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JM Performance Products: High-Torque Retention Knob

Fairport, OH — A new high-torque retention knob from **JM Performance** Products can boost the productivity of machining operations. The retention knob is designed to reach deeper into the threaded bore of the toolholder. As a result, all thread engagement occurs in a region of the toolholder where there is a thicker cross-section of material, resisting deformation.



Retention knob installed in toolholder.

When tightened, poorly designed retention knobs can bulge the toolholder imperceptibly at the small end of the taper, preventing full contact and proper seating of the toolholder in the spindle. This slows cutting speeds, affects tolerances and precision, shortens tool life and even increases power consumption.

By combining the high-torque retention knob with the correct torque, spindle contact with the taper is improved to close to 100 percent every time. This can be verified by simple six-step "touch off" test, which is available at the company's website. More sophisticated measurement of toolholder expansion (bulge) can also be taken using a taper shank test fixture.

Contact: **JM Performance** Products, Inc., 1234 High Street, Fairport Harbor, OH 44077 440-357-1234 E-mail: sales@jmpinc.com Web: <http://www.jmperformanceproducts.com>

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High Performance RF Socket




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