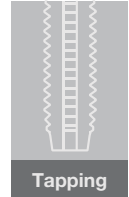


MEGA SYNCHRO[®] Tapping Holder

TAPPING RANGE: ANSI: No.0-AP1", JIS/DIN/ISO: M1-M36

Tool holder for rigid tapping compensates for synchronization errors during rigid tapping. Improves thread quality and tool life by reducing thrust loads caused by synchronization errors up to 90%.

* Patent is licensed from EMUGE



47 Body Models and 258 Tap Holder Models are Available

Large tap series achieves a maximum of AP1". An extensive variety of bodies suitable for many spindle types. Short, middle & long tap holders are standardized to cover between No.6 and AP1" (M2 and M36). The slim design avoids interference.

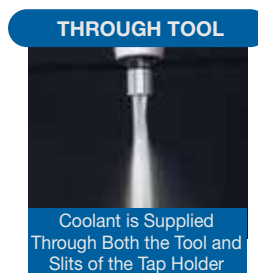


Secure Drive

The body and Tap Holder are fixed with a drive key in the rotation direction as well as the square of the tap.

Coolant Through Center Capability for All Models

Coolant is supplied both through the tool and to the tool periphery simultaneously.

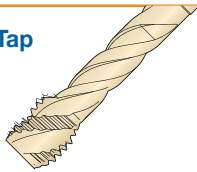




BIG Mega Synchro Tapping Holder compensates for synchronization errors with any type of tap.

Minimized thrust load to both the tap and workpiece improves thread quality and tap life.

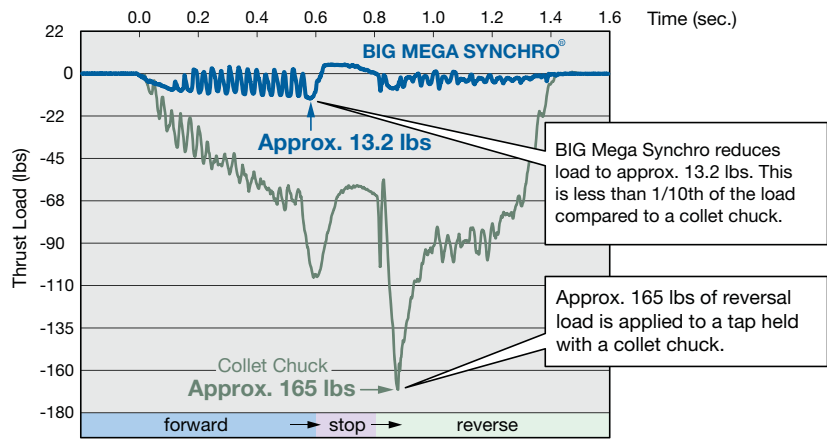
Load To Tap



Spiral Tap

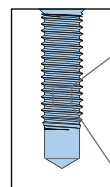
AU:1/4-20, N=1,000 RPM
Spiral grooves on spiral tap cause loading in the reverse direction, similar to an end mill.

※ Measured by Kistler Dynamometer



Comparison of Surface Finish

Tapping of exotic materials tends to cause a compressed burr on the thread surface. BIG Mega Synchro compensates for synchronization errors and minimizes the cutting load. Fine surface finish of threads is achieved.

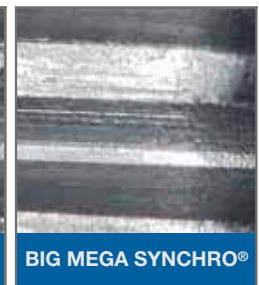


Spiral Tap

No.10-24
Material: 4130



COLLET CHUCK



BIG MEGA SYNCHRO®



Mega Micro Collet

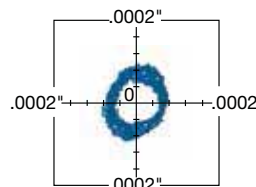
MGT3 For Small Tap

Tapping Range: ANSI: No.0-No.6, JIS/DIN/ISO: M1-M3
Eliminating synchronization errors and minimizing dynamic runout at high speeds provides stable thread quality and extended tool life.

- BBT Shank
- Cylindrical Shank
- N/C Lathe Tooling



Mega Micro Nut



Dynamic runout accuracy within .0002" (5µm) even at 5,000 RPM

Plotted position of a test bar (at .630" distance on .157" diameter)