous tapping.

- Compact design
- Through coolant
- Quick change
- Available in Steep Taper, HSK, Straight and ACME shanks



RADIAL FLOATING

Designed to compensate for misalignment between cutting tool and work piece

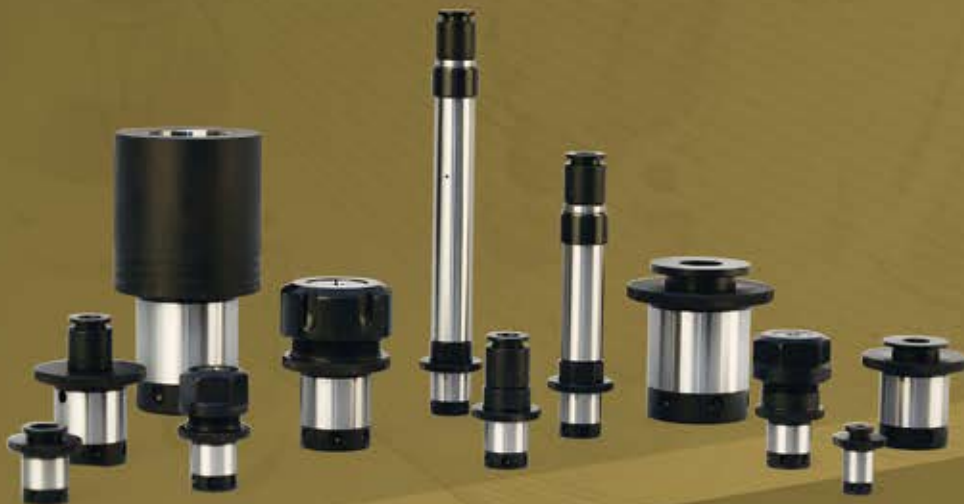
- 360 Degree radial float
- Adjustable centering pressure
- Ideal for tapping cast holes
- Through coolant design
- Available in Steep Taper, HSK, Straight and ACME shanks
- Quick change



TENSION / COMPRESSION

Ideal for CNC machines without rigid tapping. Eliminates over/undersized tapped holes and damaged threads.

- Axial compensation
- Adjustable tension compression ratio
- Quick change



TAP ADAPTERS

TM Smith Tool offers the largest selection of quick change tap adapters available on the market.

- Standard ball drive or tang drive adapters
- Adjustable length adapters
- Adapters range from #6 to 2"
- Available for ANSI, DIN, ISO and JIS standards
- Extensions available for fixture or part clearance
- Through coolant design
- ER collet style adapters for tapping or reaming
- Interchangeable with most Bilz style holders

FLOATING COLLET CHUCKS



TM Smith Tool's radial floating collet chucks are a preferred choice for reaming and tapping applications. The free floating design allows the reamer or tap to easily find an existing hole on a work piece. The holder design allows the operator to adjust the centering pressure for their specific application.

- 360 degree radial float
- Available in HSK, Steep Taper, Straight and ACME shanks
- Through coolant design
- Accepts standard ER collets (ER11 to ER40)
- Adjustable centering pressure

FULL LINE OF COLLETS AVAILABLE



COLLETS

- ER (SA)
- Double Angle
- TG
- Rubber & Steel Sealed
- Tap collets



ENGINEERED SOLUTIONS



When a complex part or fixture interference is making machining with a standard tool holder impossible, TM Smith Tool will design a custom solution for you.

We manufacture competitively priced "specials" while keeping delivery to a minimum. Contact one of our sales engineers today to discuss your application.

- Certified air gauging for HSK and Steep Taper shanks
- We manufacture special shrink fit, collet chucks, end mill holders & shell mill adapters
- Custom projections, OD's & insertions depths

QUICK CHANGE DRILLING

FOR CNC LATHES - Tool changes in just 5 seconds!



THE QUICK CHANGE SLEEVE ADAPTER (QCSA)

Uses proven **SMITH-LOCK®** technology to reduce machine downtime. It allows an operator to change tools in just 5 seconds. Once the **QCSA** is installed into a straight bore tool block it can be used with any **SMITH LOCK®** collet chuck or standard holder with a conversion nut. The collet chuck is easily inserted or removed from the sleeve adapter with a 1/4 turn of the locking shell.

- Designed for CNC lathes and screw machines
- Collet chucks available from ER16 to ER40
- Tool length can be pre-set
- Available with **BALL-LOCK®** system



COLLET EXTENSIONS

- ER (SA)
- Double Angle
- Custom lengths available



JACOBS TAPER TOOLING

- Available with an internal Jacobs #1, #2, #33, #3, #4 (Jiffy)
- Rigid collet chucks (ER)
- Rigid and floating quick change tap holders



AUTOMOTIVE SHANK TOOL HOLDERS (ACME)

- Rigid ER and DA collet chucks
- Rigid, radial floating and T & C tap holders
- ACME 1/2" to 1-7/8" & TR16 to TR36



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