

BUEHLER®

# DELTA™ ABRASIMET 2155 MANUAL CHOP CUTTER

## BASIC SYSTEM CONFIGURATION

The DELTA™ 2155 is a manual abrasive chop action cutter used for a wide variety of material and laboratory applications. The DELTA's compact design allows it to fit comfortably on most laboratory tables or work benches. This DELTA model provides the operator the ability to control the cutting operation producing burn free cuts quickly and consistently. The DELTA 2155 combines an industry approved hood lock and mechanical brake to immediately stop the blade rotation before the operator may open the hood and is CE marked meeting all relevant standards. The DELTA 2155 comes standard with hood lock, mechanical brake, integrated T-slot bed, 254mm (10") wheel capacity and a selection of cut-off wheels and operator's manual. Select all other accessories 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 .....	10-2155-250
DELTA Cutter with 4Hp (3.0kW) Motor for 220V/60Hz/3 Phase .....	10-2155-260
DELTA Cutter with 4Hp (3.0kW) Motor for 400V/50Hz/3 Phase .....	10-2155-400
DELTA Cutter with 4Hp (3.0kW) Motor for 440V/60Hz/3 Phase .....	10-2155-460

## 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 2155 MANUAL ABRASIVE CHOP CUTTER

METABRASE™ Abrasive Cut-off Wheels, combined with the DELTA 2155 Abrasive Cutter, is 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/AI203	10" (254mm)	0.075" (1.9mm)	10-9210-010
Hard Steels HRC50, RR/AI20	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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