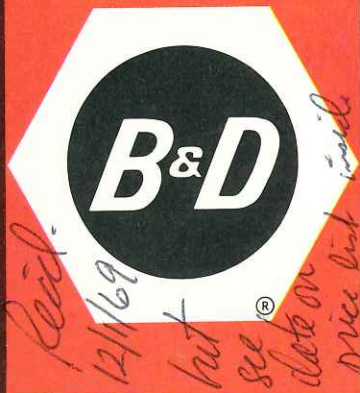


CATALOG 2 (F)

# ***Black & Decker***<sup>®</sup> AUTOMOTIVE **Air & Electric** POWER TOOLS

Impact Wrenches • Power Chisels • Drills • Finishing Sanders  
Disc Sanders • Polishers • Engine Reconditioning Equipment  
Vacuum Cleaners • Bench Grinders • Tire Studding Equipment



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**NO-TIME LIMIT  
QUALITY  
GUARANTEE**



***Black & Decker***<sup>®</sup>

Guarantees all products against defects caused by faulty materials or workmanship regardless of when defect occurs or becomes apparent.

*Backed by the Industry's Largest Service Network (see back cover)*

Every Black & Decker product has been carefully inspected before shipment, and we guarantee to correct any defect caused by faulty material or workmanship. Our obligation assumed under this guarantee is limited to the replacing of any part or parts which prove to our satisfaction, upon examination, to have been defective, and which have not been misused or carelessly handled. The complete unit must be returned to one of our Factory Service Branches, Authorized Service Stations, or to our Factory, transportation charges prepaid. We reserve the right to decline responsibility where repairs or replacements have been made or attempted by others. No other guarantee, written or verbal, on our products is authorized by us.



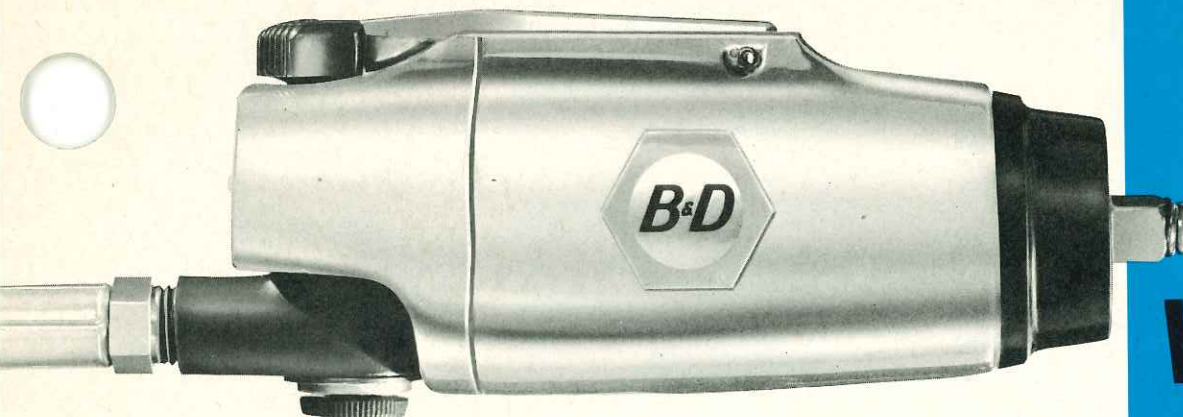
***Black & Decker***<sup>®</sup>

is an active member of

- AUTOMOTIVE SERVICE INDUSTRIES ASSOCIATION
- MOTOR EQUIPMENT MANUFACTURERS ASSOCIATION
- EQUIPMENT AND TOOL INSTITUTE



# Black & Decker IMPACT WRENCHES



## #778 3/8" Air Wrench

3/8" Square Drive. For really fast work on any bolts up to 3/8", try this "Fist Full of Power." Designed for maximum maneuverability in the tightest places. Throttle, air regulator, forward-reverse shift all operative with one hand at arm's reach. Hose connection swivels more than 180 degrees. Attach right angle head in any position. Use this wrench to speed up work on spark plugs, transmission, generator, fuel pump, radiator, manifold, power steering, changing oil filter, servicing accessories.



**FREE**... carrying case made of strong polypropylene with safety-snap latch holds wrench, accessories, oil.

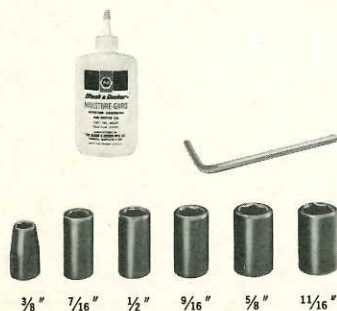
### SPECIFICATIONS

|                                | # 778             |
|--------------------------------|-------------------|
| Shank size                     | 3/8" square drive |
| Bolt capacity                  | 3/8"              |
| Hose connection                | 1/4" FPT          |
| Recommended minimum hose size  | 1/4"              |
| Recommended operating pressure | 90 PSI            |
| Length less shank              | 5 1/2"            |
| Net weight                     | 2 1/2 lb.         |



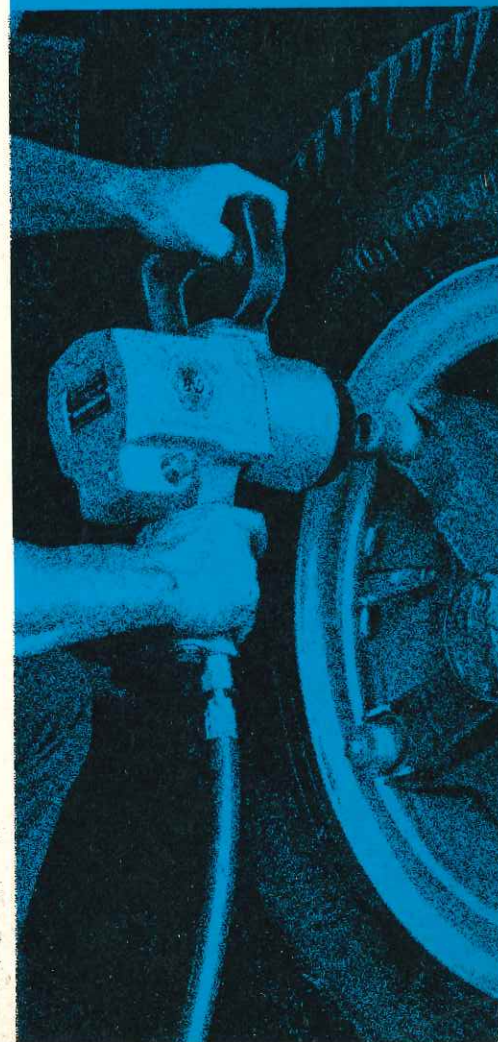
## #778-K Air Wrench Kit

Includes #778 wrench in strong case with #65515 right angle attachment; six hex sockets—3/8", 7/16", 1/2", 9/16", 5/8", 1 1/16"; and 4 oz. bottle Moisture Gard Oil.



**#65515 Right Angle Attachment**—also available as a separate accessory.

**FREE**... carrying case made of strong polypropylene with safety-snap latch holds wrench, accessories, oil.





**#50956 Leather Boot**  
Protects your wrench from getting scratched or marred or coated with dirt and grime. Fits models 766, 766-1 and 768.



**#766K Air Wrench Kit**  
Includes #766 wrench in a steel case with six hex sockets — 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" — and 4 oz. bottle Moisture Gard Oil.

**#766 1/2" Air Wrench**

1/2" square drive. Quiet, brute power makes this wrench a real favorite with automotive mechanics and service station operators. Plenty of power for every passenger car application including spring work. All ball bearing construction assures long life even with heavy-duty use. Built-in oiler and air regulator.

**#768 5/8" Air Wrench**

5/8" square drive. Same features and construction as #766 wrench but with a larger shank with increased bolt capacity. Good wrench for tough applications like passenger car spring shackle work.



**#766-1 Air Wrench**

Has extended shank to hold flip socket for handling 90% of all passenger car wheel lug work. All other features same as #766.

| SPECIFICATIONS                 | #766              | #768              |
|--------------------------------|-------------------|-------------------|
| Shank size                     | 1/2" square drive | 5/8" square drive |
| Bolt capacity                  | 5/8"              | 3/4"              |
| Hose connection                | 1/4" FPT          | 1/4" FPT          |
| Recommended minimum hose size  | 5/16"             | 5/16"             |
| Recommended operating pressure | 90 PSI            | 90 PSI            |
| Length less shank              | 7"                | 7"                |
| Net weight                     | 6 5/8 lb.         | 6 5/8 lb.         |

**ACCESSORIES For 1/2" Square Drive Air and Electric Impact Wrenches**

**#50487 Right Angle Head.** Increase the versatility of your impact wrench with a right angle head attachment. Lets you get into work areas where your wrench can't reach. Fits any wrench with 1/2" square drive shank.

**#54545 Flip Socket.** This socket is a great time-saver for passenger car wheel lug work. It's actually two sockets in one: 3/4" on one end and 13/16" on the other, and will fit over 90% of the

popular wheel lugs. The Flip Socket can be used only on extended shank 1/2" square drive wrenches (B & D model #766-1).

**#45429 Jawed Chuck.** Increase the jobs your wrench can do with this 3-jawed Chuck. Accepts drill bits, wire brushes or any accessories with 1/8" to 1/2" diameter shanks. Fits any wrench with 1/2" square drive shanks.

**#33345 Screwdriver Bit Chuck.** Any wrench becomes

a powerful screwdriver with this handy Chuck. Takes 7/16" screwdriver bits, shanks and sockets. Fits any wrench with 1/2" square drive shanks.

**#52398 Detent Spring Ring for 1/2" Wrenches.** A new Spring Ring will hold sockets firmly on the wrench shank. Takes just a moment to replace. For B & D models #766, #766-1, #824 and #924.

**#60579 Leather Protector** for discontinued #783 series air wrenches.



#50487 Right Angle Head



#54545 Flip Socket



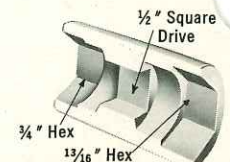
#45429 3-Jawed Chuck



#33345 Screwdriver Bit Chuck



#52398 Detent Spring Ring



## IMPACT WRENCHES



#824

#924



**#63278 Leather Boot**  
Protect your B & D Electric Wrench against accidental damage. This sturdy leather boot will shield it from scrapes and bumps on rough garage floors and in crowded tool cabinets. Fits #824 and #924.



**FREE . . .** rugged, luggage-style carrying case for your Black & Decker wrench with space for holding your sockets. Included with #824 and #924.

### #824 1/2" Elec. Wrench

1/2" Square Drive. When you need the economy and versatility of an electric wrench, this one is ideal for general purpose Automotive work. Exclusive Black & Decker automatic fingertip shift lets you change from forward to reverse in an instant. This wrench is small enough to reach into tight areas around the engine block and chassis, yet powerful enough to spin off wheel lugs. You get crisp, dependable power packed into a beautifully balanced 6 1/4 lb. tool only 8 3/4 inches long.

### #924 1/2" Elec. Wrench

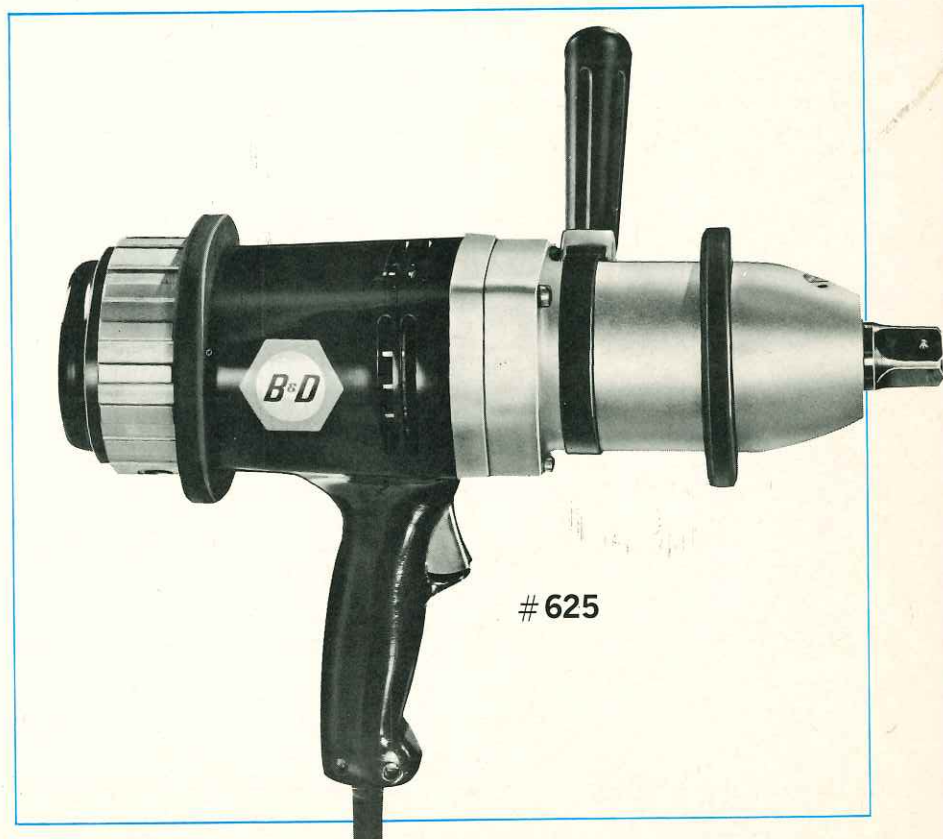
Ball and roller bearing construction throughout gives this wrench its higher performance rating and extra long life. Same compact features as model #824 including Black & Decker exclusive one-hand shift. No excessive bulk and weight as with most electric wrenches of comparable power.

### #625 3/4" Elec. Wrench

3/4" Square Drive. Here's the dependable power you need to handle maintenance and repair work on light and medium size trucks including wheel lugs. Ideal for fleet shops, especially those which care for large numbers of vehicles or where air lines may be limited. Motor protected against lead breakage caused by vibration. Ball and roller bearing construction. Equipped with movable side handle and rubber bumper rings.

#### SPECIFICATIONS

|                   | #824              | #924              | #625              |
|-------------------|-------------------|-------------------|-------------------|
| Shank size        | 1/2" square drive | 1/2" square drive | 3/4" square drive |
| Bearings          | Sleeve            | Ball & roller     | Ball & roller     |
| Bolt capacity     | 1/2"              | 1/2"              | 7/8"              |
| Amperage at 115V  | 4.7               | 4.7               | 6.5               |
| Length less shank | 8 3/4"            | 8 3/4"            | 13 5/8"           |
| Net weight        | 6 1/4 lb.         | 6 1/4 lb.         | 12 3/4 lb.        |



#625



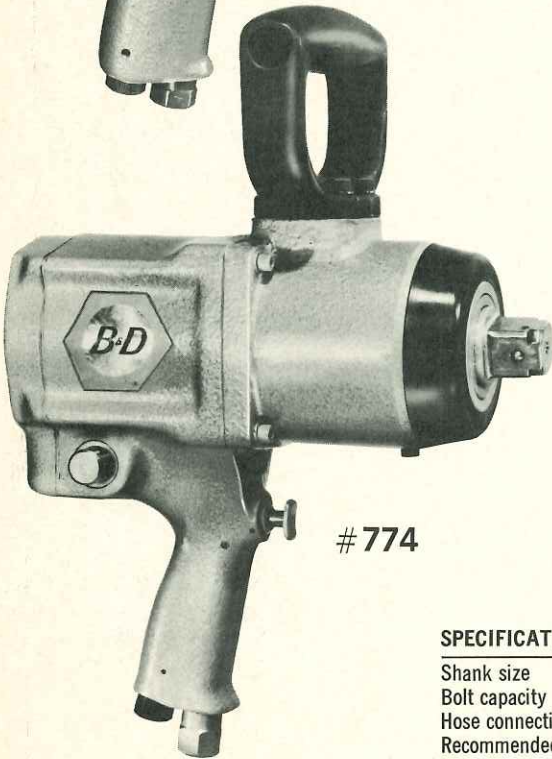
#773

## #773 3/4" Air Wrench

3/4" Square Drive. This wrench was designed to meet the heavy-duty demands of tough work in fleet shops. It's compact enough to fit in tight spots and light enough for convenient one-hand operation but packs a wallop that'll crack loose the most stubborn bolts in seconds. Built-in air regulator lets you use this wrench on smaller bolts, too. All ball bearing construction. Built-in oiler.



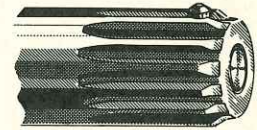
**#62859 Leather Boot**  
Keeps your wrench clean . . . protects it from accidental damage. Fits all #773 type wrenches.



#774

## #774 1" Air Wrench

1" Square Drive. Here's power enough to handle extra heavy repair work on trucks and trailers, buses, farm equipment, tractors and earth movers. Ideal tool for spring shackle work on large trucks such as concrete mixers, tank trucks and earth haulers. Delivers the power you need for frozen and rusted bolts on caterpillar tracks and bulldozer buckets. Spade handle for maximum control can be moved to three positions. Built-in oiler and air regulator. Shipped complete with 6 ft. hose whip.



**No. 4 Spline Drive Wrenches**  
#773X Standard shank—spline drive on Model 773.

#773-6X Extended shank—spline drive on Model 773.

**No. 5 Spline Drive Wrenches**  
#774X Standard shank—spline drive on Model 774.

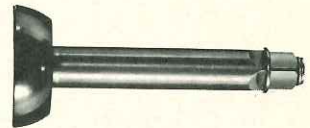
#774-6X Extended shank—spline drive on Model 774.

#775X Standard shank—spline drive on Model 775.

#775-6X Extended shank—spline drive on Model 775.

## #775 1" Air Wrench

1" Square Drive. End handle design with auxiliary spade handle gives you maximum control. Same basic construction as the #774 wrench giving you the same wide range of heavy-duty applications.



### Extended Shank Wrenches

With a 6" extended shank, your wrench is ideal for Budd Wheel work or for bolts that are recessed and out of reach of short spindle wrenches.

#773-6 . . . the #733 Air Wrench with a 6" extended shank.

#773-6X Extended shank—spline drive on Model 773.

#774-6 . . . the #774 Air Wrench with a 6" extended shank.

#774-6X Extended shank—spline drive on Model 774.

