

BUEHLER® PWB Met™ SMALL HOLE ACCESSORY

- Cross-Sections Printed Wiring Board Through-Holes
- Suitable for Microvia Holes
- Accurate Down to .004" (100μm) Diameter Holes
- Enhances Productivity, Holds 18 Coupons
- Mounts on Buehler 12" (30.5cm) Grinder-Polishers
- Precision Poly-Crystalline Diamond Stops
- Cast Coupons Directly into the Accessory



BUEHLER

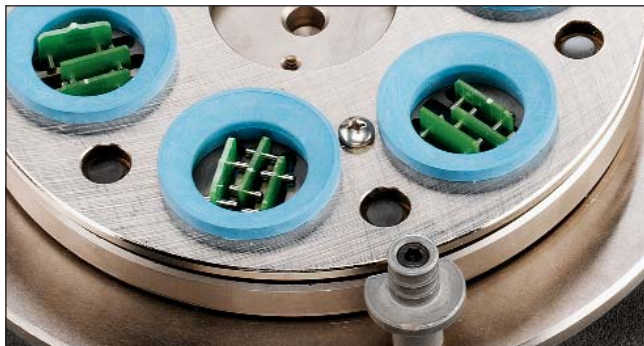
The PWB Met™ Small Hole Accessory is designed to meet the printed wiring board (PWB) industry demands that require use of smaller through-holes. It serves as a multiple mount preparation holder for accurately cross-sectioning coupons with through-holes down to 0.004" (100µm) in diameter. This accessory will prepare up to 18 coupons (36 holes) 1/8" (3.18mm) thick, and as long as 1" (25.4mm), in 6 separate cavities simultaneously.

Holes are precision drilled and located properly with our PWB Met™ Digital Alignment Drill (No. 60-515) in order to cross-section a through-hole to the correct plane. Coupons are loaded onto precision index pins using a Coupon Index Pin Loader and are then inserted into the PWB Met Small Hole Accessory mold cavity. Casting coupons in the accessory secures coupons for grinding/ polishing. Sample removal with the PWB Met™ Sample Extractor (No. 60-5185) permits easy removal without inducing scratches.

Precision polycrystalline diamonds stops assure that a common centerline axis of coupon test holes is consistently achieved. The PWB Met Small Hole Accessory is designed to function with any conventional Buehler 12" (30.5cm) rotary polisher or with a NelsonZimmer® System.

Specifications

60-5175 PWB Met Small Hole Accessory, includes a precision holder with 6 cavities, each capable of holding up to 3 printed wiring board coupons, top mold plate and magnetic mold base for accurate board encapsulation, 6 polycrystalline diamond stops (60-5173), lever actuated pin loader, drive for lift-lock chuck (19505152), silicone mold release spray (20-3406), 3000 indexing pins, dial indicator calibration gauge, gauge blocks and operating instructions.



Coupons positioned in the PWB Met Small Hole Accessory.

Accessories

60-5061 Replacement Cup for Upper Plate, quantity 6

60-5062 Replacement Bottom Pad for Lower Plate, quantity 6

60-5173 Polycrystalline Diamond Stop

60-5093 Polycrystalline Diamond Long Stop Assembly

60-5094 Polycrystalline Diamond Short Stop Assembly

60-5097 PWB Met Sample Holder with Stops (3 Slots)

60-5098 PWB Met Sample Holder with Blanks

60-5185 PWB Met Sample Extractor (Polisher Samples)

60-5186 PWB Met Short Pin Loader, for 3/8" long pins

60-5084 PWB Met Pins, 3000, 3/8" long

Recommended Castable Mounting Compounds

20-3560 SamplKwick® Fast Cure Acrylic Kit



PWB Met Short Pin Loader (No. 60-5186) and mounted coupons.

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

© 2006 BUEHLER LTD. Printed in U.S.A. 10M0106 FN01288 *For metallurgical equipment produced by BUEHLER LTD. USA



BUEHLER

BUEHLER LTD. - Worldwide Headquarters
41 Waukegan Road • P.O. Box 1
Lake Bluff, Illinois 60044-1699 USA
Tel: 847/295-6500 • Fax: 847/295-7979
Sales: 1/800/BUEHLER • 1/800/283-4537
Web Site: <http://www.buehler.com>
Email: info@buehler.com

BUEHLER GMBH - European and MESA Headquarters

In der Steele 2 • 40599 Düsseldorf
Postfach 16 03 55 • 40566 Düsseldorf
Telefon: (49) 211 974100 • Telefax: (49) 211 9741079
Web Site: <http://www.buehler-met.de>
Email: info@buehler-met.de

BUEHLER FRANCE

Téléphone: 0800 89 73 71
Télécopie: 0800 88 05 27
Web Site: <http://www.buehler.fr>
Email: info@buehler.fr

BUEHLER UNITED KINGDOM

Telephone: 0800 707 6273
Fax: 0800 707 6274
Web Site: <http://www.buehler.co.uk>
Email: sales@buehler.co.uk

BUEHLER CANADA

10 Carlow Court, Unit #2
Whitby, Ontario L1N 9T7
Telephone: (905) 430-4684 • Fax: (905) 430-4647
Sales Telephone: 1-800-268-3593
Email: info@buehler.ca

BUEHLER ASIA

5/F Vogue Centre
696 Castle Peak Road
Lai Chi Kok, Kowloon
Hong Kong, SAR, China
Telephone: (852) 2307 0909
Fax: (852) 2307 0233