

Target Holders

for Controlled Material Removal



BUEHLER

Excellent Results. Easily Repeatable.™

Reduce Preparation Steps

All holders utilize a precise scale allowing you to extend perimeter within 20µm 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 specimens 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 ground to final thickness of 30µm 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.

Microelectronic Devices often need to be cross sectioned along a plane. These holders can be used for backside and frontside grinding of microelectronic packages.

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 steel 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 be easily changed or replaced if needed. The ceramic coated ring can be used with any abrasive and has a longer life versus hardened steel in most cases.

Productivity and Optimization

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

60-8100 Stop Ring with ceramic coating; use with SiC, alumina, diamond and silica abrasives

60-8111 Stop Ring with hardened steel surface, use with any abrasive

**Ceramic & Steel Stop Rings included*



Bulk mount Target Holders come in a variety of sizes 60-8101 through 61-8105.



Target Holder for 1" x 3" glass slides 69-8097

Cover: (left) Target Holder for 28 x 48mm and 27 x 46mm glass slides (60-8100); (right) Target Holder for 25mm & 1" mounted specimens (60-8101)

For a complete listing of consumables, please refer to our Consumables Buyer's Guide. Buehler continuously makes product improvements; therefore, technical specifications are subject to change without notice.



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