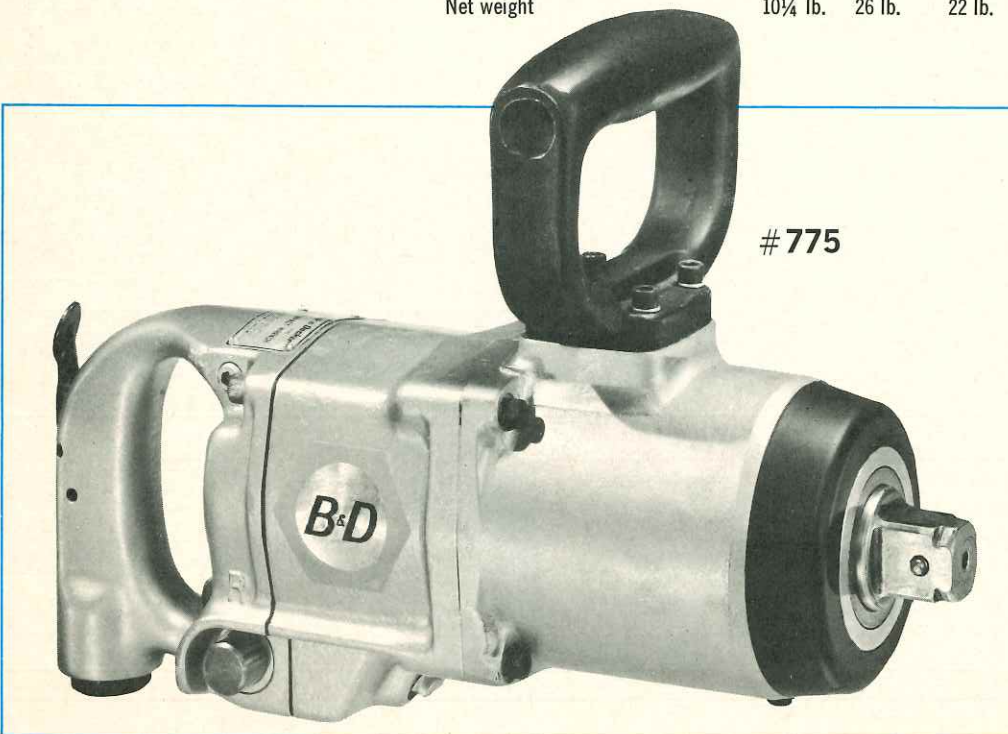
#775-6 . . . the #775 Air Wrench with a 6" extended shank.

#775-6X Extended shank—spline drive on Model 775.

### SPECIFICATIONS

|                                | #773       | #774     | #775     |
|--------------------------------|------------|----------|----------|
| Shank size                     | 3/4"       | 1"       | 1"       |
| Bolt capacity                  | 1"         | 1 1/4"   | 1 1/4"   |
| Hose connection                | 3/8" FPT   | 3/8" FPT | 3/8" FPT |
| Recommended minimum hose size  | 1/2"       | 1/2"     | 1/2"     |
| Recommended operating pressure | 90 PSI     | 90 PSI   | 90 PSI   |
| Length less shank              | 7 7/8"     | 9 5/8"   | 13 1/2"  |
| Net weight                     | 10 1/4 lb. | 26 lb.   | 22 lb.   |

#775

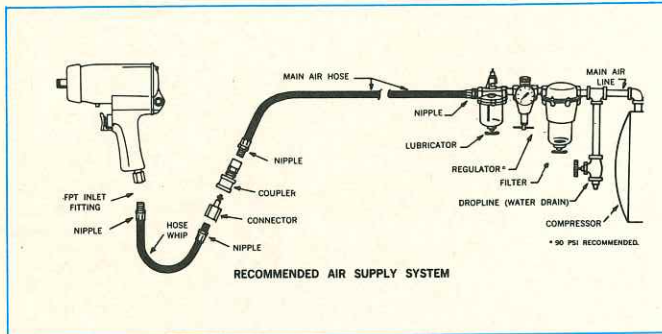


**PROTECT YOUR AIR TOOL INVESTMENT . . .**

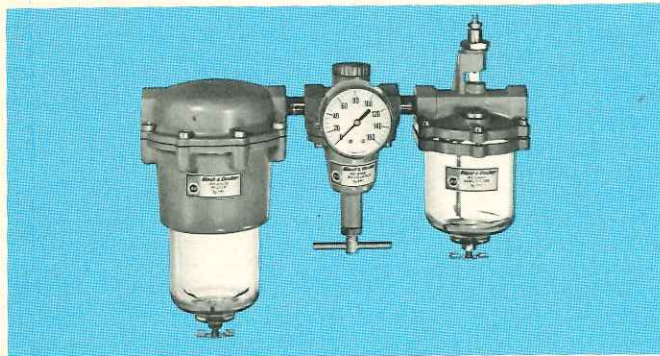
by using the proper air system accessories and lubricants. Black & Decker air tools are made to extremely close tolerances to give you top performance. Reasonable care and preventive maintenance will greatly prolong their service life. Rust, excessive wear, sludge build-up, and premature failure from excessive air pressure can be easily avoided through proper tool care as recommended below.

**RECOMMENDED AIR SUPPLY SYSTEM**

The air system is even more significant to an air tool than an electrical system is to an electric tool. No air tool will operate properly with a "poor" air supply. Shown below is a simple, dependable air system that will insure top tool performance.



**Filter, Lubricator, Regulator Systems**



A Filter, Lubricator and Regulator system is strongly recommended wherever air tools are operated. F-L-R system gives your tool proper lubrication, prevents the damage caused by "dirty" air and provides a control to prevent excessive air pressure. Easy to install anywhere in your air system.

**AIR FILTERS**

Filters remove moisture and particles of dirt from the air before it enters the tool, preventing most tool failures caused by rust and sludge build-up.

#61637 Air Filter with 3/8" female pipe thread, manual drain and connecting nipple.

#61638 Air Filter with 1/2" female pipe thread, manual drain and connecting nipple.

**AIR LUBRICATORS**

Lubricators automatically provide continuous lubrication for your air tool and eliminate time-consuming hand oiling at the tool itself. The amount of lubrication is adjustable. Use only Moisture-Gard Air Motor Oil in your lubricator.

#61643 Air Lubricator with 3/8" female pipe thread and connecting nipple.

#61644 Air Lubricator with 1/2" female pipe thread and connecting nipple.

**AIR REGULATORS**

Regulators provide constant, regulated air pressure for your tool, regardless of system pressure fluctuations. Eliminate excessive air pressure problems which can drastically reduce tool life. Regulator can be adjusted for 0 to 160 lbs. pressure and includes an easy-to-read calibrated gauge.

#61640 Air Regulator with 3/8" female pipe thread and pressure gauge.

#61641 Air Regulator with 1/2" female pipe thread and pressure gauge.

#56030 Air Regulator can be used directly on air tools which do not have built-in throttle-control regulators. Gives you precise power control. Screws into any 1/4" female air inlet.



**Air Hose Whips**

Every air tool should have a leader hose or hose whip separating the tool from the connector and coupler system. Couplers used at the air inlet of the tool increase over-all bulk and put excessive strain on the tool's inlet threads.

#61647 Air Hose Whip, 4' length, 5/16" I.D., 1/4" male pipe thread both ends. Use with air tools having 1/4" female air inlets.

#61649 Air Hose Whip, 6' length, 1/2" I.D., 3/8" male pipe thread both ends. Use with air tools having 3/8" female air inlets.



**Quick Reference Chart**

Filters, Lubricators, Regulators, Hose Whips for Black & Decker Air Tools

| Tool Catalog Number | Tool Inlet Thread Size | Filter Catalog Number | Lubricator Catalog Number | Regulator Catalog Number | Hose Whip Catalog Number |
|---------------------|------------------------|-----------------------|---------------------------|--------------------------|--------------------------|
| 593                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 599                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 766 Series          | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 768                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 773 Series          | 3/8" F.P.T.            | 61638                 | 61644                     | 61641                    | 61649                    |
| 774 Series          | 3/8" F.P.T.            | 61638                 | 61644                     | 61641                    | 61649                    |
| 775 Series          | 3/8" F.P.T.            | 61638                 | 61644                     | 61641                    | 61649                    |
| 778                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 790                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 791                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 805                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 829                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 850                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 851                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 855                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |
| 888                 | 1/4" F.P.T.            | 61637                 | 61643                     | 61640                    | 61647                    |

**LUBRICANTS**

See inside back cover for complete listing of B & D air and electric tool lubricants and lubricant specification chart.



# Black & Decker POWER CHISELS



# 599

# 850

# 855



## #599 Power Chisel

Cut out costly labor . . . add to your profits with this Black & Decker economy-priced power chisel. It'll speed up your muffler and tailpipe jobs plus a wide range of automotive cutting and scraping work. Locknut collar prevents power loss. Two-finger trigger permits perfect feathering. Chisel bits are held safely in place by the exclusive, patented INTERLOCK quick-change spring . . . yet you can snap them in and out in a jiffy.

## #850 Power Chisel

This heavy duty tool will make short work of shearing rivets and frozen bolts, breaking spot welds and cutting body panels. Built-in air regulator and feathering trigger gives you exact power control for straight line accuracy when cutting panels. Has hardened steel chisel bushing which can be replaced when worn . . . eliminates costly barrel replacement and gives much longer tool life.

## #855 Power Chisel

Power to spare for even the toughest automotive jobs like front end work on ball joints and frozen tie rods. Drives and removes valve guides with ease and accuracy. Pops off rivet heads with a few hard slams. Built-in regulator and feathering trigger gives you perfect control when you need it. Replaceable shank bushing saves money on repairs. When you need one tool that's versatile enough to handle every automotive application, choose model #855.



# 599-1

## #599-1 Muffler Kit

You get the best buy on a quality Power Chisel and the three accessory bits you'll need for fast, profitable muffler and tailpipe work. These same accessories will also do a variety of nut, bolt and metal cutting jobs. Includes #599 Power Chisel and accessories as follows:

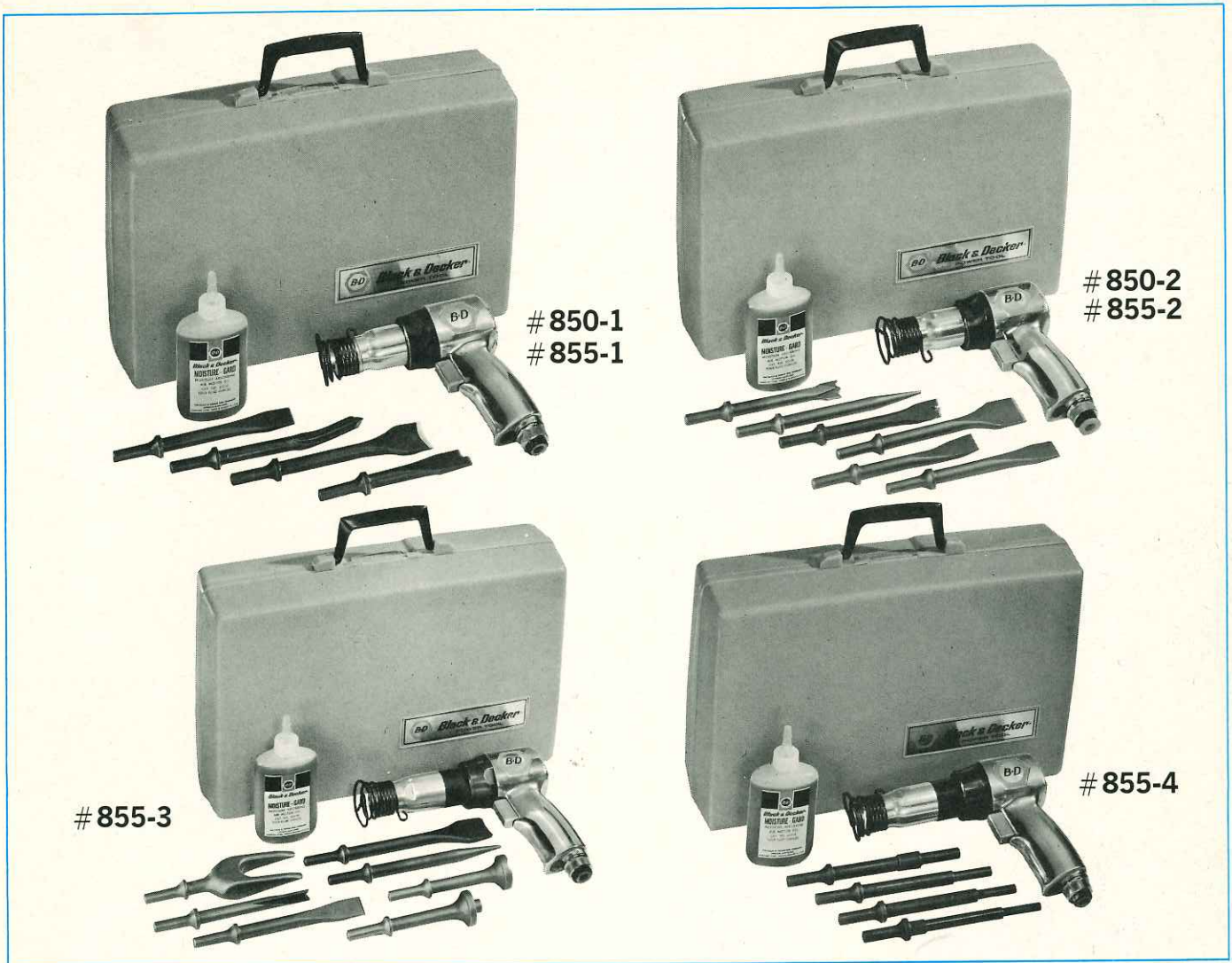
- #55416 Muffler Cutter
- #55439 Tailpipe Cutter
- #55428 7" Nut & Bolt Cutter
- Sturdy Kit Box FREE
- 4 oz. bottle Moisture Gard oil FREE



**FREE . . .** tough vinyl carrying case for your #850 or #855 power chisel, has slots for holding accessories.

| SPECIFICATIONS                 | # 599  | # 850  | # 855  |
|--------------------------------|--------|--------|--------|
| Chisel shank size              | .401"  | .401"  | .401"  |
| Blows per minute               | 4000   | 4300   | 3000   |
| Hose connection                | ¼" FPT | ¼" FPT | ¼" FPT |
| Recommended minimum hose size  | ¼"     | ¼"     | ¼"     |
| Recommended operating pressure | 90 PSI | 90 PSI | 90 PSI |
| Length                         | 6¾"    | 6¾"    | 7⅞"    |
| Net weight                     | 3⅝ lb. | 3⅝ lb. | 3⅝ lb. |

**Accessories**—See full line of Black & Decker power chisel accessories on page 8. SAFETY GOGGLES are recommended whenever operating power chisels.



### #850-1 #855-1 Service Station Kits

Everything you need to shear shock absorber nuts, cut muffler hanger bolts, cut off tailpipes and split mufflers from tailpipes. #850-1 Kit includes #850 Power Chisel and accessories as follows:

- #55432 7" Shock absorber chisel
- #55428 7" Nut & Bolt Cutter
- #55416 Muffler Cutter
- #55439 Tailpipe Cutter

Heavy Duty Carrying Case FREE  
4 oz. bottle of Moisture Gard oil FREE

#855-1 Kit. Includes #855 Power Chisel instead of #850.

### #855-3 Front End Kit

The seven accessory chisels in this kit make fast, easy work of separating ball joints, shearing and punching out ball joint rivets, loosening frozen tie rod sleeves and driving bushings. Includes #855 Power Chisel and accessories as follows:

- #55428 7" Nut & Bolt Cutter
- #55422 Tapered Punch
- #55419 Bushing Remover
- #55423 Bushing Remover Chisel
- #55435 Bushing Installer
- #55437 Universal Joint & Tie Rod Tool
- #55436 Fork Chisel

Heavy Duty Carrying Case FREE  
4 oz. bottle of Moisture Gard oil FREE

### #850-2 #855-2 Body Shop Kits

A special accessory assortment for all types of body shop work such as cutting panels, sheet metal, rivets and bolts, breaking spot weld and punching out sheared rivets and bolts. #850-1 Kit includes #850 Power Chisel and accessories as follows:

- #55418 Panel Cutter
- #55417 Sheet Metal Cutter
- #55428 7" Nut & Bolt Cutter
- #55420 Rivet Cutter
- #55424 Spot Weld Breaker
- #55422 Tapered Punch

Heavy Duty Carrying Case FREE  
4 oz. bottle Moisture Gard oil FREE

#855-2 Kit. Includes #855 Power Chisel instead of #850.

### #855-4 Valve Guide Driver Kit

Remove and insert valve guides quick and easy without fear of damaging either the valve guide or the engine block. You get Valve Guide Drivers in four different sizes which will fit 90 per cent of all passenger car and truck engines. Includes #855 Power Chisel and accessories as follows:

- #62325 5/16" Valve Guide Driver
- #62326 11/32" Valve Guide Driver
- #62327 3/8" Valve Guide Driver
- #62328 7/16" Valve Guide Driver

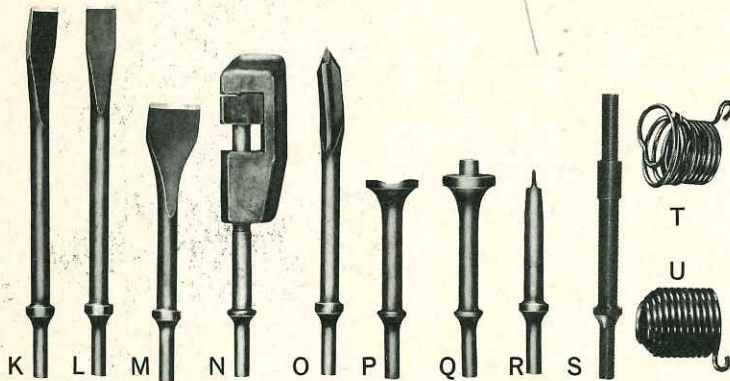
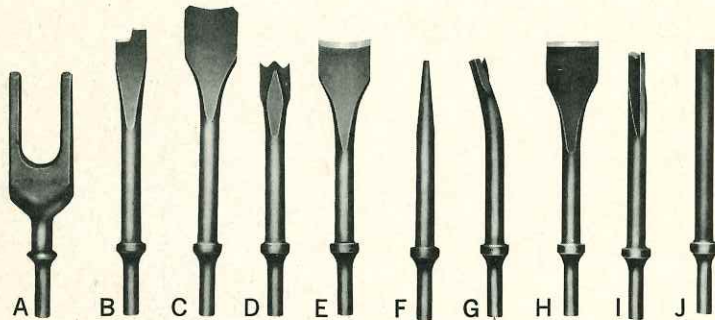
Heavy Duty Carrying Case FREE  
4 oz. bottle Moisture Gard oil FREE

## A full line of Tru-Stroke\* Chisels and Springs for B&D Power Chisels and all popular makes

\*Trademark of the Black & Decker Manufacturing Company



Genuine Tru-Stroke Chisels guarantee you top performance with all power chisels, because they are made to the industry's highest standards of precision. Dimension "A" is held to a tolerance of .015" on all chisels. This ensures that every blow will pack all the power your tool can deliver.



