

# MARTINDALE

- **Rotary Burs**

**High Speed Steel & Carbide**

- **Rotary Finning Burs**

**High Speed Steel**



**MARTINDALE** • PO Box 430 • Cleveland, OH 44107  
Phone (216) 521-8567 • Fax Local 521-9476 / USA & Canada (800) 344-9191  
E-Mail: [sales@martindaleco.com](mailto:sales@martindaleco.com)  
Web Site: [www.martindaleco.com](http://www.martindaleco.com)



## Over 95 Years of Service.

Martindale Electric Co. started in the electric motor maintenance tool manufacturing business in 1913. From the start, we put emphasis on quality materials and workmanship — and on dedicated customer service.

Martindale specializes in the manufacture of equipment and supplies for the electric motor repairman. The products on the following pages are the result of continuous testing and research in an effort to help the motor maintenance industry minimize the costs of maintaining electric motors and generators.

The following pages are devoted to our complete line of Rotary Burs, High Speed Steel and Carbide Burs.

The Carbide Burs are by far the most popular for stators and armatures. The High Speed Steel (at a lower cost) are also used for this application and used extensively in the casting industry.



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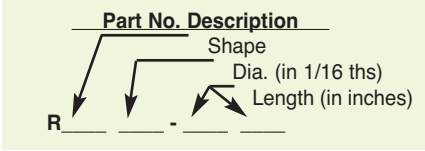
# Carbide Rotary Burs

— FOR SLOT CLEANING —

Proven to be one of the handiest tools for getting at those hard-to-reach spots in armature and stator slots. These special extra long and extremely hard tungsten carbide cutting tools cut right through and remove flash welds and other hard obstructions easily. These tungsten carbide burs perform best at higher speeds in the 18,000 to 25,000 r.p.m. range, such as provided by the grinders shown on page 9.

The 4" or 6" Length x 1/4" diameter Solid Carbide Burs are generally recommended for slot cleaning. Occasionally situations arise where a longer length bur or a slightly larger diameter are required. In these situations we do offer carbide burs brazed onto longer steel shanks, as listed below, with either 1/4" or 3/8" diameter heads.

**Solid Carbide Burs ground from solid carbide rod. Available with 1/4" diam. heads x 4" or 6" length, with 1/4" diam shanks:**



Part No.	Description	Catalog Number
RB4-04	Shape - Dia. - Length	CABURB404
RB4-06	Shape - Dia. - Length	CABURB406
RC4-04	Shape - Dia. - Length	CABURC404
RC4-06	Shape - Dia. - Length	CABURC406
RD4-04	Shape - Dia. - Length	CABURD404
RD4-06	Shape - Dia. - Length	CABURD406
RH4-04	Shape - Dia. - Length	CABURH404
RH4-06	Shape - Dia. - Length	CABURH406
RJ4-04	Shape - Dia. - Length	CABURJ404
RJ4-06	Shape - Dia. - Length	CABURJ406

**Solid Carbide Bur Heads, brazed to steel shanks. Available with 1/4" or 3/8" diam. heads, in various overall lengths, and 1/4" diam. shanks:**

Part No.	Catalog Number	Part No.	Catalog Number	Part No.	Catalog Number	Part No.	Catalog Number	Part No.	Catalog Number
RB4-06S	CABURB406S	RC4-06S	CABURC406S	RD4-06S	CABURD406S	RH4-06S	CABURH406S	RJ4-06S	CABURJ406S
RB4-08	CABURB408	RC4-08	CABURC408	RD4-08	CABURD408	RH4-08	CABURH408	RJ4-08	CABURJ408
RB4-09	CABURB409	RC4-10	CABURC410	RD4-10	CABURD410	RH4-10	CABURH410	RJ4-10	CABURJ410
RB4-10	CABURB410	RC4-12	CABURC412	RD4-12	CABURD412	RH4-12	CABURH412	RJ4-12	CABURJ412
RB4-12	CABURB412	RC4-15	CABURC415	RD4-15	CABURD415	RH4-15	CABURH415	RJ4-15	CABURJ415
RB4-15	CABURB415	RC4-18	CABURC418	RD6-04	CABURD604	RH4-18	CABURH418	RJ4-18	CABURJ418
RB4-18	CABURB418	RC6-04	CABURC604	RD6-06	CABURD606	RH6-04	CABURH604	RJ6-04	CABURJ604
RB6-04	CABURB604	RC6-06	CABURC606	RD6-08	CABURD608	RH6-06	CABURH606	RJ6-06	CABURJ606
RB6-06	CABURB606	RC6-08	CABURC608	RD6-10	CABURD610	RH6-08	CABURH608	RJ6-08	CABURJ608
RB6-08	CABURB608	RC6-10	CABURC610	RD6-12	CABURD612	RH6-10	CABURH610	RJ6-10	CABURJ610
RB6-10	CABURB610	RC6-12	CABURC612			RH6-12	CABURH612	RJ6-12	CABURJ612
RB6-12	CABURB612								



