

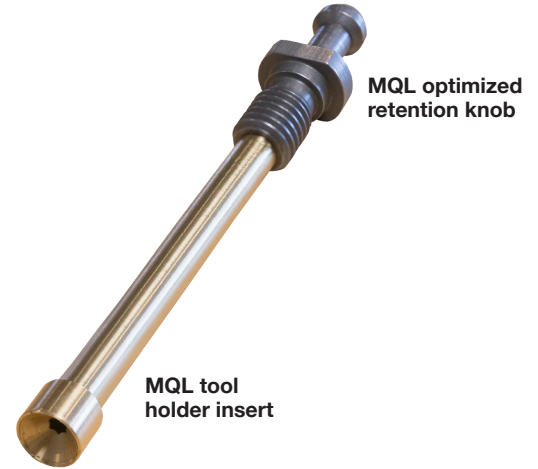
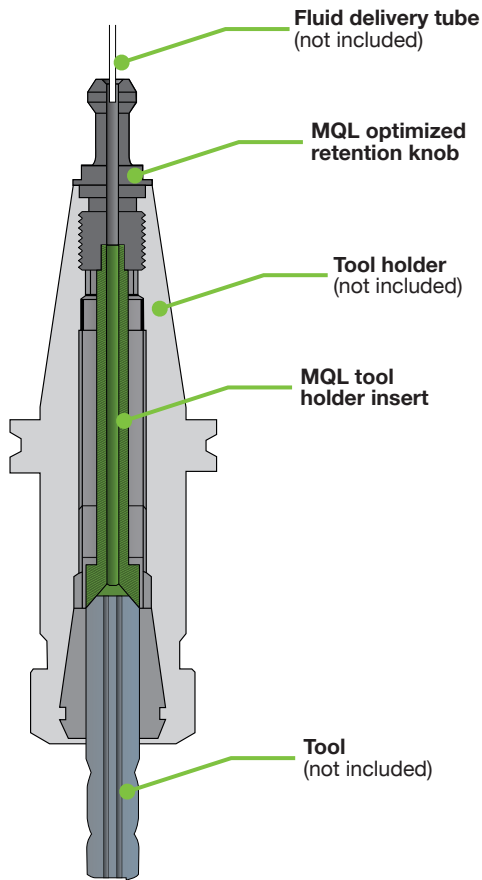


# MQL Tool Holder Kit

*Advanced Integrated Lubrication*

## The missing link

Unist MQL Tool Holder Kits fit into most common CAT and BT style tool holders. The MQL optimized retention knob and tool holder insert ensure proper aerosol delivery from the end of the spindle to the shank of the tool. The retention knob is specifically designed to interface with the fluid delivery tube and the tool holder insert. The tool holder insert greatly reduces the effects of rotation on the aerosol inside the tool holder, delivering a more consistent MQL output.



### How it works

When the tool holder is loaded in the spindle, the end of the fluid delivery tube is inserted into the MQL optimized retention knob. Air flowing past the end of the fluid delivery tube creates the MQL aerosol and carries it through the MQL tool holder insert to the shank of the tool. The consistent-diameter path prevents the fluid from being centrifuged away from the shank of the tool.

The tool holder insert is threaded into the MQL optimized retention knob and is available in a variety of sizes and lengths. The installed tool contacts the tapered portion of the insert forming a seal. The tool holder insert determines the tool offset length.



For best results, use Coolube® with your Unist system. Coolube® lubricants are 100% natural, biodegradable, and derived from renewable vegetable products. They are specifically formulated for superior MQL performance and contain no VOC's, chlorine, or silicone. Coolube® lubricants will not irritate machinists' skin or stain parts, and will never oxidize or leave a sticky residue.



Contact us today!  
Email [salesupport@unist.com](mailto:salesupport@unist.com)

## MQL optimized retention knob:

**Styles:** CAT 40, CAT 50, BT 40, BT 50

**Machine types:** Doosan, Fadal, Haas, Hurco, Johnford, Kitamura, Makino, Matsurra, Mazak, Mori-Seiki, Okuma, Toyota

Detailed knob dimensions are available online at [unist.com/thkit](http://unist.com/thkit)

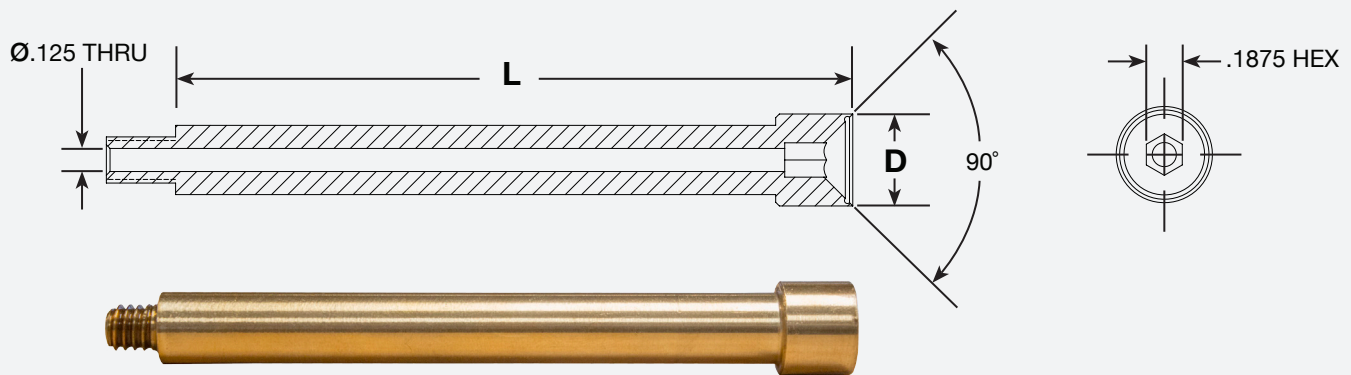


## MQL tool holder insert:

**Tube length L (in):** 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0

**Tool shank diameter D:** English (in): 0.2500, 0.3125, 0.3750, 0.4375, 0.5000, 0.5625, 0.6250, 0.5875, 0.7500

Metric (mm): 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20



Custom insert lengths and diameters are available on request

For more info on Unist **MQL Tool Holder Kits**  
please go to [unist.com/thkit](http://unist.com/thkit)

**NEED MORE  
INFORMATION?**

**800.253.5462**  
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