Air System Accessories . . . see page 5.

Air Tool Lubricants . . . see page 33.

**A. #55436 Fork Chisel.** Use for fast removal of the toughest tie rod ends and ball joints.

**B. #55432 Shock Absorber Chisel.** Cuts shock absorber top nut and bushing mount nut. Popular 7" length.

**C. #55423 Bushing Remover Chisel.** Used in front end work to remove rubber bushings quickly and easily.

**D. #55417 Sheet Metal Cutter.** Two cutting edges for longer cutting life. Follows intricate paths easily.

**E. #55439 Tail Pipe Cutter.** Shears 'em off fast, clean and easy.

**F. #55422 Tapered Punch.** Drive out frozen bolts, punch holes, drift out pins or line-up holes for replacement work.

**G. #55418 Panel Cutter.** Second to none for removal of any size panel in sheet metal work. Leaves a smooth, rounded edge.

**H. #55424 Spot Weld Breaker.** Extra-wide cutting surface breaks spot welds quickly.

**I. #55419 Bushing Remover.** For easy removal of idler arm sleeve-type bushings.

**J. #55430 Chisel Blank.** All-purpose driver made from hardened tool steel.

**K. #55420 Rivet Cutter.** Shears all types of rivets. Angle head for more effective results.

**L. #55427, 55428, 55429 5", 7" and 9" Nut & Bolt Cutter.** Three popular sizes for popping off nuts or bolts even in hard to reach areas.

**M. #55421 Undercoat Scraper.** Peels undercoat, dum-dum and all other goo type silencers and deadeners without panel damage.

**N. #55434 Panel Crimper.** Forms a step in sheet metal so that patch panel may be set flush. Does not curl or stretch surrounding metal when used on curved or straight sections.

**O. #55416 Muffer Cutter.** Peels muffer tube from tail or exhaust pipe clean and easy.

**P. #55437 Univ. Joint and Tie Rod Tool.** Loosens tie rod sleeves and univ. joints.

**Q. #55435 Bushing Installer.** Installs press fit bushings to the required depth with full control pilot locator.

**R. #55527, 55528, 55529 Piercing Punch.** Pierces the right size hole for sheet metal screws or other fasteners. Three convenient sizes to fit all jobs . . . # 6, # 8, # 10.

**S. # 62325, 62326, 62327, 62328 Valve Guide Drivers.** Removes and installs valve guides without damage to the bore. A must for engine reconditioning work. 5/16", 1/32", 3/8", 7/16" sizes.

**T. #58616 Exclusive INTERLOCK Quick-Change Spring** gives you positive protection against dangerous accidental shank release. Interlocking design grips the shank tighter as hammering force increases, but still lets you snap shanks in or out faster than ever before.

**U. #55533 Beehive Spring.** Preferred for maximum possible chisel retention. Ideal where quick-change feature isn't needed. Can be used only with narrow-headed chisel bits.



## #851 1/4" Air Drill

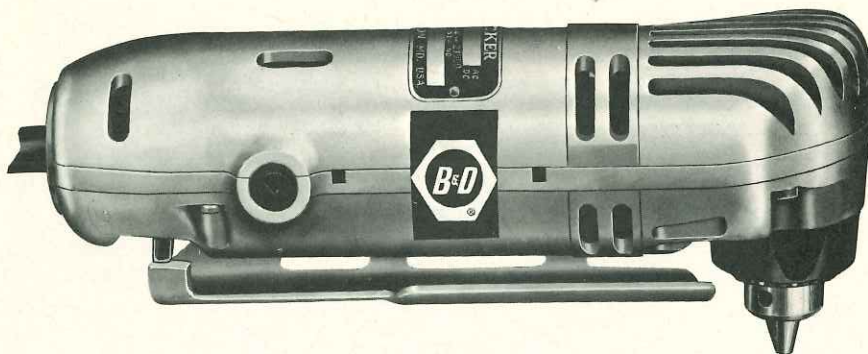
Designed specially for the automotive service trade, this powerful air drill is so compact you can use it effectively where most electric drills won't reach. It'll fit anywhere your hand will. Use it right side up or upside down . . . drill toward you or away . . . you always have complete control. Built-in air regulator and feathering throttle give you exact speed control. Built-in oiler keeps air motor lubricated while you work.

### SPECIFICATIONS

|                                |            |
|--------------------------------|------------|
| Capacity                       | 1/4" Steel |
| No-load speed                  | 2200 RPM   |
| Hose connection                | 1/4" FPT   |
| Recommended minimum hose size  | 1/4"       |
| Recommended operating pressure | 90 PSI     |
| Length                         | 6 3/4"     |
| Net weight                     | 2 3/8 lb.  |

**Air System Accessories . . .**  
See page 5

**Air Tool Lubricants . . .**  
See page 33



## #668 1/4" Heavy Duty Shorty® Drill

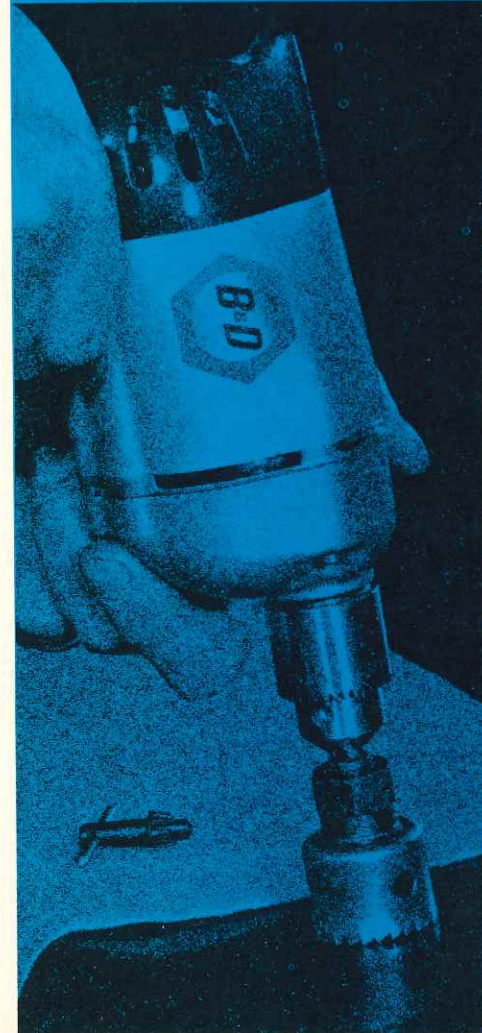
Here's a compact drill which you can maneuver into tighter spaces with less clearance than any other drill made. You simply hold it in the palm of your hand and activate the paddle switch with your fingertips. Works beautifully in such usually inaccessible places like behind the instrument panel. An indispensable tool for body shops and auto accessory installation specialists. Very cool-running motor.

### SPECIFICATIONS

|                  |            |
|------------------|------------|
| Capacity         | 1/4" steel |
| No-load speed    | 2000 RPM   |
| Rated load speed | 1000 RPM   |
| Amperage at 115V | 2.0        |
| Width            | 3 1/8"     |
| Length           | 8 5/8"     |
| Net weight       | 3 1/4 lb.  |



**Black & Decker®**  
**DRILLS**





## #457 1/4" Heavy Duty Holgun® Drill

#457

Here's the highest quality, most ruggedly constructed 1/4" drill you can buy. It'll stand up to tough, continuous heavy-duty use day in and day out. You won't overload its powerful motor even when you bear down hard. All ball and needle bearing construction. Use with #22148 bench drill stand (see page 13).

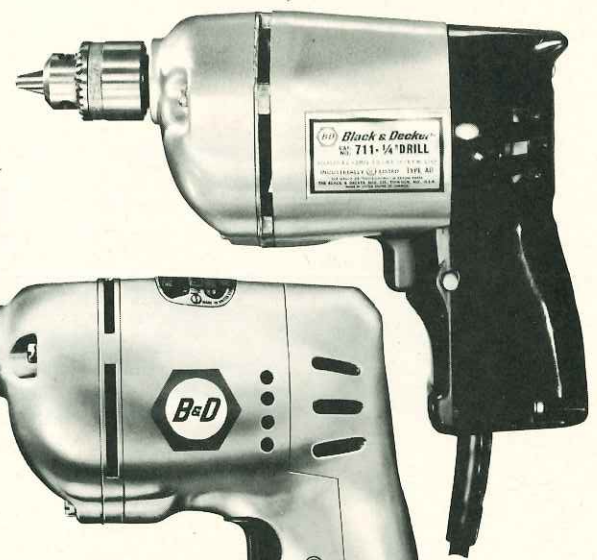
| SPECIFICATIONS   | #457       |
|------------------|------------|
| Capacity         | 1/4" steel |
| No-load speed    | 1700 RPM   |
| Rated load speed | 1300 RPM   |
| Amperage at 115V | 3.0        |
| Length           | 7 3/4"     |
| Net weight       | 3 1/4 lb.  |

Accessories—for full line of Black & Decker drill accessories, see page 14.

## #711 1/4" Drill

#711

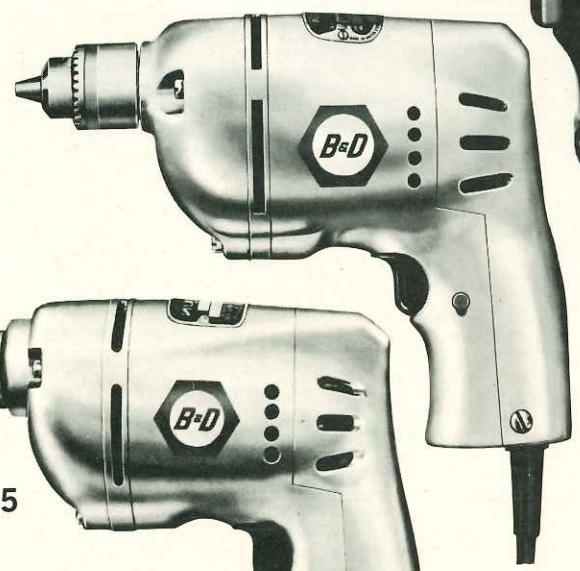
A professional quality drill at a low, economy price. Its light weight and compact construction make it ideal for general automotive use. Perfect home workshop tool for the man who wants better quality. High-strength Cyclolac handle insulates against heat. Special motor windings give high-overload protection. You'll get years of trouble-free service. Use with #39020 bench drill stand (see page 13).



## #30 1/4" Drill

#30

More torque at a slightly slower speed. All-metal housing and heavier chuck for rugged automotive applications. This tool has extra bearing protection and is equipped with special long-life brushes. Use with #39020 bench drill stand (see page 13).

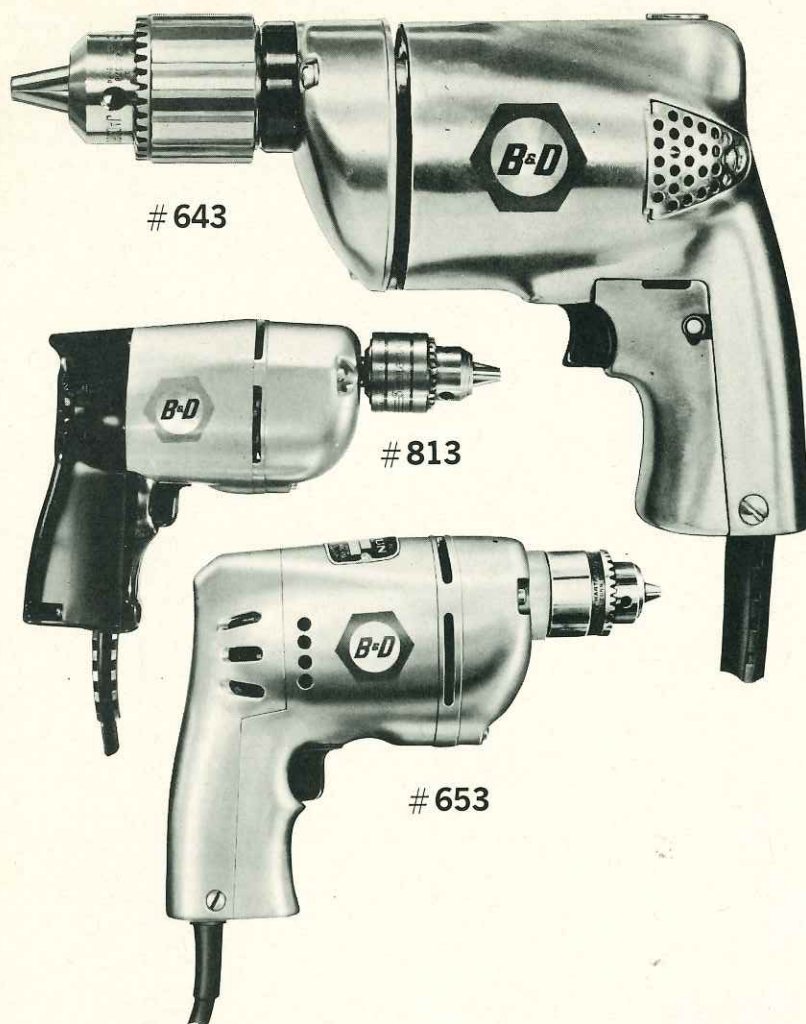


## #345 1/4" Standard Holgun® Drill

#345

This drill is rated for heavy-duty service in garages and body shops. Its added power will handle the tougher jobs with less load on the motor. Extra bearing protection to assure long tool life. Use with #39020 bench drill stand (see page 13).

| SPECIFICATIONS   | #711       | #30        | #345       |
|------------------|------------|------------|------------|
| Capacity         | 1/4" steel | 1/4" steel | 1/4" steel |
| No-load speed    | 2250 RPM   | 2000 RPM   | 1700 RPM   |
| Rated load speed | 1750 RPM   | 1400 RPM   | 1050 RPM   |
| Voltage          | AC only    |            |            |
| Amperage at 115V | 2.0        | 2.0        | 2.5        |
| Length           | 7 1/8"     | 8 1/2"     | 8 1/2"     |
| Net weight       | 3 lb.      | 3 3/8 lb.  | 3 3/8 lb.  |



## #643 3/8" Heavy Duty Holgun® Drill

When you want the very best in a 3/8" drill, choose this heavy duty HОLGUN® drill. Constructed for long, trouble-free service even under continuous, heavy-duty use. Its extra long life brushes, precision geared chuck and special alloy gears make this an excellent power tool investment. Use with #22148 bench drill stand (see page 13).

## #813 3/8" Drill

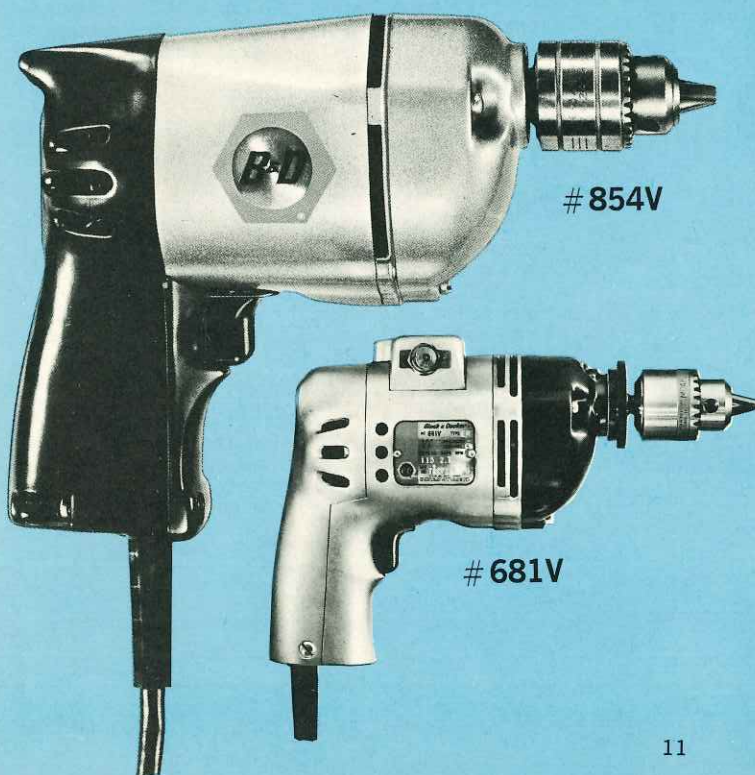
When you step up to a 3/8" drill, this B & D model #813 will give you the extra power you're looking for at the lowest possible cost. Double reduction gearing makes smooth, clean hole-saw cuts a cinch. Equipped with high-strength Cyclolac handle. Use with #39020 bench drill stand (see page 13).

## #653 3/8" Standard Holgun® Drill

This drill is the right choice for repair garages, body shops and fleet shops with heavy-duty requirements. An ideal drill for auto accessory specialists who do installation of auto radios, tape recorders, air conditioners. All metal housing; heavy-duty geared chuck. Use with #39020 bench drill stand (see page 13).

| SPECIFICATIONS   | # 643      | # 813      | # 653      |
|------------------|------------|------------|------------|
| Capacity         | 3/8" steel | 3/8" steel | 3/8" steel |
| No-load speed    | 1000 RPM   | 1000 RPM   | 1100 RPM   |
| Rated load speed | 650 RPM    | 560 RPM    | 680 RPM    |
| Voltage          |            | AC only    |            |
| Amperage at 115V | 3.0        | 2.2        | 2.5        |
| Length           | 8 5/8"     | 8"         | 8 1/2"     |
| Net weight       | 3 3/4 lb.  | 3 1/4 lb.  | 3 3/8 lb.  |

## NEW VARIABLE SPEED DRILLS



## #854V 3/8" Variable Speed Drill

You can start at zero . . . then gradually increase to any speed you want up to 1000 RPM at the touch of your trigger finger. Trigger switch has lock pin for continuous "on" position. Drill steel without center punching. Eliminate "bit walking" on curved surfaces. A perfect tool for making fast, clean, hole saw cuts. Model #854V fits into #39020 bench drill stand (see page 13).

## #681V 3/8" Variable Speed Rev. Scru-Drill®

Here's two tools in one . . . a 3/8" variable speed drill and a positive clutch reversible screwdriver. Variable speed trigger lets you start screws at very low speed . . . then run 'em down fast as you like. Reversing switch convenient for fast screwdriver disassembly work on headlights, trim and accessories. Standard equipment includes Bit and Finder for #8 to #12 slotted head screws.

| SPECIFICATIONS   | # 854V        | # 681V        |
|------------------|---------------|---------------|
| Capacity         | 3/8" steel    | 3/8" steel    |
| No-load speed    | 0 to 1000 RPM | 0 to 1000 RPM |
| Rated load speed | 0 to 650 RPM  | 0 to 650 RPM  |
| Amperage at 115V | 2.4           | 2.7           |
| Voltage          | AC only       | AC only       |
| Length           | 8"            | 9 3/4"        |
| Net weight       | 3 1/2 lb.     | 4 lb.         |

**Accessories**—for full line of Black & Decker drill accessories, see page 14.



## #815 1/2" Drill

You get full 1/2" capacity with the compact size and handling ease of pistol grip design. Side handle gives you perfect control with larger bits. Nine-bearing construction, quality chuck and commutator dust shields assure top performance. All this at a low, low price that can't be beat for comparable quality.