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04/05

**If the size you need isn't listed, please ask for a quotation. Also see page 7 for longer High Speed Steel burs.**

# Martindale CARBIDE Rotary Burs

For the toughest metal-cutting jobs, for cutting abrasive materials and metals too hard or tough for high-speed steel tools, Martindale Carbide Rotary Burs are the answer.

Each tool is ground from solid tungsten-carbide by precision automatic machinery assuring exact contours and dimensions as well as

perfect concentricity.

**Specials:** The tool shapes and sizes listed below are considered stock tools, as they are the ones most commonly used. For particular operations, however, other shapes, or other sizes in the shapes listed, can easily be furnished upon receipt of your specifications.

**Teeth:** Standard cut tools have the following

numbers of teeth per inch of circumference (more or fewer teeth can be furnished if desired):

Diam.	Teeth per in.	Diam.	Teeth per in.
1/8"	31	1/2"	16
1/4"	25	5/8"	16
3/8"	20	3/4"	13

(See next page for recommended speeds and information on regrinding.)

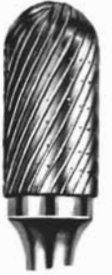


### CYLINDER

No End Cut  
Cutting Surface

Tool No.	Diam.	Length	Catalog Number
RA2	1/8"	5/8"	CABURA2
RA4	1/4"	5/8"	CABURA4
RA6	3/8"	3/4"	CABURA6
RA8	1/2"	1"	CABURA8
RA10	5/8"	1"	CABURA10
RA12	3/4"	1"	CABURA12

(with end-cut — add 10%)



### CYLINDER

Radius End  
Cutting Surface

Tool No.	Diam.	Length	Catalog Number
RB2	1/8"	1/2"	CABURB2
RB4	1/4"	5/8"	CABURB4
RB6	3/8"	3/4"	CABURB6
RB8	1/2"	1"	CABURB8
RB10	5/8"	1"	CABURB10
RB12	3/4"	1"	CABURB12



### TREE

Radius End  
Cutting Surface

Tool No.	Diam.	Length	Catalog Number
RC4	1/4"	5/8"	CABURC4
RC6	3/8"	3/4"	CABURC6
RC8	1/2"	1"	CABURC8
RC10	5/8"	1"	CABURC10
RC12	3/4"	1"	CABURC12



### TREE

Pointed End  
Cutting Surface

Tool No.	Diam.	Length	Catalog Number
RD4	1/4"	5/8"	CABURD4
RD6	3/8"	3/4"	CABURD6
RD8	1/2"	3/4"	CABURD8
RD10	5/8"	1"	CABURD10
RD12	3/4"	1"	CABURD12



### BALL

Cutting Surface

Tool No.	Diam.	Length	Catalog Number
RH2	1/8"	3/32"	CABURH2
RH4	1/4"	7/32"	CABURH4
RH6	3/8"	5/16"	CABURH6
RH8	1/2"	7/16"	CABURH8
RH10	5/8"	9/16"	CABURH10
RH12	3/4"	11/16"	CABURH12

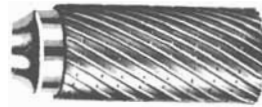


### OVAL

Cutting Surface

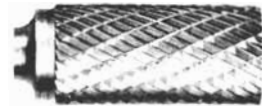
Tool No.	Diam.	Length	Catalog Number
RJ4	1/4"	3/8"	CABURJ4
RJ6	3/8"	5/8"	CABURJ6
RJ8	1/2"	7/8"	CABURJ8
RJ10	5/8"	1"	CABURJ10
RJ12	3/4"	1"	CABURJ12

### CUTS AVAILABLE:

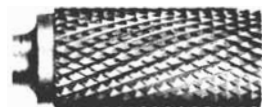


\*STANDARD CUT (List Price)

\*Furnished unless otherwise specified.



