

BUEHLER®

DELTA™ 2314 AUTOMATIC CHOP CUTTER

BASIC SYSTEM CONFIGURATION

The DELTA™ 2314 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 7.5Hp (5.5kW) Motor for 200-220V/60Hz/3 Phase	10-2314-260
DELTA Cutter with 7.5Hp (5.5kW) Motor for 460V/60Hz/3 Phase	10-2314-460
DELTA Cutter with 7.5Hp (5.5kW) Motor for 200-220V/50Hz/3 Phase	10-2314-250
DELTA Cutter with 7.5Hp (5.5kW) Motor for 400V/50Hz/3 Phase	10-2314-400
DELTA Cutter with 7.5Hp (5.5kW) Motor for 200-220V/60Hz/3 Phase, with Electronic Brake	10-2314B-260
DELTA Cutter with 7.5Hp (5.5kW) Motor for 460V/60Hz/3 Phase, with Electronic Brake	10-2314B-460
DELTA Cutter with 7.5Hp (5.5kW) Motor for 200-220V/50Hz/3 Phase, with Electronic Brake	10-2314B-250
DELTA Cutter with 7.5Hp (5.5kW) Motor for 400V/50Hz/3 Phase, with Electronic Brake	10-2314B-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

* 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.)

Vee Clamp Block Kit (pair)	10-3527
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 2314
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)

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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SECTION**

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