

# Air-Driven Mica-Miller

The Air-Driven Mica-Miller is lightweight, rugged, and powerful tool that is very popular. This undercutter is available in two models for use with High-Speed Steel or Tungsten-Carbide saw blades.

The 5,800 R.P.M. model, for use with solid carbide saw blades, is great for prolonged use on larger commutators. Less stopping to change blades saves you time and money.

Uses the three interchangeable heads described below. Full load saw spindle speeds at 90 lbs. air pressure are as follows:

**At 90 lbs. air pressure, Air Motor, for H.S.S. Saws develops .6 h.p. and for Tungsten-Carbide Saws develops 1.0 h.p. Overall length 14-1/4".**



If you do not already have an automatic oiler in your air-line, be sure to include one in your order (see "Other Products" Catalog pg. 15 for description) as oil is essential in the operation of an air motor.

Air-Driven Mica-Miller:	For Use with H.S.S. Saws		For Use with Tungsten-Carbide Saws	
	RPM	Catalog Number	RPM	Catalog Number
With "Small" Head, 5/16" arbor	2,500	M-MU201	*** See Note	*** See Note
With "Standard" Head, 5/16" or 7mm. arbor	2,000	M-MU202 or (7M)	6,000	M-MU202C or (7M)
With "Heavy-Duty" Head, 3/8" arbor	1,350	M-MU203	5,350	M-MU203C
	Net Weight: 3-1/2 lbs. Shipping Weight: 6 lbs.		Net Weight: 3-1/2 lbs. Shipping Weight: 6 lbs.	

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Not recommended for use with small head at this speed.

Extra Interchangeable Heads:	Catalog Number
Small, 5/16" arbor	M-MU01
Standard, 5/16" arbor	M-MU02
Standard, 7mm. arbor	M-MU027M
Heavy-Duty, 3/8" arbor	M-MU03
Air Hose, 10 ft. long; complete with quick connector	AIRH10
Automatic Air Filter-Lubricator	FILL01
Steel Carrying Case, No. 1; for Air-Driven Mica-Miller	CASE101

### H.S.S. and Tungsten-Carbide Saws & V-Cutters

The table at right lists at least 2 diameters of saws and cutters for each of the three interchangeable Mica-Miller heads.

**H.S.S. Saws ("U" slot)** are stocked in the following thicknesses (thousandths of an inch): **15, 18, 20, 23, 25, 26, 28, 30, 32, 35, 38, 40, 43, 45, 50, 53, 55, 58, 60, 63, and 65**, and can be supplied in other thicknesses at a slight additional charge. (Standard metric thicknesses available.)

**Tungsten-Carbide Saws ("U" slot)** are available from **.010" to .065"** thickness.

**H.S.S. V-cutters ("V" slots)** are all **.045"** thick and are stocked with **40°, 50°, and 60°**, angles between cutting edges.

**Tungsten-Carbide V-Cutters ("V" slots)** are available from **.030" to .065"** thickness and are available with **40°, 50°, and 60°**, angles between cutting edges.

40°, cutters are generally used for thin mica, 50° for medium mica, and 60° for thick mica.

Type	O.D.	Hole	Catalog Number	
			H.S.S.	Carbide
For "Small" Head	Saws	23/32" 5/16"	HSMS14__	*** See Above
	Cutters	23/32" 5/16"	HSMSV15__	*** See Above
	Saws	3/4" 5/16"	HSMS65__	*** See Above
	Cutters	3/4" 5/16"	HSMSV65__	*** See Above
For "Standard" Head	Saws	7/8" 5/16"	HSMS75__	TUNS75__
	Cutters	7/8" 5/16"	HSMSV75__	TUNSV75__
	Saws	1" 5/16"	HSMS85__	TUNS85__
	Cutters	1" 5/16"	HSMSV85__	TUNSV85__
	Saws	25 mm 7 mm	HSMM25__	
	Cutters	25 mm 7 mm	HSMMV25__	
For "Heavy-Duty" Head	Saws	1-1/8" 3/8"	HSMS96__	TUNS96__
	Cutters	1-1/8" 3/8"	HSMSV96__	TUNSV96__
	Saws	1-1/4" 3/8"	HSMS106__	TUNS106__
	Cutters	1-1/4" 3/8"	HSMSV106__	TUNSV106__



### Steel Carrying Cases

Heavy gauge steel carrying cases to protect your Model K, Air-Driven or Flex-Drive Mica-Miller, extra heads, saws and cutters, accessories, etc., are available.

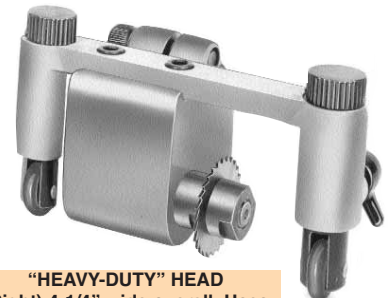
### Three Interchangeable Heads

For all Air & Electric Mica-Millers

**"SMALL" HEAD**  
(Below) Only 1-7/8" wide (less Slot-Guide). Uses 23/32" or 3/4" diameter x 5/16" hole Saws or "V" cutters.



**"STANDARD" HEAD**  
(Left) 2-1/4" wide (less Slot-Guide). Available for use with 7/8" or 1" diameter x 5/16" hole, or 25 mm. diameter x 7 mm. hole Saws or "V" cutters.



**"HEAVY-DUTY" HEAD**  
(Right) 4-1/4" wide overall. Uses 1-1/8" or 1-1/4" diameter x 3/8" hole Saws or "V" cutters.



**MARTINDALE** • 1375 Hird Ave • Cleveland, OH 44107  
 Phone (216) 521-8567 • Fax Local 521-9476 / USA & Canada (800) 344-9191  
 E-Mail: sales@martindaleco.com  
 Web Site: www.martindaleco.com