DOUBLE CUT (List Price)



DIAMOND CUT (List + 20%)



FAST MILL CUT (List + 20%)

### SHANKS:

1/4" diam x 1-1/4" or more long, to give maximum of 2-1/4" overall length.



### INVERTED CONE

Cutting Surface

Tool No.	Diam.	Length	Catalog Number
RT4	1/4"	5/16"	CABURT4
RT8	1/2"	1/2"	CABURT8
RT12	3/4"	5/8"	CABURT12

(with end-cut — add 10%)



### CONE

Cutting Surface

Tool No.	Diam.	Length	Incl. Angle	Catalog Number
RF4	1/4"	1"	10°	CABURF4
RF6	3/8"	5/8"	28°	CABURF6
RF8	1/2"	7/8"	28°	CABURF8
RF10	5/8"	1"	31°	CABURF10



### CONE

14° Included Angle  
Cutting Surface

Tool No.	Diam.	Length	Incl. Angle	Catalog Number
RL4	1/4"	5/8"	14°	CABURL4
RL5	5/16"	7/8"	14°	CABURL5
RL6	3/8"	1-1/16"	14°	CABURL6
RL8	1/2"	1-1/8"	14°	CABURL8
RL10	5/8"	1-5/16"	14°	CABURL10
RL12	3/4"	1-1/2"	14°	CABURL12



### CONE

60° and 90°  
Cutting Surface

Tool No.	Diam.	Length	Incl. Angle	Catalog Number
RS6	3/8"	5/16"	60°	CABURS6
RS8	1/2"	7/16"	60°	CABURS8
RS10	5/8"	9/16"	60°	CABURS10
RS12	3/4"	11/16"	60°	CABURS12
RG6	3/8"	3/16"	90°	CABURG6
RG8	1/2"	1/4"	90°	CABURG8
RG10	5/8"	5/16"	90°	CABURG10
RG12	3/4"	3/8"	90°	CABURG12



### FLAME

Cutting Surface

Tool No.	Diam.	Length	Catalog Number
RV5	5/16"	3/4"	CABURV5
RV8	1/2"	1-1/4"	CABURV8
RV10	5/8"	1-7/16"	CABURV10
RV12	3/4"	1-5/8"	CABURV12

# Martindale CARBIDE Rotary Burs (Cont'd.)

## SMALL DIAMETER CARBIDE ROTARY BURS

**Solid Carbide**  
3/32" Diam. Shank  
1-1/4" Overall Length



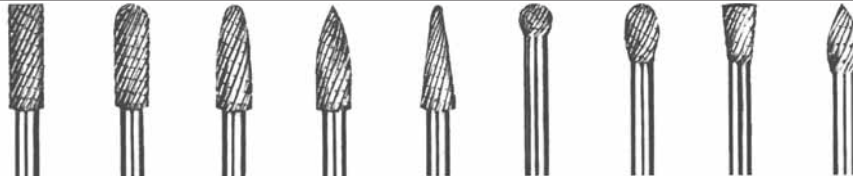
Tool No.	XA-3/32	XB-3/32	XC-3/32	XD-3/32	XF-3/32	XH-3/32	XJ-3/32	XT-3/32
Diam. Cut	3/32"	3/32"	3/32"	3/32"	3/32"	3/32"	3/32"	3/32"
Length Cut	3/8"	3/8"	1/4"	1/4"	1/4"	3/32"	1/8"	1/8"
Catalog Number	CABUXA332	CABUXB332	CABUXC332	CABUXD332	CABUXF332	CABUXH332	CABUXJ332	CABUXT332