## #812-R 1/2" Reversing Drill

Higher torque, a cool-running motor and handy reversing feature give this tool a broad application range. Heat-treated gears wear longer, run smoother. Versatile auxiliary handle can be positioned right, left or top to suit the operator and the job. Exceptionally well balanced for handling ease. Use with #22148 bench drill stand (see page 13).

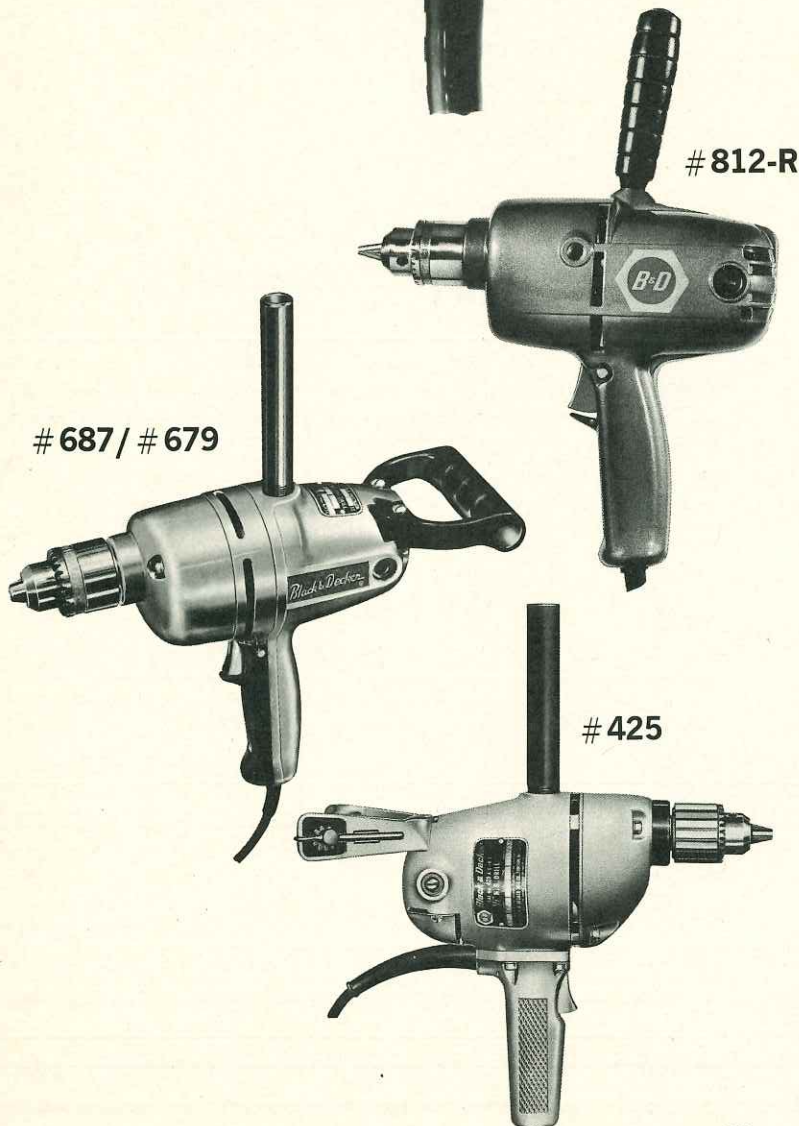
## #687 1/2" Reversing Special Drill

This drill is ideal for fleet shops and garages which specialize in truck, trailer and off-highway vehicle maintenance work. Reversing feature allows "backing out" without damage to bit or hole . . . broadens application range. Rear spade handle for maximum control; auxiliary top handle for when you really want to bear down. Precision chuck for extreme accuracy. Use with #22145 bench drill stand (see page 13).

#679 1/2" SPECIAL DRILL. Same design as model #687 but without reversing feature.

## #425 1/2" Heavy Duty Drill

A compact gearcase and minimum spindle offset make this high powered drill particularly well suited for applications where you need high torque but where space is limited. Remove the top auxiliary handle and barely more than an inch of clearance is needed to drill in tight against chassis frames and trailer bodies. Convenient rear cord attachment reduces total top to bottom clearance needed. Armature and chuck spindles are ball-bearing mounted for smooth performance and extra long life. Special motor windings protect against overload. Rated for continuous, heavy-duty application. Use with #22145 bench drill stand (see page 13).



| SPECIFICATIONS   | # 815      | # 812-R    | # 687 / # 679 | # 425      |
|------------------|------------|------------|---------------|------------|
| Capacity         | 1/2" steel | 1/2" steel | 1/2" steel    | 1/2" steel |
| No-load speed    | 550 RPM    | 550 RPM    | 600 RPM       | 450 RPM    |
| Rated load speed | 400 RPM    | 360 RPM    | 340 RPM       | 300 RPM    |
| Voltage          | AC only    |            |               |            |
| Amperage at 115V | 3.0        | 4.0        | 4.5           | 5.5        |
| Length           | 9"         | 10 3/8"    | 14"           | 13 1/2"    |
| Net weight       | 3 3/4 lb.  | 7 lb.      | 7 1/2 lb.     | 9 3/4 lb.  |



**ALL INSULATED DRILLS**

For maximum protection against accidental shock hazard even when working in damp areas, we recommend our top-quality line of pistol-grip and end handle All-Insulated drills. All parts you touch, including the chuck are insulated. And, there are no "line" parts exposed through the air slots. Fiberglass-reinforced polyester housing will withstand same heavy duty use as metal housing and is not affected by temperature extremes. Good drills to have if floors in your service bays and repair areas are wet most of the time. Ideal drills for boat-owners.

**#880 1/4" All-Insulated Drill**

A durable drill which will withstand hard use around any automotive repair shop. Two-prong plug fits any receptacle. Use with #39020 bench drill stand (see page 13).

**#881 1/4" All-Insulated Drill**

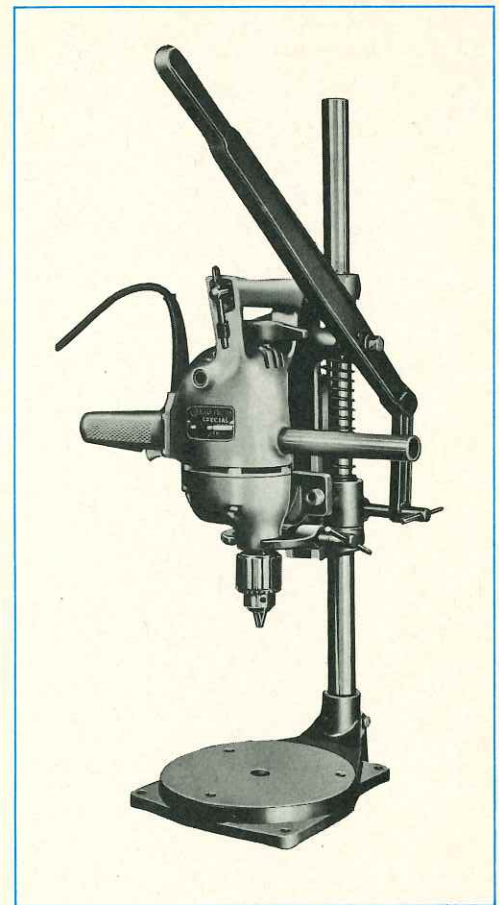
**#883 3/8" All-Insulated Drill**

**#884 1/2" All-Insulated Drill**

**#884R 1/2" Reversing, All-Insulated Drill**

End-handle design of the above four models permits maximum pressure behind the bit. New cooling system gives top efficiency and longer life. Use with #22148 bench drill stand.

| SPECIFICATIONS   | # 880<br>1/4" Drill | # 881<br>1/4" Drill | # 883<br>3/8" Drill | # 884/ # 884R<br>1/2" Drill |
|------------------|---------------------|---------------------|---------------------|-----------------------------|
| Capacity         | 1/4" steel          | 1/4" steel          | 3/8" steel          | 1/2" steel                  |
| No-load speed    | 2250 RPM            | 2000 RPM            | 900 RPM             | 500 RPM                     |
| Rated load speed | 1500 RPM            | 1075 RPM            | 525 RPM             | 250 RPM                     |
| Voltage          | AC only             | AC only             | AC only             | AC only                     |
| Amperage at 115V | 2.2                 | 5.2                 | 5.2                 | 5.2                         |
| Length           | 8 1/2"              | 12 7/8"             | 13 1/2"             | 13 3/8"                     |
| Net weight       | 3 3/8 lb.           | 6 1/2 lb.           | 6 1/2 lb.           | 7 1/8 lb.                   |



**BENCH DRILL STANDS**

Increase the usefulness of B & D Drills by converting the portable unit to a drill press for heavy-duty work. Available for all sizes.

**#39020 Bench Drill Stand**

Fits 1/4" #711 Drills, 1/4" Special (type "D") & 3/8" Special Drills; 1/4" & 3/8" std. Holgun Drills; #880 1/4" All-Insulated Drill.

**#22148 Bench Drill Stand**

Fits 1/4" & 3/8" H.D. Holgun Drills; 1/4" Special (types A,B,C); 1/4" & 3/8" Std.; 1/4" H.D. Drills; 1/4", 3/8" & 1/2" H.D. (but not Rev. 1/2" H.D.) End Handle Drills; Maximum feed is 2"; from C/L Bit to C/L Column is 5 1/4".

**#22145 Bench Drill Stand**

Fits 3/8" H.D., 1/2" Special, 1/2" Std. & 1/2" H.D. Drills. Maximum feed is 4"; from C/L Bit to C/L Column is 6".

**#13857 Bench Drill Stand**

Fits all Black & Decker side-handle Drills from 1/2" Super-Duty to the 1" Heavy-Duty. Maximum feed is 4"; from C/L Bit to C/L Column is 8".

**Accessories**—for full line of Black & Decker drill accessories, see page 14.



Threaded Chuck and Key



Key Only



Key Holder

## Drill Chucks, Keys, Key Holders

| Geared Chuck Size | Spindle Connection † | Used on These Units  | Chuck & Key B&D Model No. (Jacobs No.) Supreme No. | Key Only B&D Model No. (Jacobs No.) Supreme No. | Key Holder Model No. |
|-------------------|----------------------|--|--|---|----------------------|
| 1/4"              | 3/8"-24 thd. (M)     | 1/4" All-Purpose Drill, 1/4" Std. Holgun (E), 1/4" Spl. Drill (D), 1/4" Drill (AA)       | 45354 (MC-1G41) (MC2) (MC1) HM1A, BM1A, H1A        | 45355 (KG)                                      | 34518                |
| 1/4"              | 3/8"-24 thd. (F)     | 1/4" Std. Holgun (F)   | 55313 (MC1G61)                                     | 45355 (KG)                                      | 34518                |
| 1/4"              | 1/2"-20 thd. (F)     | 1/4" H.D. Drills (H to N), 1/4" Std. Drills (B, C, CP, CSP, D)                           | 23227 (7B-1/2-20) 4B                               | 7705-L (K7) 4                                   | 34518                |
| 1/4"              | 3/8"-24 thd. (F)     | 1/4" Holgun (B), All 1/4" H.D. Holguns   | 23762 7B-3/8-24) 4A                                | 7705-L (K7) 4                                   | 34518                |
| 3/8"              | 1/2"-20 thd. (F)     | 3/8" Std., 3/8" H.D. (N to T)  | 23229 (32B) 3B                                     | 4794-L (K32) 5                                  | 34519                |
| 3/8"              | 3/8"-24 thd. (F)     | 3/8" Std. Holgun (A), 3/8" Special Drill, 3/8" 2-Speed H. D. Drill, 3/8" Std. Holgun (B) | 58144 (MC4K61)                                     | 46164 (KK)                                      | 34519                |
| 3/8"              | 3/8"-24 thd. (F)     | 3/8" H.D. Holgun   | 26299 (2B)   | 1536-L (K2)                                     | 34519                |
| 1/2"              | 1/2"-20 thd. (M)     | 1/2" Spl. Drill (F)  | 52114 (MC8K64)                                     | 46164 (KK)                                      | 34519                |
| 1/2"              | 1/2"-20 thd. (F)     | 1/2" Std. (B), 1/2" H.D. (M), 1/2" Special (E)   | 23230 (33B-1/2-20) 5B                              | 4794-L (K32) 5                                  | 34519                |

## High Speed Hole Saws



Hole Saw Assembly

Hole saws can be used with any drill or spindle equipped with the correct chucking device, but the power and speed of the spindle will govern the maximum hole saw size which can be used with satisfactory results. Follow these recommendations for most hole saw application:

- On 1/4" drills: not larger than 1 1/8" hole saws.
- On 3/8" drills: not larger than 1 1/2" hole saws.
- On 1/2" drills: not larger than 3 1/2" hole saws.

## Hole Saws

| Outside Diameter of Hole Saw | Hole Saw Catalog Number | Use with these Mandrels             |                                   |
|------------------------------|-------------------------|-------------------------------------|-----------------------------------|
|                              |                         | With 1/2" or larger capacity drills | With 1/4" or 3/8" capacity drills |
| 5/8"                         | 36468                   | *                                   | *                                 |
| 3/4"                         | 21747                   | 14903                               | 22181                             |
| 7/8"                         | 21748                   | 14903                               | 22181                             |
| 1 1/16"                      | 21749                   | 14903                               | 22181                             |
| 1"                           | 21771                   | 14903                               | 22181                             |
| 1 1/16"                      | 22809                   | 14903                               | 22181                             |
| 1 1/8"                       | 21772                   | 14903                               | 22181                             |
| 1 1/4"                       | 21773                   | 14903                               | 22181                             |
| 1 1/2"                       | 21781                   | 14904                               | 22182                             |
| 1 3/4"                       | 21782                   | 14904                               | 22182                             |
| 1 7/8"                       | 21783                   | 14904                               | 22182                             |
| 1 5/8"                       | 21784                   | 14904                               |                                   |
| 1 3/4"                       | 21785                   | 14904                               |                                   |
| 1 7/8"                       | 21786                   | 14904                               |                                   |
| 2"                           | 21787                   | 18028                               |                                   |
| 2 1/16"                      | 21788                   | 18028                               |                                   |
| 2 1/8"                       | 21789                   | 18028                               |                                   |
| 2 1/4"                       | 21790                   | 18028                               |                                   |
| 2 3/8"                       | 21791                   | 18028                               |                                   |
| 2 1/2"                       | 21792                   | 18028                               |                                   |
| 2 5/8"                       | 21793                   | 18028                               |                                   |
| 2 3/4"                       | 21794                   | 18028                               |                                   |
| 2 7/8"                       | 21795                   | 18028                               |                                   |
| 3"                           | 21796                   | 18028                               |                                   |
| 3 1/8"                       | 21797                   | 18028                               |                                   |
| 3 1/4"                       | 21798                   | 18028                               |                                   |
| 3 1/2"                       | 21799                   | 18028                               |                                   |
| 3 3/4"                       | 27166                   | 18028                               |                                   |
| 3 7/8"                       | 36454                   | 18028                               |                                   |
| 3 5/8"                       | 36455                   | 18028                               |                                   |
| 4"                           | 21800                   | 18028                               |                                   |

\*5/8" hole Saw has a built-in Mandrel; no separate Mandrel is required.



Mandrel

## Hole Saw Mandrels

FOR 1/4" THRU 3/8" CAPACITY DRILLS

- # 22181 MANDREL WITH PILOT DRILL to fit 3/4" thru 1 1/16" hole saws.
- # 22182 MANDREL WITH PILOT DRILL to fit 1 1/4" thru 1 1/2" hole saws.

FOR 1/2" AND LARGER CAPACITY DRILLS

- # 14903 MANDREL WITH PILOT DRILL to fit 3/4" thru 1 3/16" hole saws.
- # 14904 MANDREL WITH PILOT DRILL to fit 1 1/4" thru 1 7/8" hole saws.
- # 18028 MANDREL WITH PILOT DRILL to fit 2" thru 4" hole saws.

## Pilot Drills



- # 22192 PILOT DRILL FOR # 22181, # 22182 mandrels.
- # 14935 PILOT DRILL for # 14903, # 14904, # 18028 mandrels.

## # C-1563 Drill Bit Set

12 Drill Bits (1/16" to 1/4") plus center punch in handy, compact pocket-size plastic case. High speed steel.



Drill Bit Set

## Wheel Arbor

Use for attaching grinding wheels, wire wheel brushes and buffing wheels to Drills.

# 39026 1/4" Drill Arbor (1/2" Diam., 1/4" Shank).

## Rubber Backing Pad

Use for attaching discs, bonnets and pads to drills.

# 66547 5" Rubber Backing Pad, Plain Shank.

## Grinding and Buffing Wheels

Use with 1/4" to 1/2" Drills and Wheel Arbors.

# 39024 3" x 1/2" x 1/2" Medium Grit Grinding Wheel.

# 39015 3" x 3/8" x 1/2" Cotton Buff.

## Wire Wheel and Cup Brushes

Use with Drills to remove rust, scale, paint. Available in 1 and 2 section.

- # 39008 4" Fine Wire Wheel Brush, 1 sec.
- # 23209 4" Fine Wire Wheel Brush, 2 sec.
- # 27000 4" Medium Wire Wheel Brush, 1 sec.
- # 27001 4" Medium Wire Wheel Brush, 2 sec.
- # 39009 4" Coarse Wire Wheel Brush, 1 sec.
- # 23201 4" Coarse Wire Wheel Brush, 2 sec.
- # 56872 3" Coarse Wire Wheel Brush.
- # 56875 1 1/2" Coarse Wire Cup Brush.
- # 56874 2 1/2" Coarse Wire Cup Brush.
- # 39014 3" Wire Cup Brush.



Wheel Arbor



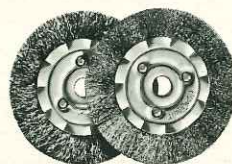
Rubber Backing Pad



Grinding Buffing Wheels



Wire Cup Brush



Wire Wheel Brush



Black & Decker®

# DISC SANDERS



#891

## #891 7" Disc Sander

Designed especially for the man who wants a dependable, 7" disc sander for general automotive use at the lowest possible price. Its powerful 7 amp motor drives the sanding disc at a no-load speed of 4,000 RPM. Compact design, moderate weight and reversible side handle provide full control with less operator fatigue. Ball and roller bearings throughout assure smooth-running performance. Outfitted with non-marring tool rests and convenient lock button on trigger switch. We recommend this tool not be used with any 9" disc accessories, grinding cup wheels and wire cup brushes.

