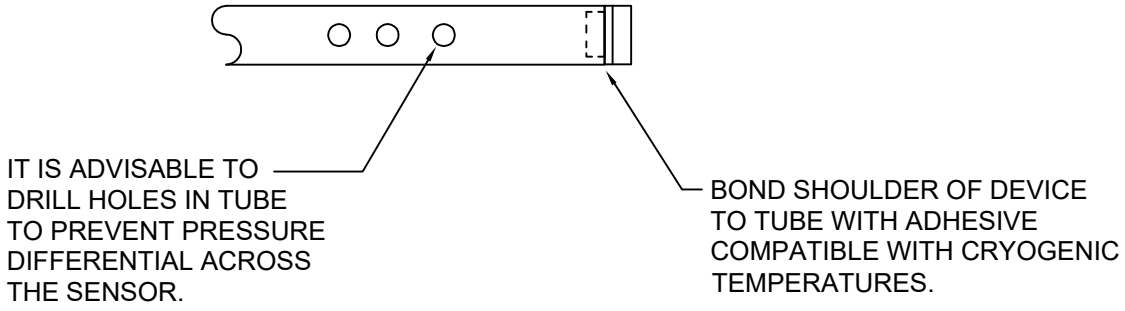
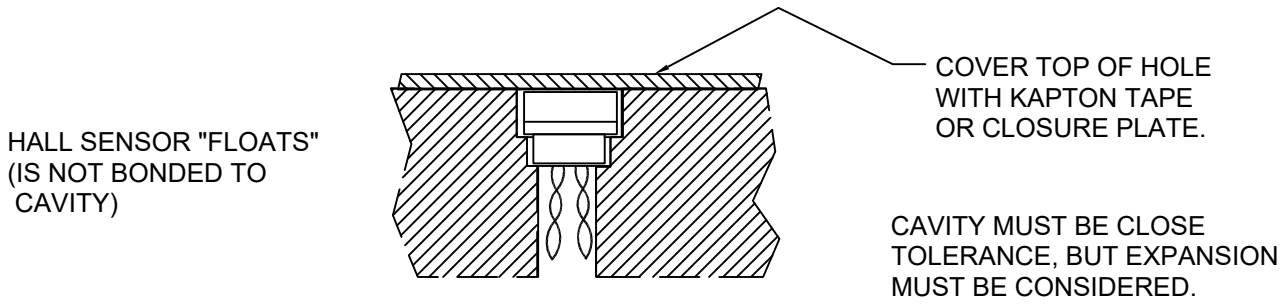
Mounting an Axial Cryogenic Hall Sensor

THERE ARE TWO GENERALLY ACCEPTABLE METHODS FOR MOUNTING AN AXIAL CRYOGENIC HALL SENSOR.

1. TUBE MOUNT
   THE AXIAL HALL SENSOR PACKAGE IS DESIGNED FOR MOUNTING TO THE END OF A 0.25" DIAMETER TUBE. SEE THE SKETCH BELOW.



2. CAVITY MOUNT
   IT IS SUGGESTED THAT, WHEN POSSIBLE, THE SENSOR PACKAGE BE ALLOWED TO "FLOAT" RATHER THAN BE RIGIDLY BONDED. A CAVITY MUST BE PREPARED IN THE MOUNTING SURFACE.



SOME PRACTICES TO AVOID:

DO NOT COMPLETELY POT THE SENSOR WITH EPOXY OR OTHER POTTING COMPOUNDS..

DO NOT MOUNT THE FRONT OF THE SENSOR TO A SURFACE WITH ADHESIVE.

DO NOT APPLY FORCE TO THE LEADS. THEY CAN BREAK QUITE EASILY.

Lake Shore CRYOTRONICS
a DwyerOmega brand