**Solid Carbide**  
1/8" Diam. Shank  
1-1/2" Overall Length



Tool No.	XA-1/8S	XA-1/8	XB-1/8S	XB-1/8	XC-1/8	XD-1/8	XF-1/8	XH-1/8S	XH-1/8	XJ-1/8	XT-1/8	XV-1/8	XS-1/8	XG-1/8
Diam. Cut	3/32"	1/8"	3/32"	1/8"	1/8"	1/8"	1/8"	3/32"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"
Length Cut	7/16"	9/16"	7/16"	9/16"	1/2"	1/2"	1/2"	3/32"	1/8"	7/32"	3/16"	1/4"	60°	90°
Catalog Number	CABUXA18S	CABUXA18	CABUXB18S	CABUXB18	CABUXC18	CABUXD18	CABUXF18	CABUXH18S	CABUXH18	CABUXJ18	CABUXT18	CABUXV18	CABUXS18	CABUXG18

**Solid Carbide**  
1/8" Diam. Shank  
1-1/2" Overall Length



Tool No.	LA-3	LB-3	LC-3	LD-3	LF-3	LH-3	LJ-3	LT-3	LV-3
Diam. Cut	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"
Length Cut	1/2"	1/2"	1/2"	1/2"	1/2"	5/32"	9/32"	1/4"	3/8"
Catalog Number	CABULA3	CABULB3	CABULC3	CABULD3	CABULF3	CABULH3	CABULJ3	CABULT3	CABULV3

**Carbide Bur Sets**

See Page 7 — for special prices on 8 different sets with 6 various Carbide Burs per set.

**Solid Carbide Head Steel Shank**  
1/8" Diam. Shank  
1-1/4" Shank Length



Tool No.	KA-4	KB-4	KC-4	KD-4	KF-4	KH-4	KJ-4	KT-4
Diam. Cut	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Length Cut	1/2"	1/2"	1/2"	1/2"	1/2"	7/32"	3/8"	1/4"
Catalog Number	CABUKA4	CABUKB4	CABUKC4	CABUKD4	CABUKF4	CABUKH4	CABUKJ4	CABUKT4

**Solid Carbide**  
3/16" Diam. Shank  
2" Overall Length



Tool No.	XA-3/16	XB-3/16	XC-3/16	XD-3/16	XF-3/16	XH-3/16	XJ-3/16	XT-3/16	XS-3/16	XG-3/16
Diam. Cut	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"
Length Cut	1/2"	1/2"	1/2"	1/2"	7/16"	5/32"	9/32"	1/4"	60°	90°
Catalog Number	CABUXA316	CABUXB316	CABUXC316	CABUXD316	CABUXF316	CABUXH316	CABUXJ316	CABUXT316	CABUXS316	CABUXG316

**Solid Carbide Head**  
1/4" Diam. Shank  
2" Overall Length



Tool No.	RA-4	RB-4	RC-4	RD-4	RF-4	RH-4	RJ-4	RT-4
Diam. Cut	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Length Cut	5/8"	5/8"	5/8"	5/8"	1"	7/32"	3/8"	5/16"
Catalog Number	CABURA4	CABURB4	CABURC4	CABURD4	CABURF4	CABURH4	CABURJ4	CABURT4

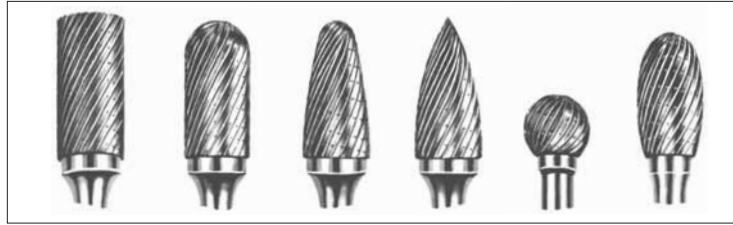
**Regrinding:** Martindale Carbide Rotary Burs can be reground many times with only a very small alteration in the size of the tool and with no reduction of new tool cutting ability. Cost is approximately 25% of a new tool cost.  
\* If tools need reconditioning work, other than ordinary regrinding (chipped teeth, damaged shanks, etc.), price will be double that of regrinding.

**Recommended Speeds for Carbide Burs:**

Diam.	R.P.M.	Diam.	R.P.M.
1/8"	45,000	5/8"	18,000
1/4"	30,000	3/4"	16,000
3/8"	24,000	7/8"	14,500
1/2"	20,000	1"	13,000

(Diameter means largest cutting surface diameter).  
(These speeds may be varied up to 50% on some jobs with very good results as to stock removal and finish obtained.)