**Standard Equipment:**

- #61829 3½" Quick-change backing pad
- #61906 5" Phenolic disc
- #61907 7" Phenolic disc
- #50933 Clamp washer



#92

## #92 9" Heavy Duty Disc Sander

Ball bearing construction throughout gives this popular tool its higher performance rating for maximum production work in body shops and fleet ships. Powered by a high-torque, 8.5 amp motor which drives the sanding disc at a no-load speed of 4250 RPM. Heavy duty gears and shafts keep it running smooth and tight even after long, hard application. Equipped with plunger switch, convenient reversible side handle and spindle lock.

**Standard Equipment:**

- #61829 3½" Quick-change backing pad
- #61906 5" Phenolic disc
- #61907 7" Phenolic disc
- #61908 9" Phenolic disc
- #50933 Clamp washer

| SPECIFICATIONS   | #891           | #92            |
|------------------|----------------|----------------|
| Disc diameter    | 7"             | 9"             |
| Spindle          | 5/8"-11 thread | 5/8"-11 thread |
| No-load speed    | 4000 RPM       | 4250 RPM       |
| Voltage          | AC only        |                |
| Amperage at 115V | 7.0            | 8.5            |
| Length           | 14"            | 17¾"           |
| Net weight       | 7½ lb.         | 10½ lb.        |

**SAFETY GOGGLES** are recommended whenever operating abrasive type tools.

**Accessories**—for full line of quality Black & Decker sander accessories, see pages 16 & 17.

## Heavy Duty 9" Disc Sanders



**#590-5 Heavy Duty Disc Sander 5000 RPM**

**#590-6 Heavy Duty Disc Sander 6000 RPM**

Use these highly versatile tools with sanding discs, flaring cup grinding wheels, depressed center abrasive wheels and wire cup brushes for fast work on a wide variety of surfacing jobs. Ideal for removing paint, rust and scale, smoothing out welds and casting ridges and for satin-smooth sanding. Sealed ball bearings are used throughout. Powerful fan keeps motor cool and blows abrasive dust away from the operator.

| SPECIFICATIONS   | # 590-5                   | # 590-6    |
|------------------|---------------------------|------------|
| No-load speed    | 5000 RPM                  | 6000 RPM   |
| Spindle          | 5/8"-11 thread all models |            |
| Amperage at 115V | 12                        | 12         |
| Length           | 18 3/16"                  | 18 3/16"   |
| Net weight       | 13 3/8 lb.                | 13 3/8 lb. |

## Disc Sander Accessories and Replacement Items

### Quick-Change Flexible Backing Pads

Change Sanding Discs 50% Faster. Requires no tools. Fits any 5/8"-11 thread spindle.

- # 61829 3 1/2" Quick Change Flexible Backing Pad for Phenolic Assemblies.
- # 50928 5" Quick-Change Flexible Backing Pad, with Clamp Washer.
- # 50934 7" Quick-Change Flexible Backing Pad, with Clamp Washer.
- # 51824 7" Quick-Change Super-Flexible Rubber Backing Pad with Clamp Washer.

### Phenolic Backing Discs

These light-weight backing discs provide greater flexibility for most sanding operations. For maximum rigidity combine two or three sizes with 3 1/2" backing disc and proper size abrasive disc. For more flexibility use one or two sizes with 3 1/2" backing disc and proper size abrasive disc.

- # 61913 Phenolic Disc Assembly. Includes 5", 7", 9" Phenolic Discs, 3 1/2" Backing Pad and Clamp Washer.
- # 61906 5" Phenolic Disc only.
- # 61907 7" Phenolic Disc only.
- # 61908 9" Phenolic Disc only.

### Feather-Edging Attachment for 7" Sanders

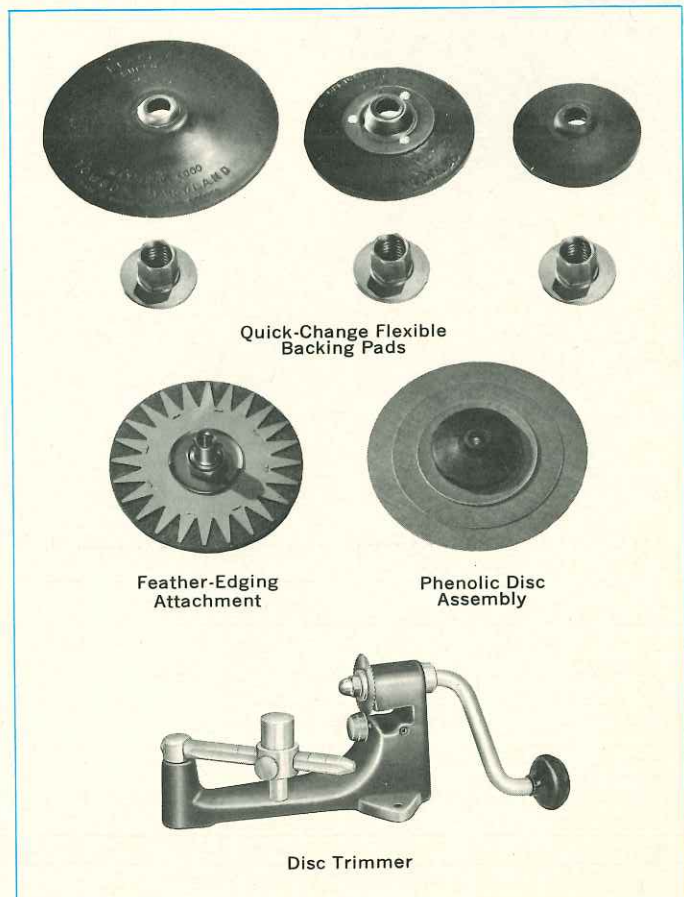
New modern way to feather-edge. Uses inexpensive and flexible, cloth-backed discs which are held by a quick-acting twist-lock plunger. Cuts out practically all hand sanding.

- # 33493 Feather-Edging Attachment.
- # 33998 Felt Pad with Fiber Backing Pad.

### # 21808 Disc Trimmer

Cuts discs down to smaller sizes as the outer edges are worn out. Takes discs of 9 1/8" maximum diameter and either 7/8" or 1/2" center-hole; trims down to 3" diameter.

- # 21753 Replacement Cutter.



Quick-Change Flexible Backing Pads

Feather-Edging Attachment

Phenolic Disc Assembly

Disc Trimmer

**Clamp Washers**

#22191 Clamp Washer. Inside-threaded. Used with Depressed Center Wheels.  
 #50933 Clamp Washer for #50928, #51824, #50934 and #61829 Quick-Change Pads. Inside-threaded. Fits through backing Pads and threads on Sander spindle.

**Spanner Wrench**

#61820 For use in tightening clamp washers to Sanders.

**Depressed-Center Wheels for Sanders**

Performs to best advantage on rough surfaces, giving a better finish than possible with a grinding wheel; or where the application is too severe for highly flexible, coated, abrasive discs. Sufficient flexibility for blending and smoothing curved surfaces and corners. No. 24 Grit.

- #37111 7" x 1/8" x 7/8" Depressed Center Wheel.
- #37112 7" x 1/4" x 7/8" Depressed Center Wheel.
- #37113 9" x 1/8" x 7/8" Depressed Center Wheel.
- #37114 9" x 1/4" x 7/8" Depressed Center Wheel.
- #50885 7" Guard Assembly.
- #37109 9" Guard Assembly.
- #54338 Disc Wheel Adaptor: Includes Wheel Backing Flange, not threaded, #22191 Clamp Washer and #61820 Spanner Wrench for use with Depressed Center and "Koolie-hat" Wheels.

**Wire Cup Brushes**

(Fit on all tool spindles having 5/8"-11 thread. Maximum safe speed 6000 RPM.)

Made in our own plant, for use on all Portable Sanders. Well built of finest quality wire to give long service on the toughest kinds of cleaning operations. Use these Wire Cup Brushes for removing rust and scale from all metal surfaces and for taking off old paint.

- #18056 4" Wire Cup Brush.
- #24353 5" Wire Cup Brush.
- #12398 6" Wire Cup Brush.

**Flaring Cup Wheels**

(Fit on all tool spindles having 5/8"-11 thread)  
 For some metal grinding applications, the Sander equipped with a Flaring Cup Wheel does smoother and faster work than a Portable Grinder.

- #24050 4" Flaring Cup Wheel.
- #23444 5" Flaring Cup Wheel.
- #18039 6" Flaring Cup Wheel.

Always use Flaring Cup Wheel Guard with above.

**Flaring Cup Wheel Guards**

Provide safe operating conditions when using Flaring Cup Wheels.

- #38507 4" Flaring Cup Wheel Guard.
- #38508 5" Flaring Cup Wheel Guard.
- #38509 6" Flaring Cup Wheel Guard.



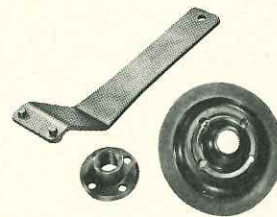
#22191 Clamp Washers #50933



Spanner Wrench



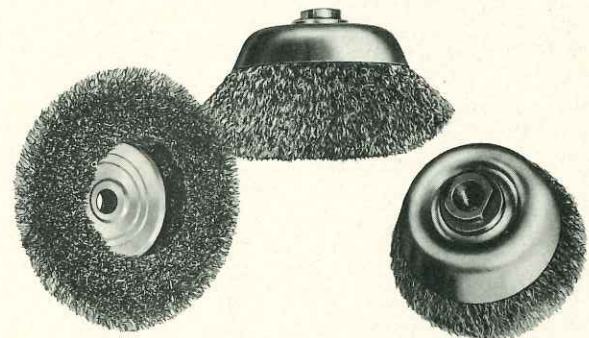
Depressed Center Wheels



Disc Wheel Adapter



Guard



Wire Cup Brushes



Flaring Cup Wheel



Wheel Guard



*Black & Decker*  
**FINISHING SANDERS**



**NEW**



#788

**#788 Electric Finishing Sander**

High speed motor delivers 9000 orbits per minute for extra-fast results. Rapid-action, self-adjusting paper clamps hold up to four sheets of abrasive. Direct drive . . . no belts to adjust, no gears to wear. Double sealed ball bearings, never need lubrication.

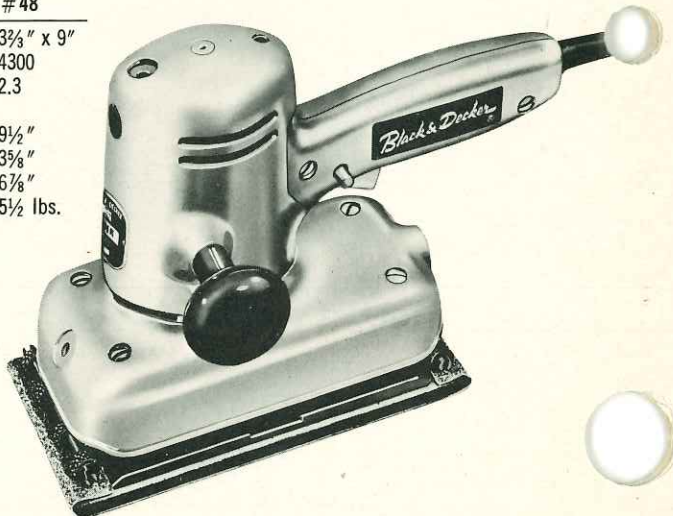
REPLACEMENT PADS:

- #59991 Felt Pad and Plate
- #59998 Rubber Pad and Plate

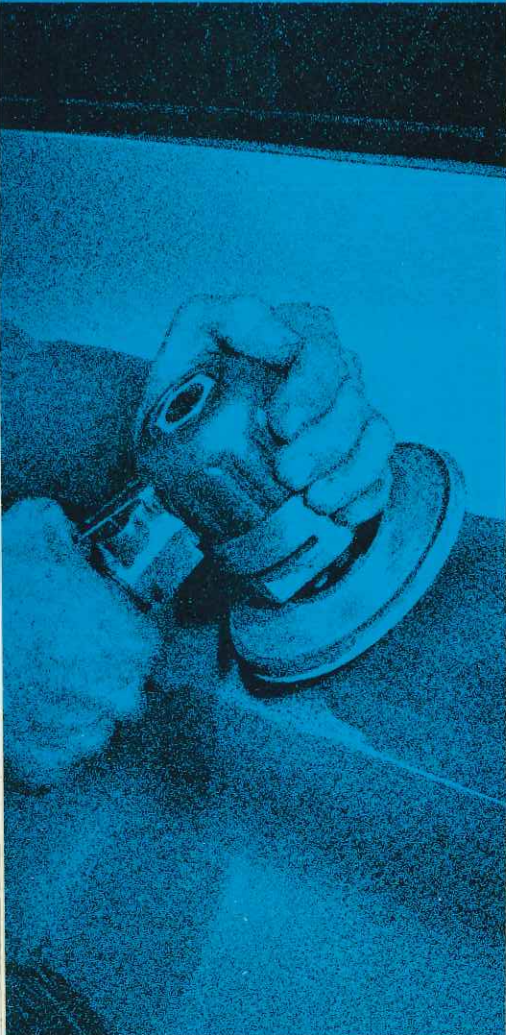
**#48 Electric Finishing Sander**

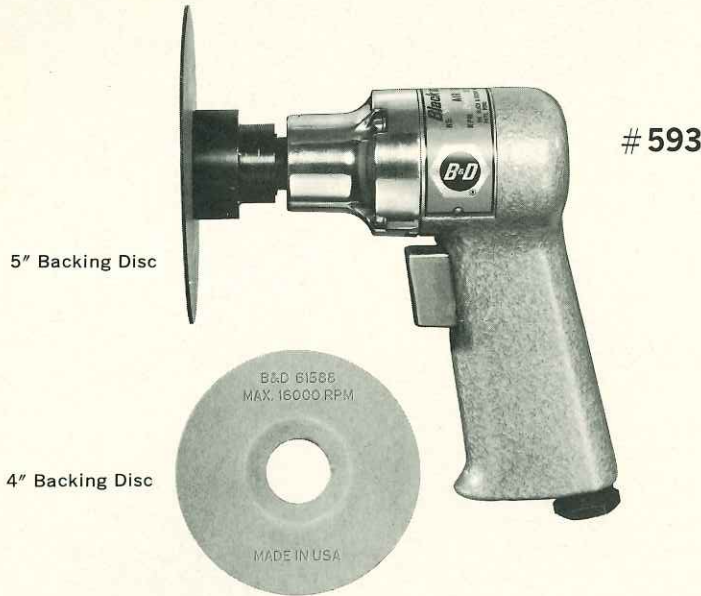
Orbital action produces a fine finish free of swirl marks on metal, wood, plastics. Vital parts are shielded from dust for longer tool life. New round brushes wear longer. Knob handle mounts in 3 positions. Instant release trigger switch with locking pin. Excellent tool for automotive and marine applications.

| SPECIFICATIONS      | # 788     | # 48     |
|---------------------|-----------|----------|
| Abrasive paper size | 4½" x 11" | 3⅜" x 9" |
| Orbits per minute   | 9000      | 4300     |
| Amperage at 115V    | 3.0       | 2.3      |
| Sander Size         |           |          |
| Length              | 11½"      | 9½"      |
| Width               | 4½"       | 3⅝"      |
| Height              | 7"        | 6⅞"      |
| Weight              | 7¼ lbs.   | 5½ lbs.  |



#48





## #593 Air Sander

This versatile, low-priced air sander is an ideal tool for fast, light touch up work around any body shop, paint shop, service station or repair garage. Use it with either the 4" or 5" backing disc supplied or with rubber backing pads to strip decals and old lettering, touch up rust spots and smooth out ripples and streaks in touch up spray painting. Very compact and light weight; designed to let you sand contours and hard-to-reach areas. Multi-purpose spindle has 5/8"-11 thread outside and 5/16"-24 thread inside to accept studded pads with 15,000 RPM rating.

**ACCESSORIES:**

Included as standard equipment and also available separately as replacement items.

- # 61588 4" Backing disc
- # 61589 5" Backing disc
- # 61590 Clamp screw



Clamp Screw

## #805 Random Orbit Air Sander



### # 805

Includes 5" sanding pad as standard equipment.

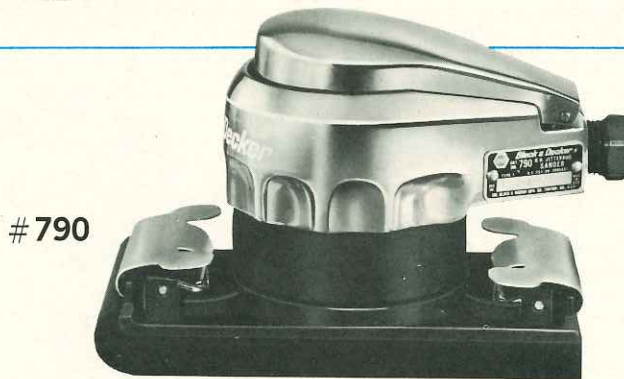
No swirl marks or streaks because sanding pad never repeats the same path. At disc sander speed, you get a satin-smooth finish ready to take a flawless paint job. Virtually eliminates wet or hand sanding. Ideal for feather edging. Built-in air regulator. Uses 5" or 6" sanding pads.

**ACCESSORIES:**

- # 57435 5" sanding pad (standard equipment)
- # 57436 6" sanding pad



| SPECIFICATIONS                 | # 593      | # 805      |
|--------------------------------|------------|------------|
| No-load speed                  | 15,000 RPM | 12,000 RPM |
| Hose connection                | 1/4" FPT   | 1/4" FPT   |
| Recommended minimum hose size  | 1/4"       | 1/4"       |
| Recommended operating pressure | 90 PSI     | 90 PSI     |
| Length                         | 5"         | 8 1/2"     |
| Net weight                     | 2 1/2 lb.  | 3 3/4 lb.  |



### # 790

## AIR JITTERBUG SANDERS

Two sizes

#790 . . . uses 3" x 8" abrasive paper

#791 . . . uses 3 3/8" x 9" abrasive paper

For the body and paint shop specialists who wants high production speed with the precise touch of hand work. Gets right into corners and up against vertical panels. Spot sand even tiny areas effectively. Compact finger-grip housing and sensitive palm throttle permits perfect one-hand control of this 3 lb. tool even on vertical surfaces. All moving parts are balanced for smooth, vibration-free operation.



