

Mike Keeney

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

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 [*(.001)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
Senior Quality Engineer
Remington Arms Company
22 Rifle Trail, P.O. Box 99
Hickory, KY 42051
Phone: 270-856-4227
Fax: 270-856-3233