

BUEHLER®

DELTA™ ABRASIMET® 2145 MANUAL CHOP CUTTER

BASIC SYSTEM CONFIGURATION

The DELTA™ ABRASIMET 2145 manual abrasive chop action cutter is used for a wide variety of material and laboratory applications. Its compact design allows the DELTA to fit comfortably on most laboratory tables and workbenches. This model provides the operator the ability to manually control the cutting operation producing burn free cuts quickly and consistently. The 2145 unit's industry approved hood switch is activated when the cutting hood is lifted, stopping the blade rotation. The DELTA ABRASIMET 2145 comes standard with hood switch, integrated stainless steel T-slot bed, 10" (254mm) wheel capacity, a selection of cut-off wheels and operator's manual. Select all other accessories, including recirculating system and vises to meet your customized application.

MODEL SPECIFICATIONS AND FACTORY INSTALLED OPTIONS FOR DELTA MANUAL ABRASIVE CHOP CUTTER

DELTA Cutter with 4Hp (3.0kW) Motor for 220V/50Hz/3 Phase	10-2145-250
DELTA Cutter with 4Hp (3.0kW) Motor for 220V/60Hz/3 Phase	10-2145-260
DELTA Cutter with 4Hp (3.0kW) Motor for 400V/50Hz/3 Phase	10-2145-400
DELTA Cutter with 4Hp (3.0kW) Motor for 440V/60Hz/3 Phase	10-2145-460

RECOMMENDED SYSTEM ACCESSORIES

Recirculating System and Accessories	
Recirculating System for 220V/50Hz/ 3 Phase	10-2165**
Recirculating System Cart	16-1497

OPTIONAL SYSTEM ACCESSORIES

Vises	
Standard, Left Hand Vise	95-C1821
Standard, Right Hand Vise	95-C1822
Fastener Vise	10-2172
Speed Vise Kit (Small) for holding irregular shaped specimens (pair)	95-C1823
Riser Blocks for Speed Vise, (pair)	10-3532
Sliding Vise, Left Hand*	10-2170
Sliding Vise, Right Hand*	10-2171
Base Table	
Sturdy TECH-MET® Table 30" (762mm) high	16-1498
Sturdy TECH-MET® Table 36" (920mm) high*	16-1499
Cutting Envelope	
Maximum diameter of sample: 3.75" (95mm) with 10" (254mm) wheel and 2.5" (64mm) flange	

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

METABRASE™ ABRASIVE CUT-OFF WHEELS FOR DELTA ABRASIMET 2145 MANUAL ABRASIVE CHOP CUTTERS

METABRASE™ Abrasive Cut-off Wheels, combined with the DELTA ABRASIMET 2145 Abrasive Cutter, are specially formulated for perfect, burn free and minimal deformation cuts. Created to maximize the technological advances of BUEHLER Chop cutters, the METABRASE blades are engineered to provide long life and a better cut surface.

Recommended Use	Diameter	Thickness	Catalog Number
Tools Steels HRC60 & Above, Carburized Steels, RR/Al2O3	10" (254mm)	0.075" (1.9mm)	10-9210-010
Hard Steels HRC50, RR/Al2O	10" (254mm)	0.075" (1.9mm)	10-9212-010
Medium Hard Steels HRC35-50	10" (254mm)	0.075" (1.9mm)	10-9216-010
Soft or Annealed Steel HRC15-35, HRB46-90	10" (254mm)	0.063" (1.6mm)	10-9220-010
Delicate Cutting (Ultra Thin Blade)	10" (254mm)	0.040" (1.0mm)	10-9227-010
Hard Non-Metallics, Glass, Rocks, and Other Hard Materials	10" (254mm)	0.063" (1.6mm)	10-9240-010
Medium Hard Nonferrous Materials, Uranium, Titanium, Zirconium	10" (254mm)	0.063" (1.6mm)	10-9245-010
Soft Nonferrous Materials, Aluminum, Brass, etc.	10" (254mm)	0.063" (1.6mm)	10-9250-010

* Recommended selection for most applications

For a complete listing of Buehler consumable supplies for use with the DELTA Abrasive Cutters, 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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