

BUEHLER®

DELTA™ 2315 AUTOMATIC CHOP CUTTER

BASIC SYSTEM CONFIGURATION

The DELTA™ 2315 Automatic Chop Cutter is a rugged, abrasive cutter that increases productivity using patent pending automatic chop action, SMARTCUT, and programmability. Automatic Chop Action produces burn free cuts quickly and consistently eliminating damage to sample or machine. Combined with user selected feed rate, DELTA's Chop Action also provides excellent results for multiple operators and a wide variety of materials. Unit comes standard with three 10-2326 T-Slot beds with X & Y dual directional positioning, 16" (406mm) and 14" (355mm) wheel capacity, and Base Cabinet with doors.

MODEL SPECIFICATIONS AND FACTORY INSTALLED OPTIONS FOR DELTA AUTOMATIC ORBITAL ABRASIVE CUTTER

| | |
|---|--------------|
| DELTA Cutter with 10Hp (7.5kW) Motor for 200-220V/60Hz/3 Phase | 10-2315-260 |
| DELTA Cutter with 10Hp (7.5kW) Motor for 460V/60Hz/3 Phase | 10-2315-460 |
| DELTA Cutter with 10Hp (7.5kW) Motor for 200-220V/50Hz/3 Phase | 10-2315-250 |
| DELTA Cutter with 10Hp (7.5kW) Motor for 400V/50Hz/3 Phase | 10-2315-400 |
| DELTA Cutter with 10Hp (7.5kW) Motor for 200-220V/60Hz/3 Phase, with Electronic Brake | 10-2315B-260 |
| DELTA Cutter with 10Hp (7.5kW) Motor for 460V/60Hz/3 Phase, with Electronic Brake | 10-2315B-460 |
| DELTA Cutter with 10Hp (7.5kW) Motor for 200-220V/50Hz/3 Phase, with Electronic Brake | 10-2315B-250 |
| DELTA Cutter with 10Hp (7.5kW) Motor for 400V/50Hz/3 Phase, with Electronic Brake | 10-2315B-400 |

FIELD OR FACTORY INSTALLED OPTIONS

| | |
|---|-------------|
| Filter Conveyor, Swarf Removal System | 10-2333** |
| Large Recirculating System on Wheels* | 10-2332** |
| Serial Cutting Table, 'X' Direction | 10-2341† |
| Fume Extractor | 10-2342** |
| Smoke Filter Kit | 10-2342-030 |
| Fume Filter Kit | 10-2342-031 |
| Ducting Kit | 10-2342-032 |
| Activated Charcoal Fume Filter | 10-3350-001 |
| Side Panel Splash Guard (pair) | 10-2247 |

OPTIONAL SYSTEM ACCESSORIES

| | |
|---|---------|
| Additional T-Slot Beds & Vises | |
| T-Slot Bed with 3 T-Slots, standard bed with X-axis vise positioning | 10-2325 |
| T-Slot Bed with X & Y Cross-slots for most versatile dual directional positioning of vises* | 10-2326 |
| Sliding, Left Hand Vise | 10-3529 |
| Sliding, Right Hand Vise | 10-3530 |
| Angle Cutting Attachment, cuts up to 45° in 5° increments | 10-3515 |
| Speed Vise Kit Large, for holding irregular shaped samples (pair)* | 10-3523 |
| Adjustable Vee Blocks (pair) | 10-3525 |
| Horizontal Clamp for Speed Vise Kit (pair) | 10-3526 |
| Vee Clamp Block Kit (pair) | 10-3527 |

* Recommended selections for most applications ** Select same voltage as chosen for DELTA Cutter

† If option 10-2341 is chosen, the cutting envelope is reduced by 3/8" (18mm).

Additional T-Slot Beds & Vises (cont.)

| | |
|--|---------|
| Riser Block for Speed Vise, Large (pair) | 10-3528 |
| Met Klamp VII Vise for Delta, Left Hand | 10-2245 |
| Met Klamp VII Vise for Delta, Right Hand | 10-2246 |

Cutting Envelope

Maximum diameter of sample: 6" (152mm) with 16" (406mm) wheel: 5" (127mm) with 14" (355mm) wheel

**METABRASE™ ABRASIVE CUT-OFF WHEELS FOR DELTA 2315
AUTOMATIC CHOP CUTTER**

DELTA Chop Action Cutters combined with DELTA and METABRASE Chop Cut-off Wheels, are specially formulated for perfect, burn free sections and minimal deformation of cut. Created to maximize the technological advances of the DELTA Chop Cutters, the METABRASE wheels are engineered to provide long life and a better cut surface.

Diameter x Thickness x Arbor

16" Diameter x 1¼" (400mm x 31.75mm) Wheels, Ten per Box (see thickness below)

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|--|-------------|
| DELTA Cut-off Wheels for Tool Steels RC60 and above, carburized steels, RR/Al ₂ O ₃ , 0.120" (3.0mm) | 10-5610-005 |
| DELTA Cut-off Wheels for Medium Hard Steels RC35-50, RR/Al ₂ O ₃ , 0.120" (3.0mm) | 10-5616-005 |
| DELTA Cut-off Wheels for Soft or Annealed Steels RC15-35, Rb46-90, RR/Al ₂ O ₃ , 0.120" (3.0mm) | 10-5620-005 |
| DELTA Cut-off Wheels for Medium Hard Nonferrous Materials, Uranium, Titanium, Zirconium, R/SiC, 0.090" (2.3mm) | 10-5645-005 |
| DELTA Cut-off Wheels for Soft Nonferrous Materials, Aluminum, Brass, etc., R/SiC, 0.160" (4.0mm) | 10-5650-005 |

14" Diameter x 1¼" Arbor (355mm x 31.75mm) Wheels, Ten per Box (see thickness below)

| | |
|--|-------------|
| DELTA Cut-off Wheels for Tool Steels RC60 and above, carburized steels, RR/Al ₂ O ₃ , 0.075" (1.9mm) | 10-4310-010 |
| DELTA Cut-off Wheels for Hard Steels RC50, RR/Al ₂ O ₃ , 0.115" (2.9mm) | 10-4312-010 |
| DELTA Cut-off Wheels for Medium Hard Steels RC35-50, RR/Al ₂ O ₃ , 0.100" (2.5mm) | 10-4316-010 |
| DELTA Cut-off Wheels for Soft or Annealed Steels RC15-35, Rb46-90, RR/Al ₂ O ₃ , 0.100" (2.5mm) | 10-4320-010 |
| DELTA Cut-off Wheels for Medium Hard Nonferrous Materials, Uranium, Titanium, Zirconium, R/SiC, 0.094" (2.4mm) | 10-4345-010 |
| DELTA Cut-off Wheels for Soft Nonferrous Materials, Aluminum, Brass, etc., R/SiC, 0.085" (2.2mm) | 10-4350-010 |

For a complete listing of Buehler consumable supplies for use with the DELTA Cutter, please refer to Buehler's Consumables Buyer's Guide. Buehler continuously makes product improvements; therefore, technical specifications subject to change without notice.

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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.com

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: 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