

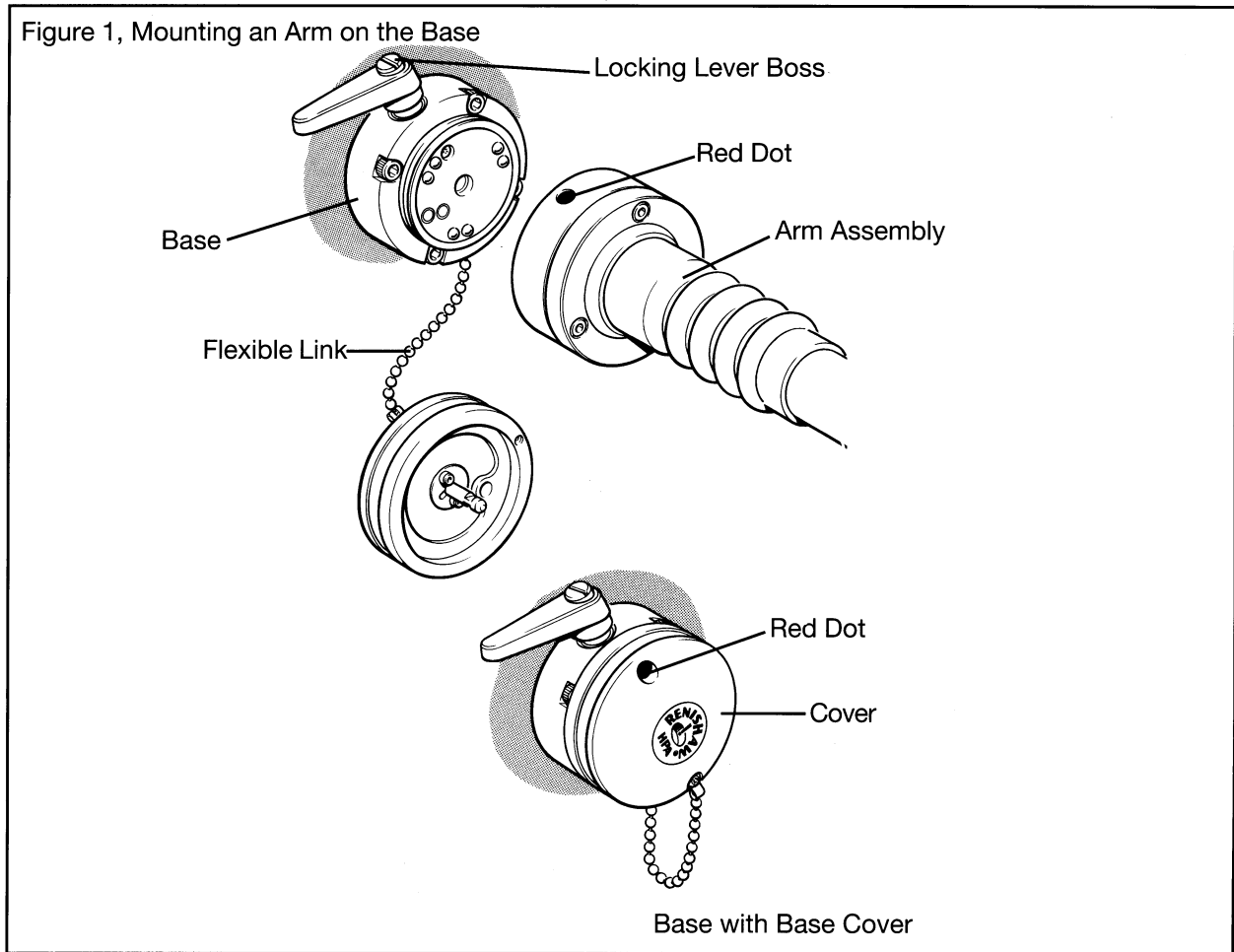
HPA High Precision Arm

HPA Installation & User's Guide H-2000-5039-01-A - ADDENDUM

Changes to the Renishaw High Precision Arm (HPA) with a Ø85mm bases (brought about by the introduction of a High Spring Force version, which is fitted with a larger locking lever) are shown in this Addendum.

CAUTION: WHEN FITTING THE ARM OR COVER TO THE BASE, ALIGN THE ALIGNMENT MARK (RED DOT) ON THE ARM OR THE COVER WITH THE LOCKING LEVER BOSS (AS SHOWN IN FIGURE 1).

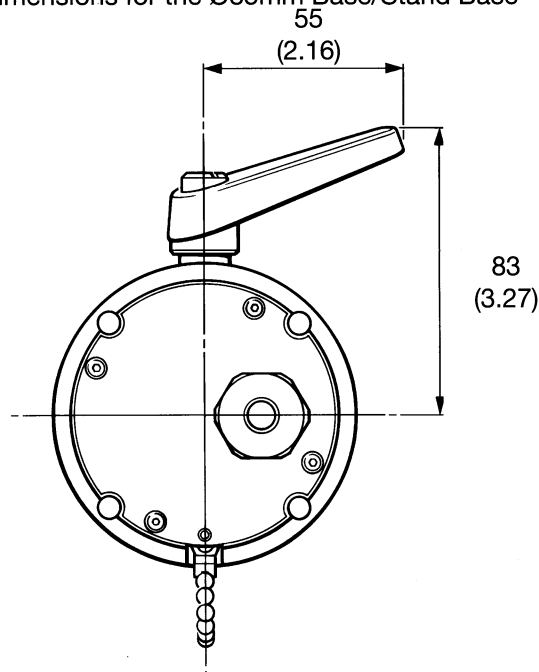
NOTE: The New Locking Lever can be "indexed" by pushing down (relative to boss), rotating to desired position and then releasing.



