

**Mike Keeney**

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**From:** Keeney, Mike  
**Sent:** 06/15/2005 07:48:14 AM  
**To:** Boyles, Derek; Norton, Vince  
**CC:** Vicars, Gerald; Greer, Donna L.  
**BCC:**  
**Subject:** RE:

We intentionally have an interference fit as we do not intend for the threaded post of the firing pin to support the bending moment induced by the sear/firing pin head interface. The belief was that the threads would overcome the interference when tightening with a wrench.

Mike

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**From:** Boyles, Derek  
**Sent:** Tuesday, June 14, 2005 5:37 PM  
**To:** Keeney, Mike; Norton, Vince  
**Cc:** Vicars, Gerald; Greer, Donna L.  
**Subject:**

I have a question about the design intention of the M710 firing pin and firing pin head...do you want these parts to have a clearance, transitional or interference fit when mated together? Right now, the size tolerances allow for an interference fit of .002. In addition, the [M...)]A] callout on the firing pin and the 2 positional controls on the firing pin head (.008 for the c-bore / .004 thread hole to c-bore) exceed the size tolerance allowable.

As you might have guessed, we have parts that meet the print requirements, but do not go together well.

Regards,

Derek Boyles  
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