

BUEHLER® Target Holders

Target Holder for Controlled Material Removal

- Bulk or Glass Slide Mounting
- For Hand-held or Semi-automatic Specimen Preparation
- For Mounted Samples of 25mm, 30mm, 40mm, 1", 1¼" and 1½" in Diameter
- MicroElectronic Components



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Target Holder for various purposes

All holders utilize a precise scale allowing you to extend perimeters within 20 microns or better. Different inner parts allow various functions to be performed. The Target Holders have interchangeable stop rings of different material making it possible to use both soft and hard abrasives.

Mounted samples can be ground and polished to a specified depth for controlled material removal. Planarity is maintained and is ideal for serial cross sectioning analysis in 3D reconstruction.

Glass Slide Holders are used for petrographic and histologic thin sections, which can be lapped or ground to final thickness of 30 microns or less. The final polish is accomplished by lifting the stop ring away from the surface. The holder accepts both 28x48mm and 27x46mm slides. Other applications include Biomedical, Semiconductors, Crystals, Electro-optical and Piezo-electrical materials that need to be thinned. These holders can also be used for backside and frontside grinding of microelectronic packages.

Microelectronic Devices often need to be cross sectioned along a plane. Not only will the holder stop the material removal where desired, but the micrometer will allow you to set the proper angle, aligning all features of interest simultaneously. This is often needed when examining PC boards or cross sections of flip chip and its BGA solder balls.

Two different stop rings enable grinding on a variety of abrasives. Typically these holders are used for metals and plastics including printed circuit boards (PCB). The stop ring has a hardened surface that is more ductile and therefore is abraded less when diamonds are used. The stop rings are held by magnets and can easily be changed or replaced if needed.

Products and Specifications

- 60-8097** Target Holder for 1" x 3" glass slides (fixed stop ring)
- 60-8100*** Target Holder for parallel abrasion (histologic glass slides) 28 x 48mm and 27 x 46mm
- 60-8101*** Target Holder for 25mm & 1" mounted specimens
- 60-8102*** Target Holder for 1¼" (30mm) mounted specimens
- 60-8103*** Target Holder for 1½" (40mm) mounted specimens
- 60-8105*** Target Holder for aligning features (electronics)
- 20-8210** Square Mount (5 x 35mm) for Electronic Holder 60-8105
- 60-8110** Stop Ring with ceramic coating; use with SiC, alumina, diamond and silica abrasives
- 60-8111** Stop Ring with hardened steel surface
- 20-8482** Reusable Silicone Mold, 2" (50mm) diameters holds square mount 20-8210

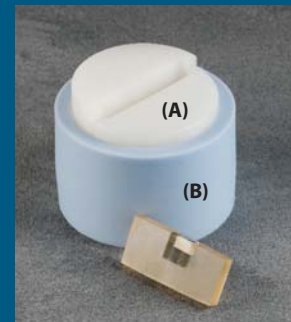
* Ceramic & Steel Stop Rings included



Bulk mount Target Holders come in a variety of sizes 60-8101 through 60-8105.



Target Holder for aligning features (i.e. Flip Clip Solder Balls) 60-8105



(A) Square mount (5 x 35mm) for Electronic Holder 60-8105. (B) Reusable Silicone Mold 20-8482.

Cover: shows 60-8100 (left) and 60-8101 (right)
Buehler continuously makes product improvements; therefore, technical specifications are subject to change without notice.



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