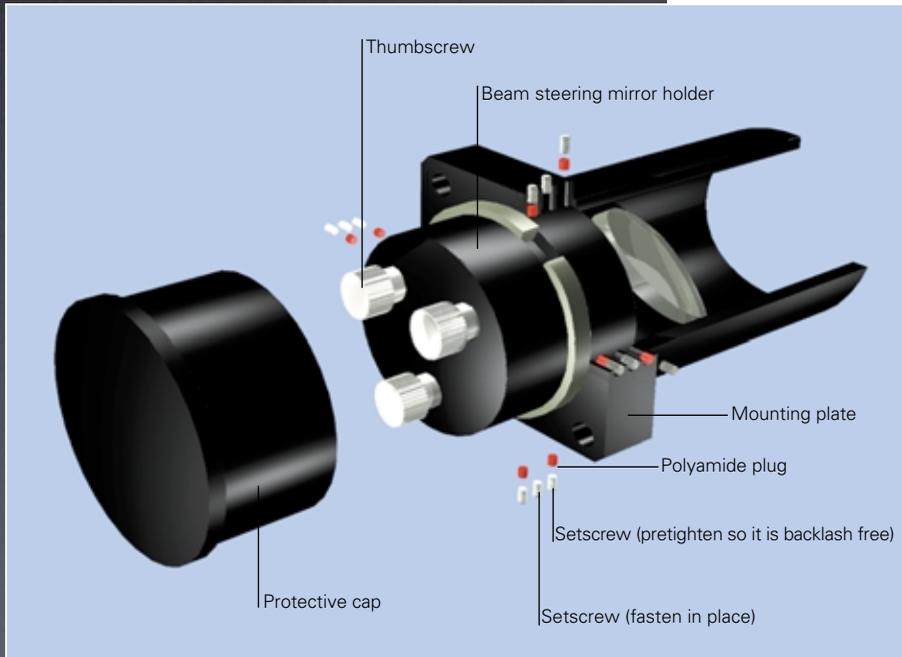


# Using Polyamide Plugs in Beam Steering Mirror Holders/Prism Tables



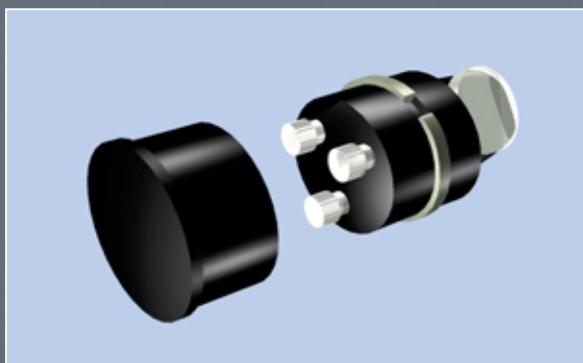
The beam steering prism holders and prism tables or supports 25 and 30 are microbench components that allow mirrors and prisms to be fine-adjusted to an exceptional degree. They are offered in the widest variety of versions: rotatable in a mounting plate or as built-in elements. For beam steering prism holders and prism tables or supports, the polyamide plugs are inserted before the eight setscrews are attached to the mounting plate. The setscrews are slightly pretightened to prevent the holder, table or support from tipping over during rotation or subsequent attachment. If you fasten a beam steering prism holder, a prism table or support to a mounting plate or

cube and want to be able to rotate the holder, table or support later without any backlash, you need to use the polyamide plugs as briefly instructed on page 17.



## Prism Table 25 / Beam Steering Mirror Assembly:

- 3 thumbscrews for adjusting tilt angles and setting the axial position (angular adjustment ranges of  $\pm 4^\circ$ , rotatable by  $360^\circ$ )
- mirror rotatable in mounting plate
- protective cap for preserving thumbscrew settings



## Beam Steering Mirror Holder 30 / Prism Support 30

- 3 thumbscrews for adjusting tilt angles and setting the axial position
- without mounting plate
- mates to cube 30, mounting plate 30 or clamping holder 30
- protective cap for preserving thumbscrew settings

### Inserting Polyamide Plugs:

- Tool required: screwdriver
- Polyamide plug tree

Guide the polyamide plug into the thread and break off the plug from the tree by inserting the blade of the screwdriver right at the premarked breaking point.

Tighten all eight setscrews uniformly so that the beam steering mirror holder, prism table or support offers slight resistance when you turn it, but is backlash free. Place a setscrew in one of the middle threaded holes without a polyamide plug to fasten the holder, table or support. By doing this, now the holder, table or support is supported so that it can be rotated. To adjust its position, slightly loosen the setscrew, turn the holder, table or support to the desired position and retighten the setscrew.