Locking Lever dimensions have increased for the Ø85mm base/stand base (as shown in Figure 2).

Figure 2, New Locking Lever Dimensions for the Ø85mm Base/Stand Base

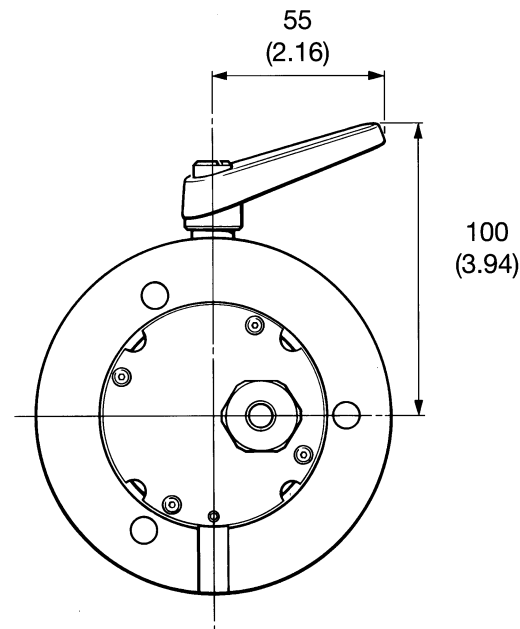
dimensions mm (in)



Locking Lever dimensions have also increased for the Ø120mm base/stand base (as shown in Figure 3).

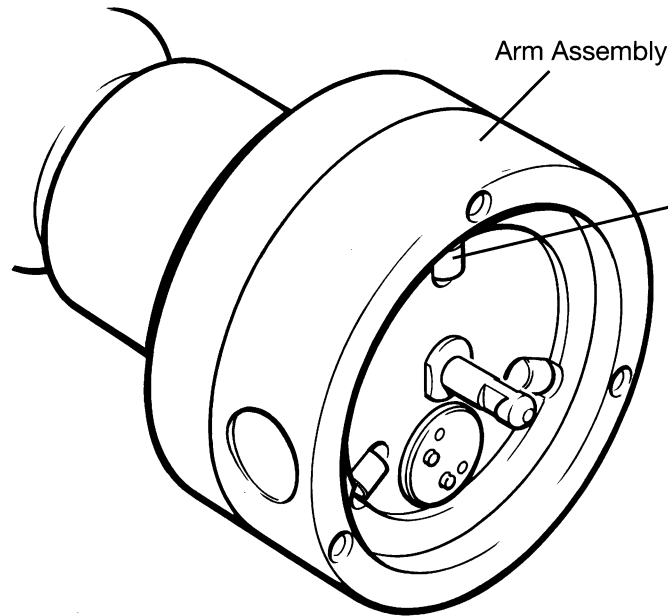
Figure 3, New Locking Lever Dimensions for the Ø120mm Base/Stand Base

dimensions mm (in)



To ensure optimum repeatability of the HPA, it is important to ensure location kinematics are clean and greased (as shown in Figures 4 and 5).

Figure 4, Greasing of Kinematic Rollers for Ø85mm Units

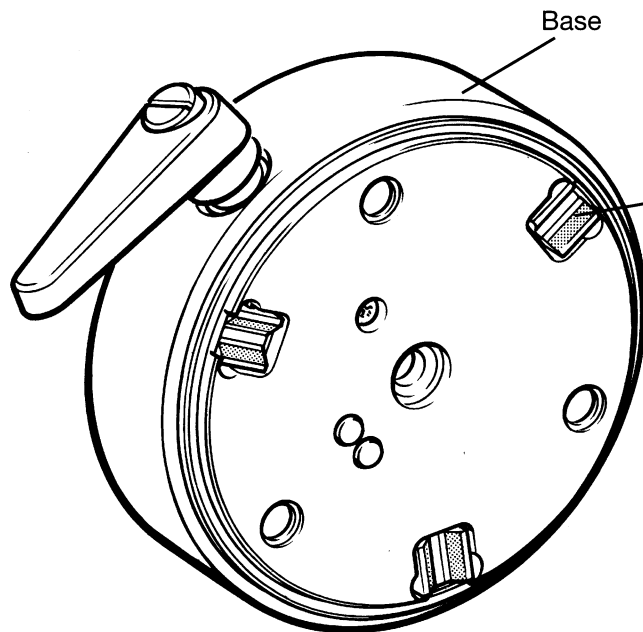


Wipe clean and apply MOLYSLIP Multi Purpose Grease (MPG) to each of the 3 rollers.

Renishaw Part No. for Grease is P-LU03-0002

Ensure mating balls in base are also wiped clean.

Figure 5, Greasing of Kinematic Vee Inserts for Ø120mm Units



Wipe clean and apply MOLYSLIP Multi Purpose Grease (MPG) to the angled faces of the 3 Kinematic Vee Inserts.

Renishaw Part No. for Grease is P-LU03-0002

Ensure mating balls in arm are also wiped clean.