# Carbide Bur Sets



Carbide Bur Sets in the above 6 shapes are available in 8 different sizes as indicated below and as detailed on pages 5 and 6.

Sets	Bur Diameter	Shank Diameter	Burs Included In Set	Catalog Number
X-3/32	3/32"	3/32"	XA-3/32, XB-3/32, XC-3/32, XD-3/32, XH-3/32, XJ-3/32	.CABUX332
X-1/8	1/8"	1/8"	XA-1/8, XB-1/8, XC-1/8, XD-1/8, XH-1/8, XJ-1/8	.CABUX18
X-3/16	3/16"	3/16"	XA-3/16, XB-3/16, XC-3/16, XD-3/16, XH-3/16, XJ-3/16	.CABUX316
R-4	1/4"	1/4"	RA-4, RB-4, RC-4, RD-4, RH-4, RJ-4	.CABUR4
R-3/8	3/8"	1/4"	RA6, RB6, RC6, RD6, RH6, RJ6	.CABUR38
R-1/2	1/2"	1/4"	RA8, RB8, RC8, RD8, RH8, RJ8	.CABUR12
L3	3/16"	1/8"	LA-3, LB-3, LC-3, LD-3, LH-3, LJ-3	.CABUL3
K4	1/4"	1/8"	KA-4, KB-4, KC-4, KD-4, KH-4, KJ-4	.CABUK4

# High Speed Steel Rotary Finning Burs

(Actual Size)  
(All with 1/4" Shank)

These slender tough high-speed burs are excellent for cleaning stator and armature slots of electric motors and generators. They are also used in Aluminum Foundries to remove flashing and sand debris from narrow channels, deep and / or confined spots.



Catalog Number



No. 6349 is available in three lengths, all with 1/4" diameter x 2-1/2" long cutting surface.

Length	Catalog Number	
	Straight Cut	Left-Hand Spiral
6" Overall	<a href="#">HSBM634906S</a>	<a href="#">HSBM634906LHS</a>
8" Overall	<a href="#">HSBM634908S</a>	<a href="#">HSBM634908LHS</a>
10" Overall	<a href="#">HSBM634910S</a>	<a href="#">HSBM634910LHS</a>



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 E-Mail: [sales@martindaleco.com](mailto:sales@martindaleco.com)  
 Web Site: [www.martindaleco.com](http://www.martindaleco.com)

# High-Speed Steel Rotary Burs — GROUND FROM SOLID

Designed for use at moderate speeds (such as is available from Flexible Shaft Machines as shown on our web site, these Rotary Burs are ground from High-Speed Steel blanks after hardening.

Grinding is done by precision automatic machinery assuring exact contours and dimensions as well as perfect concentricity.

### CYLINDER

No End Cut

Cutting

Tool No.	Diam.	Length	Catalog Number
GA2	1/8"	1/2"	HSBGA2
GA3	3/16"	1/2"	HSBGA3
GA4	1/4"	1"	HSBGA4
GA5	5/16"	1"	HSBGA5
GA6	3/8"	1"	HSBGA6
GA6L	3/8"	1-1/2"	HSBGA6L
GA7	7/16"	1"	HSBGA7
GA8	1/2"	1"	HSBGA8
GA10	5/8"	1"	HSBGA10
GA12	3/4"	3/4"	HSBGA12
GA12L	3/4"	1"	HSBGA12L
GA16	1"	1"	HSBGA16

(with end-cut — available at additional cost)

### CYLINDER

Radius End

Cutting

Tool No.	Diam.	Length	Catalog Number
GB2	1/8"	1/2"	HSBGB2
GB3	3/16"	1/2"	HSBGB3
GB4	1/4"	1"	HSBGB4
GB5	5/16"	1"	HSBGB5
GB6	3/8"	1"	HSBGB6
GB6L	3/8"	1-1/2"	HSBGB6L
GB7	7/16"	1"	HSBGB7
GB8	1/2"	1"	HSBGB8
GB10	5/8"	1"	HSBGB10
GB12	3/4"	1-1/4"	HSBGB12

