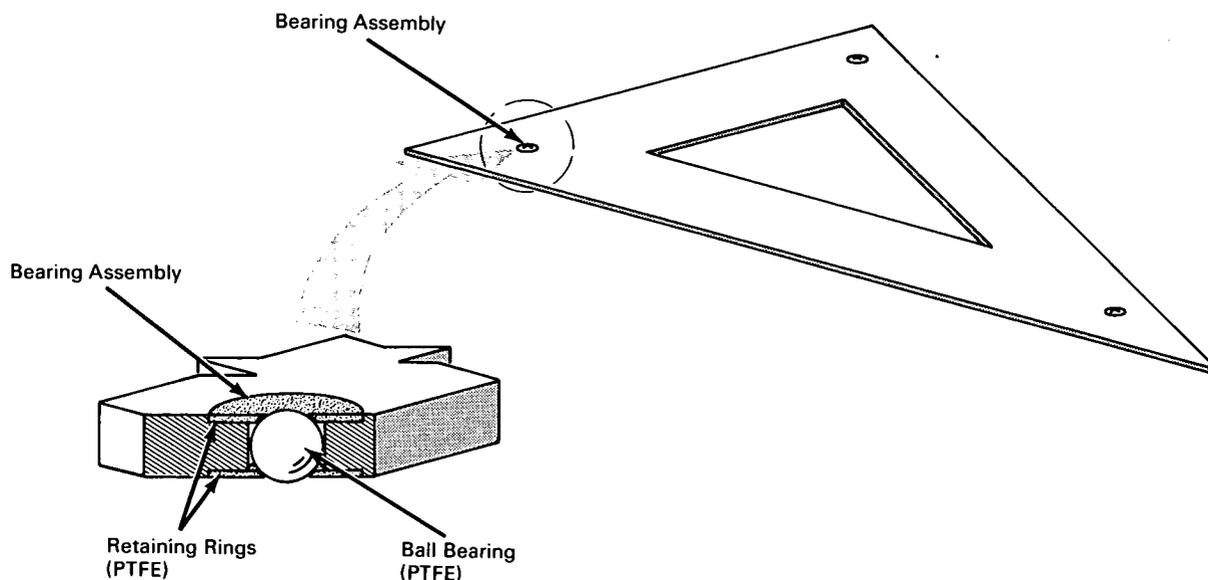


# NASA TECH BRIEF



NASA Tech Briefs are issued to summarize specific innovations derived from the U.S. space program, to encourage their commercial application. Copies are available to the public at 15 cents each from the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151.

## Concept for Modifying Drafting Instruments to Minimize Smearing



Drafting instruments, such as triangles, T-squares, and French curves in normal use tend to cause smearing of the ink or pencil lines on a drawing. Ball bearing standoffs added to the instrument, as illustrated for a triangle, would enable the instrument to be moved about, with its surface out of contact with the drawing paper and thus provide a safeguard against smearing of the lines.

### Note:

This innovation is only in the conceptual stage; neither a model nor a prototype has been constructed as of the date of this Tech Brief.

### Patent status:

No patent action is contemplated by NASA.

Source: T. A. Rennie  
of The Boeing Company  
under contract to  
Kennedy Space Center  
(KSC-10056)

Category 05