### # 791

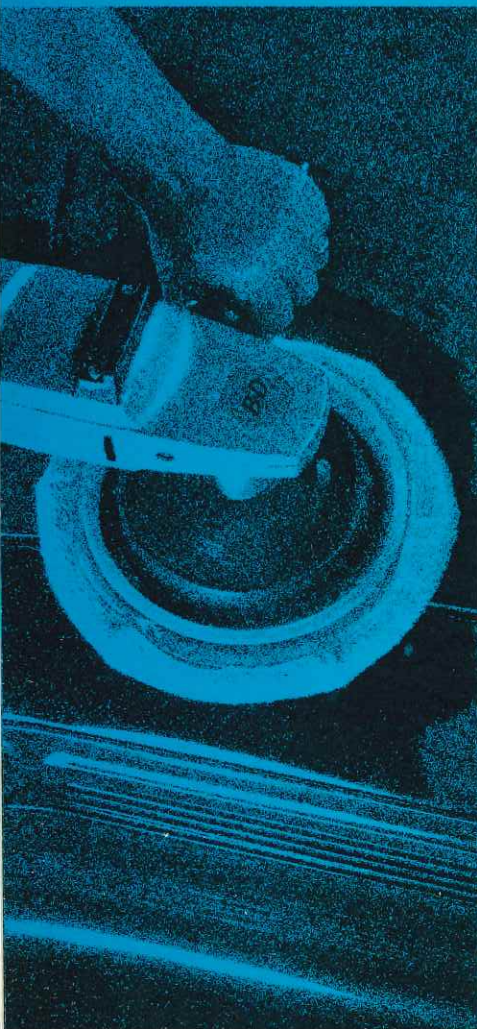
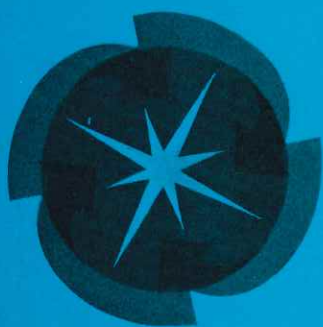
| SPECIFICATIONS                | # 790      | # 791       |
|-------------------------------|------------|-------------|
| Abrasive paper size           | 3" x 8"    | 3 3/8" x 9" |
| Sander Size                   |            |             |
| Length                        | 5 3/4"     | 7"          |
| Width                         | 3 3/16"    | 3 1/2"      |
| Height                        | 4"         | 3 3/8"      |
| Recommended air pressure      | 90 PSI     | 90 PSI      |
| Recommended minimum hose size | 1/4"       | 1/4"        |
| Hose connection               | 1/4" FPT   | 1/4" FPT    |
| Net weight                    | 2 3/4 lbs. | 2 7/8 lbs.  |
| Orbits per minute at 90 PSI   | 5400       | 5400        |

Air System Accessories . . . see page 5.

Air Tool Lubricants . . . see page 33.



**Black & Decker**  
**POLISHERS**  
**AND**  
**ACCESSORIES**



#99-4

**NEW**  
**#99-4 Two Speed**  
**Heavy Duty Polisher**

2300 RPM high . . . 1950 RPM low. New . . . the all-purpose polisher for the shop which must rely on inexperienced help. But also extremely popular with the professional operator looking for maximum production on the new acrylic type automotive lacquer finishes. Change speed anytime—just flick the switch—to suit the compound or polish you're using. An ideal tool for use with Black & Decker's new Random Orbit Buffer Attachment #63313. Heavy duty bearings, gears, switches and cord. Takes 7" and 9" rubbing pads and polishing bonnets.

**#99-1 Heavy Duty**  
**Polisher**



#99-1

Exceptional dependability and top performance proven over many years of heavy duty service have made this tool the largest selling polisher in the automotive trade. Its moving parts ride on heavy duty ball and roller bearings. Spiral bevel gears and splined shafts provide firm, smooth power flow from the 6.5 amp motor to the drive spindle. Specially designed to operate at a load speed ideal for highest profit, top quality production. Features convenient rocker switch, spindle lock and reversible side handle.

**#980 High Speed**  
**Polisher**



#980

This unit will give you best results on the acrylic-type lacquer finishes used on most late model cars. Powered by an 8.5 amp motor, you get the higher load speed needed for smoothing out uneven paint to a very hard gloss finish. Heavy duty bearings, gears and shafts assure long life even with maximum production use. Features convenient rocker switch, reversible side handle and spindle lock.

**Standard Equipment—All three models:**  
**#51824** Quick-change 7" backing pad  
**#50933** Clamp washer

| SPECIFICATIONS   | #99-4                | #99-1        | #980         |
|------------------|----------------------|--------------|--------------|
| Pad diameter     | 7"                   | 7"           | 7"           |
| Spindle          | 5/8"-11 thd.         | 5/8"-11 thd. | 5/8"-11 thd. |
| Voltage          | AC only              |              |              |
| Amperage at 115V | 7.5 high;<br>6.5 low | 6.5          | 8.5          |
| Length           | 18"                  | 15 5/8"      | 15 5/8"      |
| Net weight       | 10 3/4 lb.           | 10 3/4 lb.   | 10 3/4 lb.   |



#992

| SPECIFICATIONS   | #992         | #993         |
|------------------|--------------|--------------|
| Pad diameter     | 7"           |              |
| Spindle          | 7/8"-11 thd. | 5/8"-11 thd. |
| Voltage          | AC only      | AC only      |
| Amperage at 115V | 7.0          | 7.0          |
| Length           | 14"          | 14"          |
| Net weight       | 7 1/2 lb.    | 11 lb.       |



#993

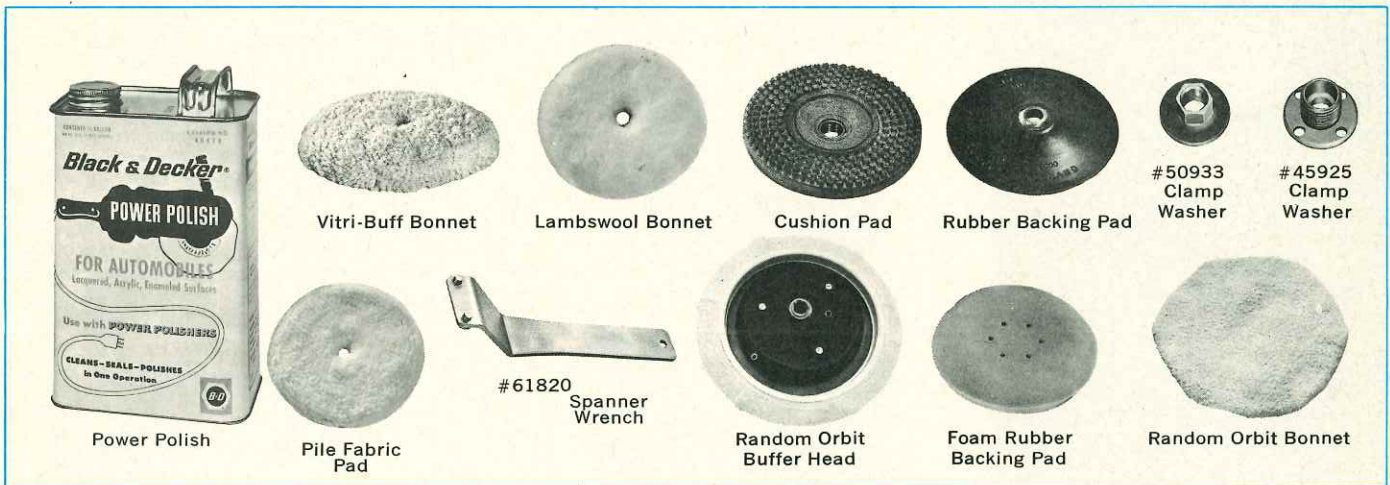
## #992 Polisher

Lowest priced professional quality polisher you can buy. Ball and roller bearings throughout assure smooth running performance. Helicon® gearing gives long, trouble-free service. Big 7 amp motor lets you bear down without overloading the motor; maintains proper load speed for best results. Compact design and light weight make this tool easy to maneuver across horizontal and vertical work surfaces and into tight areas. Outfitted with non-marring tool rests and convenient, reversible side handle.

**Standard Equipment:** #51824 Quick-change 7" backing pad  
#50933 Clamp washer

## #993 Random Orbit Buffer

No swirls, no streaks, no burns when you use this NEW Random Orbit Buffer/Polisher. Unique Random Orbit action never repeats a pattern. Lets you work in close to wiper blades and other delicate trim without fear of damaging it. Won't burn paint even when an inexperienced operator polishes over fender ridges. Body men like it because it lets them work fresh paint sooner. Car dealers like it because it saves time and materials while doing a beautiful job of restoring the finish on used cars. It cleans, it buffs, it polishes. Produces so little torque reaction, you can control this tool with one finger. Virtually impossible to overload the motor. A truly amazing new tool and a Black & Decker first! Standard equipment includes one washable #63829 random orbit buffing bonnet.



### #48428 Power Polish

Formulated for one-operation cleaning and polishing with power polishers. Leaves clean lustrous, sealed surface that stays hard and bright for months. Won't remove or harm live paint. 1/2 gallon.

### Vitri-Buff Bonnets and Pads

Gives a superior shine on all car finishes. Each tuft is twisted and locked to backing pad by patented construction method. Very resilient, stronger pile, more body. Outlasts other buffs many times over.

#45434 7 1/2" Vitri-Buff Pad.

#37796 7 1/2" Vitri-Buff Bonnet with hood and drawstring. Use with #51824 Quick-Change, Super Flexible Rubber Backing Pad.

#37797 9" Vitri-Buff Bonnet with hood and drawstring. Use with #36239 Cushion Pad.

### Lambswool Bonnets and Pads

Made of high quality lambswool skins. Economically priced.

#13086 7" Lambswool Polishing Pad. Use with #51824 Quick-Change Super Flexible Rubber Backing Pad.

#13087 7" Lambswool Polishing Bonnet with hood and drawstring. Use with #51824 Quick-Change Super Flexible Rubber Backing Pad.

#22176 9" Lambswool Polishing Bonnet with hood and drawstring. Use with #36239 Cushion Pad.

### Rubber Backing Pads

#50934 7" Quick-Change Flexible Backing Pad. Includes #50933 Clamp Washer; attaches same as #51824 Pad below.

#51824 7" Quick-Change Super Flexible Rubber Backing Pad with #50933 Clamp Washer. Washer is threaded inside; fits through hub of pad, and threads onto spindle of polisher. Standard equipment with #992, #99-4, #99-1 and #980 Polishers.

#36239 7" Cushion Pad with #45925 Clamp Washer. A superior cushioning pad for use with Vitri-Buff Bonnets. Threads directly on polisher spindle.

### Clamp Washers

#50933 Replacement Clamp Washer. Inside-threaded; fits through hub of #51824 and #50934 Quick-Change Flexible Backing Pads and threads onto spindle.

#45925 Replacement Clamp Washer. Outside-threaded. Use with #36239 Cushion Pad.

### Pile Fabric Rubbing Pad

For rubbing down "orange peel" in lacquer finishes, etc. Attaches directly to flexible pad of the polisher.

#36501 8" Pile Fabric Rubbing Pad.

### Spanner Wrench

#61820 Use for tightening Clamp Washers on Polisher Pads.

### #63313 Random Orbit Buffer Head

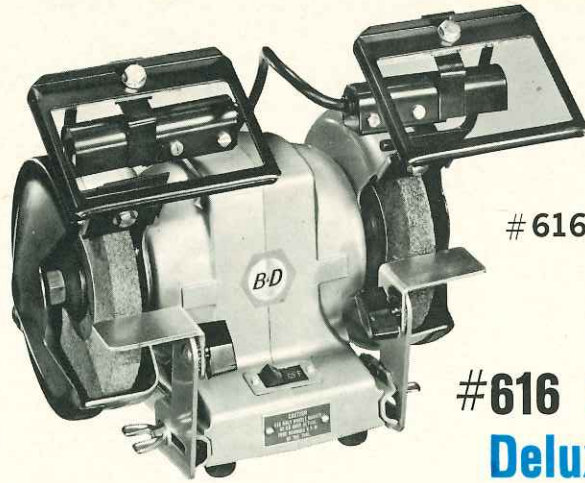
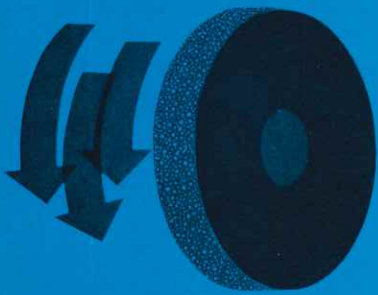
The Random Orbit Head assembly is available as a separate attachment, complete with one bonnet, as an accessory to fit any standard automotive polisher having a 7/8"-11 thread. Use it to convert your present polisher to a Random Orbit Buffer. We recommend you don't use this accessory on polishers with speeds over 3,000 RPM.

#63314 REPLACEMENT PAD—foam rubber backing pad for Random Orbit head.

#63829 BONNETS (pkg. of five). These extra-heavy terrycloth bonnets are made especially to give best professional polishing and buffing results with the Black & Decker Random Orbit Buffer. Very durable, reversible and washable.



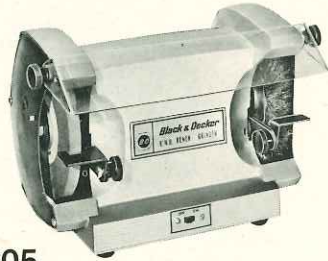
**Black & Decker**  
**BENCH GRINDERS**



# 616

**#616 6" Heavy Duty Deluxe Bench Grinder**

Illuminated eye shields give you maximum visibility while offering protection from dust and grit particles. Warning light tells operator when wheel is being overloaded. Equipped with two 3/4" grinding wheels; one coarse, one fine. Plus all the quality features of #614 below.



# 605

**#605 6" Bench Grinder**

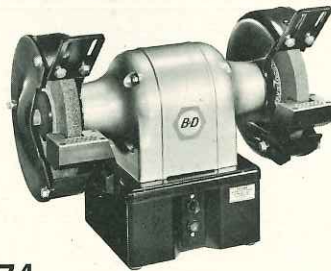
All ball bearing construction and 1/4 H.P. rating make this grinder an outstanding value. Features full width, wrap-around eye shield, adjustable tool rests, adjustable spark shield and rubber feet. Equipped with 1/2" grinding wheel and single section wire brush. Slide relay switch in base.



# 614

**#614 6" Heavy Duty Bench Grinder**

Bigger motor with 1/3 H.P. rating provides more power for all grinding, buffing and wire brushing jobs around the shop. Motor completely enclosed to keep out abrasive dust. Includes adjustable tool rests and four rubber feet. Equipped with 5/8" grinding wheel and 2-section wire brush. Can be bench mounted with two bolts included. Rocker-type relay switch. Heavy duty ball bearings.



# 74

**#74 8" Heavy Duty Bench Grinder**

Powered by 3/4 H.P. rated motor, this bench grinder is ideally suited for fleet and construction equipment repair shops. Completely enclosed motor keeps out abrasive dust. U-shaped adjustable tool rests give full support on three sides and are perforated to prevent accumulation of dust and metal. Will take standard 3-section wire wheel brushes. All ball bearings. Recessed 2-pole push button switch. Equipped with two 7/8" grinding wheels; one medium, one fine.

**MOTOR:** Single phase, 50/60 cycle, 115 V induction motor on all four bench grinders listed here.

**SPECIFICATIONS**

| Model No. | Motor Rating H.P. | Wheel Size                      | Amps at 115 V 60 Cycles | No-load RPM at 60 Cycles |
|-----------|-------------------|---------------------------------|-------------------------|--------------------------|
| 605       | 1/4               | 6" dia., 1/2" face<br>1/2" hole | 5.1                     | 3600                     |
| 614       | 1/3               | 6" dia., 5/8" face<br>1/2" hole | 4.4                     | 3600                     |
| 616       | 1/3               | 6" dia., 3/4" face<br>1/2" hole | 4.4                     | 3600                     |
| 74        | 3/4               | 8" dia., 7/8" face<br>5/8" hole | 9.75                    | 3600                     |



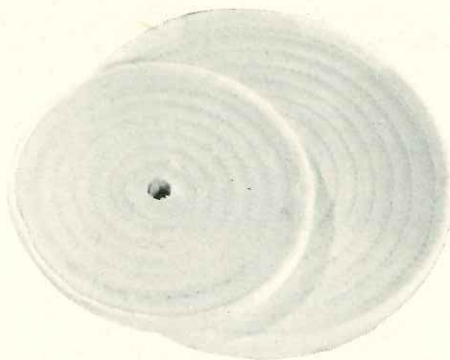
## Grinding Wheels for Bench Grinders

These grinding wheels are manufactured to Black & Decker's highest quality specifications for longer wheel life and faster, cleaner cutting on any type material. Grinding wheels are available in 6" and 8" diameters, for all types of grinding, cutting, cleaning and polishing applications.

### GRINDING WHEEL DESCRIPTION

| Catalog Number | Wheel Diameter | Wheel Width | Center Hole Diameter | Wheel Grit Application |
|----------------|----------------|-------------|----------------------|------------------------|
| 39022          | 6"             | 5/8"        | 1/2"                 | Finishing              |
| 39023          | 6"             | 5/8"        | 1/2"                 | Roughing               |
| 15314          | 6"             | 3/4"        | 1/2"                 | Finishing              |
| 15315          | 6"             | 3/4"        | 1/2"                 | Roughing               |
| 18061          | 8"             | 7/8"        | 5/8"                 | Roughing               |
| 18062          | 8"             | 7/8"        | 5/8"                 | Finishing              |

For 3" grinding wheel for use on drills, see page 14 of this Catalog.



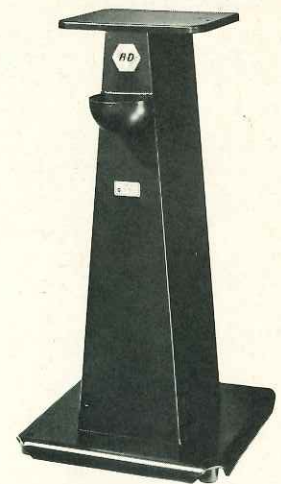
## Cotton Buffs

Cotton buffs can be used on bench grinders for general purpose buffing, polishing, coloring, cutting and finishing applications. Buffs are available in 6" and 8" diameters.

### COTTON BUFF DESCRIPTION

| Catalog Number | Buff Diameter | Buff Width | Center Hole Diameter |
|----------------|---------------|------------|----------------------|
| 39016          | 6"            | 5/8"       | 1/2"                 |
| 26872          | 8"            | 5/8"       | 5/8"                 |

For 3" cotton buff for use on drills, see page 14 of this Catalog.