### TREE

Radius End

Cutting

Tool No.	Diam.	Length	Catalog Number
GC4	1/4"	3/4"	HSBGC4
GC6	3/8"	3/4"	HSBGC6
GC8	1/2"	1-1/8"	HSBGC8
GC10	5/8"	1-1/8"	HSBGC10
GC12	3/4"	1-1/4"	HSBGC12
GC18	1-1/8"	2"	HSBGC18

### TREE

Pointed End

Cutting

Tool No.	Diam.	Length	Catalog Number
GD4	1/4"	3/4"	HSBGD4
GD6	3/8"	3/4"	HSBGD6
GD8	1/2"	3/4"	HSBGD8
GD8L	1/2"	1-1/8"	HSBGD8L
GD10	5/8"	1"	HSBGD10
GD18	1-1/8"	2"	HSBGD18

### CUTS AVAILABLE:

\*STANDARD CUT (List Price)

\*Furnished unless otherwise specified.

DOUBLE CUT (List Price)

FINE CUT & COARSE CUT (available at additional cost)

### SHANKS:

1/4" diam x 1-1/4" or more long, to give maximum of 2-1/4" overall length.

### SPECIALS:

Submit specifications for any special Rotary Bur desired. Quotation of price and delivery will be made promptly.

### CONE

Cutting

Surface

Tool No.	Diam.	Length	Incl. Angle	Catalog Number
GF4	1/4"	1/2"	22°	HSBGF4
GF4L	1/4"	1"	10°	HSBGF4L
GF5	5/16"	3/4"	14°	HSBGF5
GF6	3/8"	1"	14°	HSBGF6
GF8	1/2"	1"	28°	HSBGF8
GF10	5/8"	1"	31°	HSBGF10
GF12	3/4"	1"	34°	HSBGF12

### BALL

Cutting

Surface

Tool No.	Diam.	Length	Catalog Number
GH2	1/8"	1/8"	HSBGH2
GH3	3/16"	3/16"	HSBGH3
GH4	1/4"	1/4"	HSBGH4
GH5	5/16"	5/16"	HSBGH5
GH6	3/8"	3/8"	HSBGH6
GH7	7/16"	7/16"	HSBGH7
GH8	1/2"	1/2"	HSBGH8
GH10	5/8"	5/8"	HSBGH10
GH12	3/4"	3/4"	HSBGH12
GH16	1"	1"	HSBGH16

### OVAL

Cutting

Surface

Tool No.	Diam.	Length	Catalog Number
GJ3	3/16"	5/16"	HSBGJ3
GJ4	1/4"	1/2"	HSBGJ4
GJ5	5/16"	1/2"	HSBGJ5
GJ6	3/8"	5/8"	HSBGJ6
GJ8	1/2"	7/8"	HSBGJ8
GJ10	5/8"	1"	HSBGJ10
GJ12	3/4"	1"	HSBGJ12
GJ16	1"	1-3/8"	HSBGJ16

### CONE

60° and 90°

Cutting

Surface

Tool No.	Diam.	Length	Incl. Angle	Catalog Number
GS4	1/4"	3/16"	60°	HSBGS4
GS6	3/8"	1/4"	60°	HSBGS6
GS8	1/2"	7/16"	60°	HSBGS8
GS10	5/8"	1/2"	60°	HSBGS10
GS12	3/4"	5/8"	60°	HSBGS12
GS14	7/8"	3/4"	60°	HSBGS14
GS16	1"	3/4"	60°	HSBGS16
GG4	1/4"	1/8"	90°	HSBGG4
GG6	3/8"	3/16"	90°	HSBGG6
GG8	1/2"	1/4"	90°	HSBGG8
GG10	5/8"	5/16"	90°	HSBGG10
GG12	3/4"	3/8"	90°	HSBGG12
GG14	7/8"	7/16"	90°	HSBGG14
GG16	1"	1/2"	90°	HSBGG16

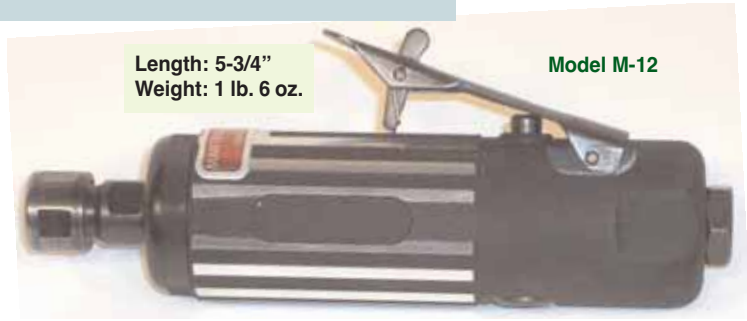
## Martindale Production Air Grinder

Model M-12 air grinder is designed for hard usage such as encountered in foundries, etc. It will stand up to steady production work with rotary burs and with mounted grinding wheels or points up to 1-1/2" diameter. Turns 18,000 r.p.m., 1/2 h.p. at 90 PSI air pressure. Uses approximately 18-22 CFM.

This hand-held air grinder has a built-in speed regulator, specially designed nose piece for firm easy grip, 1/4" female N.P.T.F. air inlet, 1/4" collet, and the necessary wrenches as standard equipment.

Air exhaust is at the front of the grinder around the spindle, where it effectively blows grinding dusts away from the work and operator.

OPTIONAL EQUIPMENT: 1/8" reducer can be substituted for 1/4" collet at no extra charge.



Length: 5-3/4"  
Weight: 1 lb. 6 oz.

Model M-12

Catalog Number  
Model M-12 Air Grinder, complete with 1/4" collet and wrenches . . . . .AGRD1814  
1/8" Reducer (Optional Equipment) . . . . .AGRDC18  
Automatic Air Filter-Lubricator (See Description Below) . . . . .FILL01

## No. 38-A Carbide Rotary Bur Kit

The No. 38-A Kit includes a high-speed precision manufactured air grinder with 1/4" collet. This grinder is similar to the one above except it's operating speed is 21,000 r.p.m. to accommodate the 5 solid carbide 1/4" diameter rotary burs included with the kit.

Burs included are RB4, RC4, RD4, RH4, and RJ4; all are 1/4" diameter cutting surface and shank, of five different shapes. All are "double-cut" making them suitable for use on either extremely hard or relatively soft materials. Burs can be re-ordered by number and are listed on page 6.

The high quality grinder is manufactured for Martindale and is a compact 5-3/4" long; lightweight 1 lb., 6 oz.; and high speed 21,000 r.p.m. Recommended air pressure is 70-90 PSI, air inlet is 1/4" female N.P.T.F.



Catalog Number

Carbide Rotary Bur Kit No. 38-A, Complete in storage box . . . . .CABU38A  
Automatic Air Filter-Lubricator (See Description Below) . . . . .FILL01  
Net Weight 2 lbs. 6 ozs., Shipping Weight 4 lbs.

## Automatic Air Filter-Lubricator

Highly recommended for use with any air powered tools. This Fog Type Filter-Lubricator is designed to remove dirt, pipe scale, and most liquid aerosols which cause wear and premature failure. It also will deliver the right amount of lubrication to extend the service life of your air tools.

Consists of 2 die cast bowls with transparent nylon sight gauges, a 40 micron filter element, and a connecting nipple.



Catalog Number

Automatic Air Filter-Lubricator . . . . .FILL01  
Air Hose, 10 ft. long; complete with quick connector . . . . .AIRH10

Model 10  
22,000 r.p.m.  
1/10 h.p.  
115 V. A.C.-D.C.



Dimensions:  
9-3/4" long x 2-3/4" diam.

## Martindale Hand Grinder

— built by DUMORE —

Model 10 is ideal for full-shift duty in the tool room or in production bench grinding, de-burring, etc. It is forced-air cooled, and two precision bearings in steel seats assure positive rigidity. Model 10 uses high-speed steel or carbide burs up to 3/8" diam., or mounted wheels up to 1" diam. Has 1/4" collet and 1/8" reducing sleeve.

Model 10 is U/L approved and sold with our guarantee of satisfaction.

Model 10 Grinder with 1/4" collet and 1/8" reducing sleeve . . . . .DUMG10  
Net Weight 3-1/2 lbs., Shipping Weight 5 lbs.



**MARTINDALE** • PO Box 430 • 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