## #53536 Bench Grinder Pedestal

Convenient height. Detachable water pot. Use with all B&D Grinders. Height: 31 1/2"; Base 16" sq.



## Shatter-Proof Eye-Shields

(not illuminated)

For all Black & Decker Bench Grinders. Shields are bolted to wheel guards through holes already positioned on bench grinders. Brackets are quickly adjustable to suit operator.

**No. 34575** One 3 1/4" x 5 1/4" Eye-Shield. Includes glass, brackets, bolts.

**No. 34576** One 3 1/4" x 5 1/4" Replacement Shatter-proof glass.

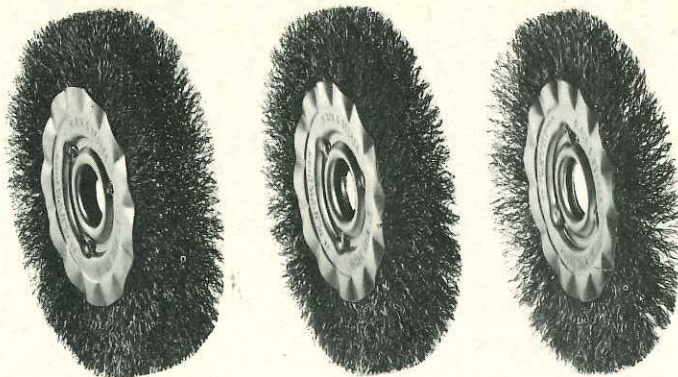


## Grinding Wheel Dresser

**#19115** Cutter-Type Grinding Wheel Dresser (with spare cutter set). Used for truing and cleaning grinding wheels. Keeps the grinding wheel clean for faster grinding and better finishes.

**#19983** Replacement Cutter Set for #19115 Wheel Dresser.

## Whirlwind® Wire Wheel Brushes for Bench Grinders



3 Section

2 Section

1 Section

ALL WHIRLWIND® Wire Wheel Brushes are made by Black & Decker to insure you of the highest standards of quality and performance. These brushes can be used on bench grinders and practically all other types of grinding, buffing or cleaning machines.

Wire Wheel Brushes may be used for any type of cleaning and buffing job: removing rust, scale and old paint; general cleaning and burnishing; and even buffing applications on some types of metal finishes. Wire Wheel Brushes are available in 4", 6" and 8" diameters.

Check these Black & Decker quality features:

**Long Life:** only the highest quality, toughest crimped steel wire is used, precisely locked in place; this gives you a brush that has longer wearing qualities, even on high-speed operations.

**Well Balanced:** each brush is precision balanced and will run true and even; brush wires are distributed evenly throughout the body of the brush.

**Continuous-Strand Construction:** each wire tuft is locked independently, hence a more dense and even brushing surface; there is less danger of loose wire.

|   | Catalog Number | Brush Diameter | Number of Sections | Brush Width |         | Arbor Hole Adapter Size | Maximum Safe Speed R.P.M. |      |      |
|---|----------------|----------------|--------------------|-------------|---------|-------------------------|---------------------------|------|------|
|   |                |                |                    | Hub         | Face    |                         |                           |      |      |
| <b>COARSE WIRE WHEEL BRUSHES</b><br>For Rough General Purpose Cleaning  | 39009          | 4"             | 1                  | 7/16"       | 5/8"    | 1/2"                    | 4500                      |      |      |
|   | 23201          |                | 2                  | 1 1/16"     | 7/8"    |                         |                           |      |      |
|   | 21397          |                | 3                  | 1"          | 1 1/8"  |                         |                           |      |      |
|   |                | 39011          | 6"                 | 1           | 7/16"   | 3/4"                    | 1/2"                      | 3750 |      |
|   |                | 39012          |                    | 2           | 1 1/16" | 1"                      |                           |      |      |
|   |                | 21401          |                    | 3           | 1"      | 1 3/8"                  |                           |      |      |
|   |                |                | 23206              | 8"          | 1       | 7/16"                   | 7/8"                      | 5/8" | 3600 |
|   |                |                | 23207              |             | 2       | 1 1/16"                 | 1 1/8"                    |      |      |
|   |                |                | 21405              |             | 3       | 1"                      | 1 1/2"                    |      |      |
| <b>MEDIUM WIRE WHEEL BRUSHES</b><br>For High-Speed Buffing Applications | 27000          | 4"             | 1                  | 7/16"       | 5/8"    | 1/2"                    | 4500                      |      |      |
|   | 27001          |                | 2                  | 1 1/16"     | 7/8"    |                         |                           |      |      |
|   | 27002          |                | 3                  | 1"          | 1 1/8"  |                         |                           |      |      |
|   |                | 27003          | 6"                 | 1           | 7/16"   | 3/4"                    | 1/2"                      | 3750 |      |
|   |                | 27004          |                    | 2           | 1 1/16" | 1"                      |                           |      |      |
|   |                | 27005          |                    | 3           | 1"      | 1 3/8"                  |                           |      |      |
|   |                | 27009          | 8"                 | 1           | 7/16"   | 7/8"                    | 5/8"                      | 3600 |      |
|   |                | 27010          |                    | 2           | 1 1/16" | 1 1/8"                  |                           |      |      |
|   |                | 27011          |                    | 3           | 1"      | 1 1/2"                  |                           |      |      |
| <b>FINE WIRE WHEEL BRUSHES</b><br>For Fine Finishing and Burnishing     | 39008          | 4"             | 1                  | 7/16"       | 5/8"    | 1/2"                    | 4500                      |      |      |
|   | 23209          |                | 2                  | 1 1/16"     | 7/8"    |                         |                           |      |      |
|   | 23210          |                | 3                  | 1"          | 1 1/8"  |                         |                           |      |      |
|   |                | 39010          | 6"                 | 1           | 7/16"   | 3/4"                    | 1/2"                      | 3750 |      |
|   |                | 23212          |                    | 2           | 1 1/16" | 1"                      |                           |      |      |
|   |                | 23213          |                    | 3           | 1"      | 1 3/8"                  |                           |      |      |
|   |                | 23217          | 8"                 | 1           | 7/16"   | 7/8"                    | 5/8"                      | 3600 |      |
|   |                | 23218          |                    | 2           | 1 1/16" | 1 1/8"                  |                           |      |      |
|   |                | 23219          |                    | 3           | 1"      | 1 1/2"                  |                           |      |      |

All of the 4" 1 or 2 section brushes listed above may be used with drills with the #39026 Wheel Arbor. See page 14 of this Catalog.



### Arbor Hole Adapters

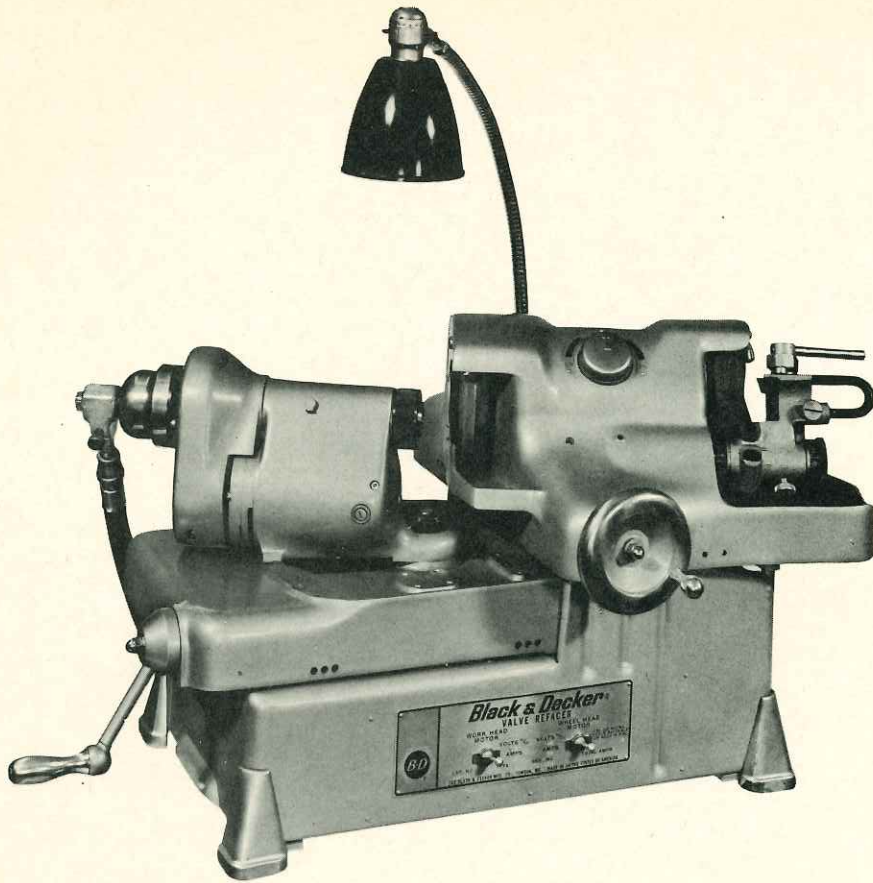
All Wire Wheel Brushes are equipped with washer-type adapters. Each brush includes two adapters of the size shown in the tables. Other sizes, shown below, are available to adapt brushes to various size bench grinder wheel spindles.

**For 6" Wire Wheel Brushes**  
Built-in arbor hole plates have 1" holes. The following arbor hole adapters are available (same adapters fit 1, 2, or 3 section brushes).

| Catalog Number | Hole Size |
|----------------|-----------|
| 14080          | 1/2"      |
| 14081          | 5/8"      |

**For 8" Wire Wheel Brushes**  
Built-in arbor hole plates have 2" holes. The following arbor hole adapters are available (same adapters fit 1, 2, 3, or 4 section brushes).

| Catalog Number | Hole Size |
|----------------|-----------|
| 14070          | 3/4"      |
| 14072          | 1"        |



## VALVE REFACTORS

Black & Decker Valve Refacers are precision-built for fast, efficient operation with pin-point accuracy and long, trouble-free service. You can grind valves with valve heads up to 4" in diameter and with valve stems ranging from  $\frac{1}{32}$ " to  $\frac{3}{4}$ " in diameter. You can recondition engines of foreign and domestic passenger cars, buses, trucks, motorcycles, farm equipment and off-highway vehicles. You can regrind valves from diesel engines, marine engines, LP Gas engines, construction equipment engines and small gasoline engines. You'll find the following quality features on every Black & Decker Valve Refacer:

- Two B & D universal motors to independently drive the valve collet and grinding wheel for dependable, smooth power.
- Easy to adjust traverse for accurate grinding 0° to 90°.
- Belt-driven valve collet eliminates valve face "chatter."
- Grinding oil can be directed to either valve head grind wheel or valve stem grinding wheel.
- Removable gallon drawer—tank with baffle plates keeps grinding oil clean, makes oil changing easy.
- Adjustable lamp spotlights work area.
- Quick-acting collet clamps valve stems firmly in position.
- Adjustable end stop enables you to position every valve of a set at the exact same depth in the collet.

# 282 VALVE REFACTOR with hand-tightening chuck.

# 550 DELUXE VALVE REFACTOR with hand-tightening chuck and valve stem/rocker arm grinding attachment.

# 626 SUPER SERVICE VALVE REFACTOR with super speed air tightening chuck and valve stem/rocker arm grinding attachment.

**Standard Equipment** ... all three models:

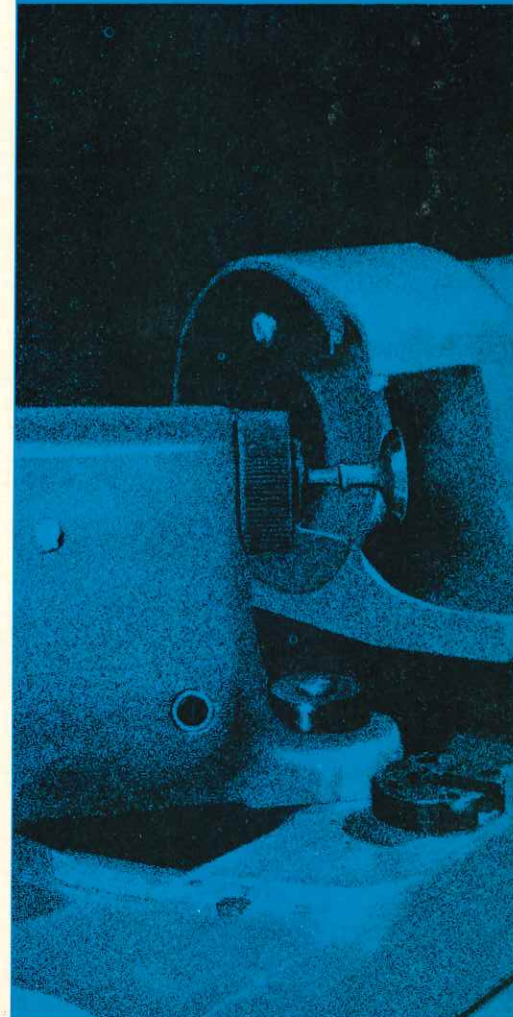
- # 5574 Diamond nib
- # 34131 5" grinding wheel
- # 20939 4" cup-type grinding wheel
- # 34253 Gallon can grinding oil

### SPECIFICATIONS

|                  |                                      |
|------------------|--------------------------------------|
| Collet size      | $\frac{9}{32}$ " to $\frac{1}{16}$ " |
| Amperage at 115V |                                      |
| Collet Motor     | 1.5                                  |
| Wheel Motor      | 7.5                                  |



**Black & Decker**  
**ENGINE**  
**RECONDITIONING**  
**EQUIPMENT**







#57646



#49496

**#57646 Heavy-Duty Valve Seat Stone Dressing Stand**

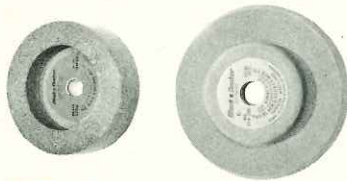
A sturdy, high-precision Dressing Stand for dressing up to 6" Vibro-Centric® Valve Seat Stones, designed for the shop that does a large volume of engine reconditioning. Use with either ball bearing or sleeve bearing stone sleeves. Features one-piece cast base and column; top-reading calibrations 0° to 90° with commonly used angles clearly marked; spring-actuated dressing arm with take-up adjustment to eliminate play; and micrometer diamond feed adjustment and lock for smooth, uniform finish on stones.

**#49496 Valve Seat Stone Dressing Stand**

A lighter weight stand that produces excellent results in average use. Accurately cleans and dresses stones of all sizes and angles up to 3¼" diameter. Graduated 0° to 90° with special markings for commonly used angles; spring-loaded quick-clamp levers for fast, accurate adjustment; micrometer diamond feed.

**Replacement and Special Equipment for Dressing Stands**

- #49386 Diamond Nib for #49496 and #57646 Dressing Stands.
- #31662 Diamond Nib for discontinued #31672 Dressing Stand.
- #31670 Mandrel for #57646 Heavy-Duty Stand, and discontinued #31672 H.D. Dressing Stand.
- #20157 Diamond Nib for discontinued #20153 Dressing Stand.
- #53552 Mandrel for #49496 Dressing Stand, and discontinued #20153 Dressing Stands.



**Valve Grinding Wheels**

**For B & D Models A, C, B, through LW, M, MW, N, NW, NWA, NWB**

#33056\* 4" Ruby-Tone Grinding Wheel, Grade 80M8V. For general purpose fine-finish grinding on all valves.

**For B & D Models P, PC, RCB, T, TD**

#34131 5" Ruby-Tone Grinding Wheel, Grade 801L8V. For general purpose fine-finish grinding on all valves.

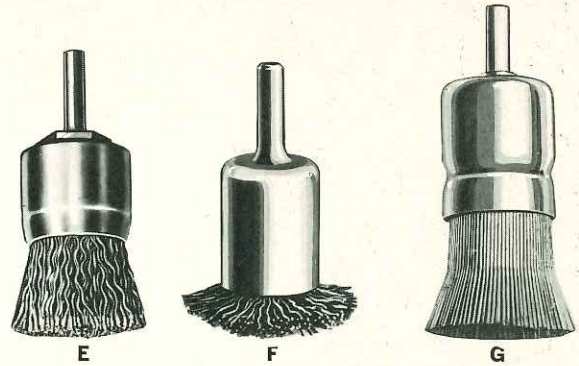
**For all Valve Stem-Rocker Arm Attachments**

#20939 4" Ruby-Tone Cup-Type Grinding Wheel, Grade 46K5V.

\*May be used to replace Sioux #78A & #78E; and Thor #73535 & 73534.

**Lubricant, Cabinet, Diamond Nib**

- #34253 Gallon can of Grinding Oil for all wet Valve Refacers.
- #5574 Diamond Nib for dressing Refacer Wheels.
- #31363 Super-Service Valve Shop Cabinet.



**Carbon Removing Brushes**

Use these tempered steel wire brushes with ¼" drills to remove carbon from cylinder heads, tops of pistons, valve ports, etc., leaving a burnished finish.

**For Cast Iron—**

- #21416 Heavy-duty solid wire-filled brush (E)
- #21417 Side flare brush for close corner work (F)
- #21418 Small brush for cleaning valve guide ports
- #21419 Hollow core, flare-bottom brush (G)

**For Aluminum—**

- #53543 ¾" diameter carbon-removing brush (.005" wire) (E)
- #53544 ¾" diameter carbon removing brush (.0219" wire) (E)
- #53545 1" diameter carbon removing brush (.0129" wire) (E)

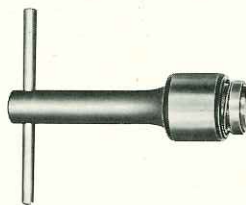
A Bench Grinder is recommended for removing carbon from valve prior to grinding. See page 24 for wire wheels available for this purpose.



**Nylon Valve Guide Cleaners**

These tough, quick-cleaning DuPont "TYNEX" Nylon brushes do a superlative job in cleaning valve guides. They clean better, last longer and won't scratch the valve guide surface. They operate at high speed with minimum power. Oil grooves in valve guides are cleaned perfectly. 3½" brushing length speeds the job.

- #37557 for ¼" guides
- #37558 for ⅜" guides
- #37559 for ½" guides
- #37560 for ⅝" guides
- #37561 for ¾" guides
- #37562 for 1" to 1½" guides



**#19829 Pilot Turning Wrench**

Quickly and safely removes or inserts Self-Centering or other pilots. Equipped with chuck that quickly grasps or releases pilot shank.



**Automotive Stone Sleeves**

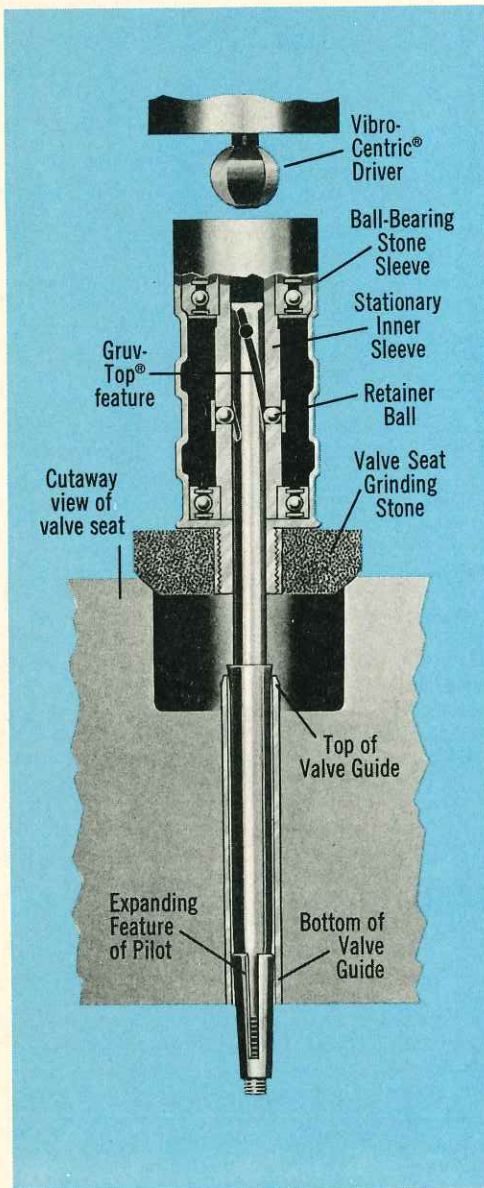
Black & Decker Automotive Sleeves fit over Self-Centering Pilots and hold the stone in correct alignment with the pilot. Upper end of the sleeve is a hexagon socket which forms a universal joint with the Driver spindle. Bottom end is threaded to hold seat grinding stone.

#27200 Ball-Bearing Stone Sleeve. Designed to minimize wear, preserve accuracy and give longer service. Has retainer ball for Gruv-Top® Pilots. Hex socket at top receives B&D Driver.

#22100 Standard Stone Sleeve. Long Bronze bushing accurately reamed to fit Pilot. Has hex socket.

#23652 Short Stone Sleeve for increased clearance on hard-to-reach seats. Overall length, 2¾". Use with Dressing Stand #49496 with #53552 Mandrel. Has hex socket.

## GRUV-TOP PILOTS



## GRUV-TOP® Automotive Expanding Sleeve Self-Centering PILOTS

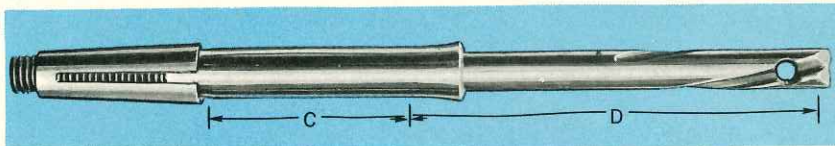
See Form 61094-02 for Engine Specifications & Proper Pilots

GRUV-TOP® Self-Centering Pilots provide an accurate, rigid axis for grinding with Vibro-Centric® Stones. They include two machined tapers—at the top of the shank, to fit the top of the valve guide, and at the bottom, to expand a split sleeve in the lower end of the guide. The expanding feature compensates for worn guides and eliminates a large stock of oversize pilots, as Self-Centering Pilots expand .020" to .030".

The patented GRUV-TOP® feature locks the retainer ball in #27200 Ball-bearing Stone Sleeve, holding the inner sleeve stationary and preventing friction and wear between sleeve and pilot stem. These Pilots also fit other Stone Sleeves listed on page 27.

| Nominal Size | Range   |        | Pilot Cat. No. | Dimensions       |          |
|--------------|---------|--------|----------------|------------------|----------|
|              | Min.    | Max.   |                | C                | D        |
| 7/32"        | .198"   | .245"  | 63622          | 23/32"           | 37/32"   |
| 1/4"         | .232"   | .263"  | 14423          | 13/16"           | 3 1/4"   |
|              | .232"   | .263"  | 25245          | 13/16"           | 3 3/8"   |
|              | .232"   | .262"  | 36900          | 5/8"             | 3 3/8"   |
| 17/64"       | .261"   | .312"  | 14424          | 1 3/8"           | 2 27/32" |
|              | .261"   | .293"  | 45561          | 1 3/8"           | 3 21/32" |
| 9/32"        | .276"   | .327"  | 15792          | 1 1/32"          | 4 1/32"  |
|              | .276"   | .317"  | 25213          | 31/32"           | 3 29/32" |
|              | .276"   | .343"  | 36891          | 1 1/16"          | 3 3/8"   |
| 5/16"        | .307"   | .374"  | 14425          | 1 11/32"         | 3 13/16" |
|              | .307"   | .374"  | 18608          | 1 11/32"         | 3 5/16"  |
|              | .306"   | .374"  | 21300          | 1 11/32"         | 3 13/16" |
| 11/32"       | .338"   | .374"  | 14426          | 1 45/64"         | 3 11/16" |
|              | .338"   | .374"  | 16199          | 1 13/64"         | 3 11/16" |
|              | .338"   | .352"  | 23633          | 1 11/32"         | 4 7/64"  |
|              | .338"   | .374"  | 24310          | 1 15/16"         | 3 3/8"   |
|              | .338"   | .374"  | 24319          | 1 45/64"         | 4 11/16" |
|              | .338"   | .374"  | 26528          | 2 45/64"         | 4 5/16"  |
| 3/8"         | .369"   | .398"  | 26818          | 1 17/32"         | 4 1/8"   |
|              | .369"   | .398"  | 14427          | 1 45/64"         | 3 9/16"  |
|              | .369"   | .398"  | 16204          | 1 45/64"         | 4 13/16" |
|              | .369"   | .398"  | 17345          | 2 15/32"         | 4 1/16"  |
|              | .369"   | .398"  | 20667          | 2 7/32"          | 3 5/16"  |
|              | .369"   | .384"  | 21304          | 1 45/64"         | 3 11/16" |
| 25/64"       | .369"   | .398"  | 32061          | 1 11/16"         | 4 1/16"  |
|              | .385"   | .406"  | 17001          | 2 1/64"          | 3 1/4"   |
|              | .391"   | .413"  | 25206          | 2 5/64"          | 3 13/16" |
| 13/32"       | .400"   | .436"  | 14428          | 2 9/64"          | 3 9/64"  |
|              | .400"   | .429"  | 16826          | 2 9/64"          | 4 9/16"  |
| 27/64"       | .416"   | .437"  | 16206          | 1 25/64"         | 3 9/16"  |
|              | .431"   | .459"  | 14429          | 2 33/64"         | 3 1/4"   |
| 7/16"        | .431"   | .459"  | 15179          | 2 33/64"         | 4 3/8"   |
|              | .431"   | .459"  | 15743          | 2 33/64"         | 5 1/8"   |
|              | .431"   | .459"  | 16784          | 2 29/64"         | 3 1/2"   |
|              | .431"   | .459"  | 23337          | 1 29/32"         | 4 1/2"   |
|              | .431"   | .459"  | 24343          | 1 33/64"         | 3 3/2"   |
|              | .431"   | .451"  | 24343          | 2 33/64"         | 3 1/2"   |
| 15/32"       | .462"   | .498"  | 14430          | 2 17/64"         | 3 3/4"   |
|              | .494"   | .539"  | 14431          | 2 11/32"         | 3 31/32" |
| 1/2"         | .494"   | .539"  | 17643          | 1 27/32"         | 3 13/32" |
|              | .494"   | .539"  | 23605          | 2 11/32"         | 5 27/32" |
|              | .494"   | .531"  | 24345          | 2 11/32"         | 3 31/32" |
| 17/32"       | .494"   | .539"  | 25225          | 2 19/32"         | 4 19/32" |
|              | .525"   | .570"  | 27108          | 2 17/32"         | 4 3/32"  |
|              | .556"   | .601"  | 14432          | 2 11/32"         | 3 23/32" |
| 9/16"        | .556"   | .601"  | 15656          | 2 11/32"         | 5 11/32" |
|              | .556"   | .601"  | 23522          | 3 27/32"         | 4 7/32"  |
|              | .556"   | .570"  | 25198          | 3 33/32"         | 4 11/32" |
|              | .556"   | .571"  | 45227          | 3 11/32"         | 5 21/32" |
| 5/8"         | .619"   | .664"  | 14433          | 2 5/16"          | 3 31/32" |
|              | .619"   | .664"  | 21062          | 3 13/16"         | 5 23/32" |
|              | .619"   | .664"  | 23578          | 3 5/16"          | 5 7/32"  |
|              | .619"   | .664"  | 23939          | 3 13/16"         | 3 31/32" |
|              | .619"   | .664"  | 25235          | 5 11/16"         | 4 27/32" |
| 11/16"       | .681"   | .727"  | 24446          | 4 5/16"          | 5 9/32"  |
|              | .681"   | .727"  | 25325          | 4 5/16"          | 6 1/32"  |
|              | .681"   | .726"  | 26327          | 3 3/16"          | 4 7/32"  |
| 3/4"         | .744"   | .789"  | 27110          | 7 13/16"         | 6 7/32"  |
|              | .744"   | .789"  | 38724          | 4 5/16"          | 4 19/32" |
| 13/16"       | .808"   | .853"  | 38043          | 6 1/16"          | 6 9/32"  |
|              | .869"   | .914"  | 25160          | 5 5/16"          | 7 3/32"  |
| 7/8"         | .869"   | .914"  | 25228          | 4 1/16"          | 6 3/32"  |
|              | .869"   | .914"  | 25228          | 4 1/16"          | 6 3/32"  |
| Plug Type    | 1.0278" | 1.033" | 14155          | Special—Ford V-8 |          |

NOTE: To determine correct pilot refer to B & D Valve Seat Stone & Pilot Handbook, form 61094-02.

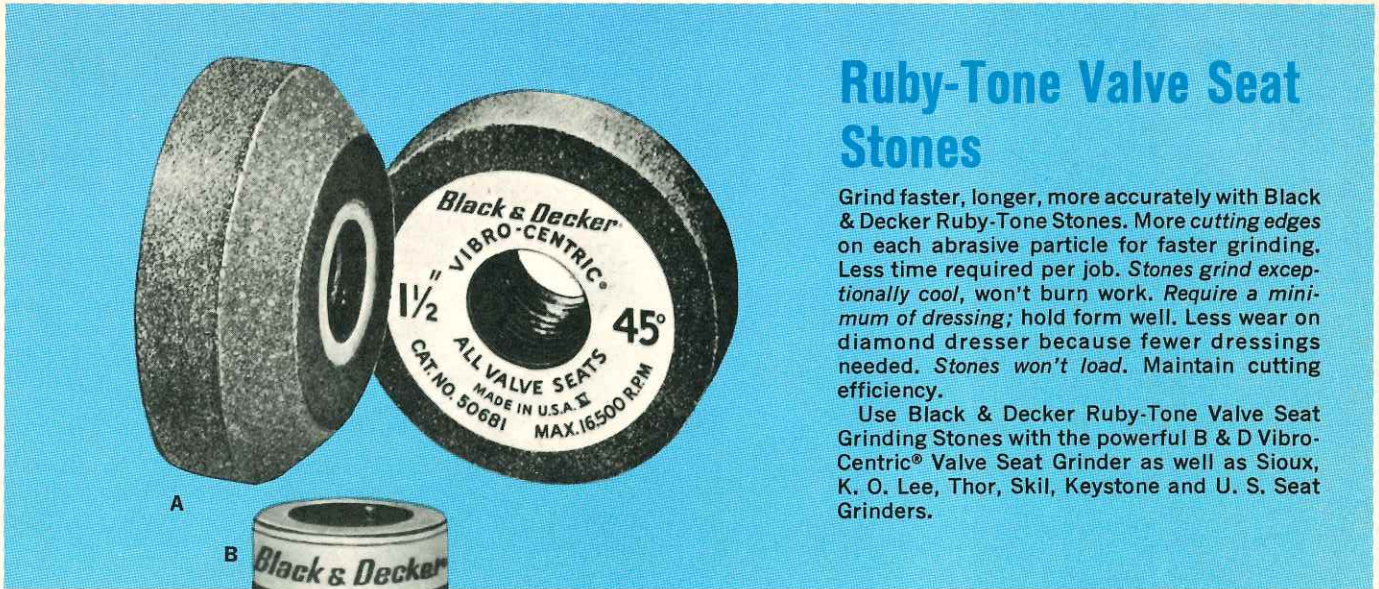


"C" Dimension is from end of sleeve, when screwed to end of pilot, to bottom of upper taper.

"D" Dimension is from bottom of upper taper to end of pilot.

### TO SELECT CORRECT PILOT FROM CHART

- Measure guide inside diameter to determine nominal pilot size.
- Measure guide length.
  - Minimum pilot length equals guide length divided by two plus 1/4".
  - Maximum pilot length equals guide length minus 1/8".
  - Select pilot with C dimension from chart making sure it falls between the minimum and maximum dimensions.
- Measure distance from top of guide to the top of valve seat.
  - Minimum D dimension equals measured distance from top of guide to top of seat plus 2 1/16".
  - Maximum D dimension equals measured distance from top of guide to top of seat plus 2 1/4".
  - Select pilot with D dimension from chart making sure it falls between the minimum and maximum dimensions above.
  - In the event a pilot with a D dimension between the minimum and maximum above is not available, subtract 1" from this minimum and maximum. If a pilot is now listed between this new minimum and maximum it must be used with catalog # 23652 short stone sleeve.



## Ruby-Tone Valve Seat Stones

Grind faster, longer, more accurately with Black & Decker Ruby-Tone Stones. More cutting edges on each abrasive particle for faster grinding. Less time required per job. Stones grind exceptionally cool, won't burn work. Require a minimum of dressing; hold form well. Less wear on diamond dresser because fewer dressings needed. Stones won't load. Maintain cutting efficiency.

Use Black & Decker Ruby-Tone Valve Seat Grinding Stones with the powerful B & D Vibro-Centric® Valve Seat Grinder as well as Sioux, K. O. Lee, Thor, Skil, Keystone and U. S. Seat Grinders.

(A.)—Standard stones: all sizes from 1 3/8" dia. to 4 1/2" dia.  
(B.)—Long style stones: all sizes from 7/8" dia. to 1 3/8" dia.



## #52089 Ruby-Tone Vibro Stone Assortment

Contains a handy assortment of 12 Ruby-Tone Vibro-Centric® Valve Seat Grinding Stones. A place for each stone keeps everything neat and orderly for quick selection.

| No.   | Size       | No.   | Size       |
|-------|------------|-------|------------|
| 50661 | 1 1/2" 30° | 50681 | 1 1/2" 45° |
| 50662 | 1 3/8" 30° | 50682 | 1 3/8" 45° |
| 50663 | 1 3/4" 30° | 50683 | 1 3/4" 45° |
| 50664 | 1 7/8" 30° | 50684 | 1 7/8" 45° |
| 50665 | 2" 30°     | 50685 | 2" 45°     |
| 50666 | 2 1/8" 30° | 50686 | 2 1/8" 45° |

### General Purpose Stones

For grinding CAST IRON and STEEL valve seats. One stone does complete grinding and finishing job.

For B & D and K. O. Lee drivers — 9/16"-16 threaded Inserts

| Diameter | 45°    | 30°    | 15°    |
|----------|--------|--------|--------|
| 7/8"     | 50675* | —      | 50637* |
| 1 1/16"  | 50675  | —      | 50637  |
| 1"       | 50676  | —      | 50638* |
| 1 1/16"  | 50677* | —      | 50638* |
| 1 1/8"   | 50677  | 50658  | 50638  |
| 1 3/16"  | 54054* | —      | 60724* |
| 1 1/4"   | 54054  | 54078  | 60724* |
| 1 3/8"   | —      | —      | 60724  |
| 1 3/8"   | 50680  | 50660  | 50642  |
| 1 1/2"   | 50681  | 50661  | 50643  |
| 1 5/8"   | 50682  | 50662  | 50644  |
| 1 3/4"   | 50683  | 50663  | 50645  |
| 1 7/8"   | 50684  | 50664  | 50646  |
| 2"       | 50685  | 50665  | 50647  |
| 2 1/8"   | 50686  | 50666  | 50648  |
| 2 1/4"   | 50687  | 50667  | 50649  |
| 2 3/8"   | 50688  | 50668  | 50650  |
| 2 1/2"   | 50689  | 50669  | 50651  |
| 2 5/8"   | 50690  | 50670* | 50652* |
| 2 3/4"   | 50691  | 50670  | 50652  |
| 2 7/8"   | 50692* | 50671* | 50653* |
| 3"       | 50692  | 50671  | 50653  |
| 3 1/8"   | 50693* | 50672  | 50654* |
| 3 1/4"   | 50693  | —      | 50654  |
| 3 3/8"   | 50694* | 50673* | 50655  |
| 3 1/2"   | 50694  | 50673  | 50656* |
| 3 5/8"   | 50695* | —      | 50656* |
| 3 3/4"   | 50695  | —      | 50657* |
| 3 7/8"   | 50696* | 50674* | 50657  |
| 4"       | 50696  | 50674  | 51598* |
| 4 1/8"   | —      | —      | 51598  |

\*Use this number stone and dress to diameter desired.

For Sioux, Thor, Skil, Keystone and U. S. drivers — 1 1/16"-16 threaded Inserts

| Diameter | 45°   | 30°   | 15°    |
|----------|-------|-------|--------|
| 1 1/2"   | 54269 | 54258 | 54258* |
| 1 3/8"   | 54270 | 54259 | 54259* |
| 1 3/4"   | 54271 | 54260 | 54260* |
| 1 7/8"   | 54272 | 54261 | 54261* |
| 2"       | 54273 | 54262 | 54262* |
| 2 1/8"   | 54274 | 54263 | 54263* |
| 2 1/4"   | 54275 | 54264 | 54264* |

\*Use this number stone and dress to diameter desired.

### Special Production-Type Stones

Stones have a coarser grit for faster cutting on STELLITE valve seats. Use General-Purpose Stones for finish grinding.

For B & D and K. O. Lee drivers — 9/16"-16 threaded Inserts

| Diameter | 45°    | 30°    |
|----------|--------|--------|
| 1"       | 60710* | —      |
| 1 1/8"   | 60710* | —      |
| 1 1/4"   | 60710* | 60709* |
| 1 3/8"   | 60710  | 60709  |
| 1 3/4"   | 60716  | 60711  |
| 1 1/2"   | 57042* | 57036* |
| 1 5/8"   | 57042  | 57036  |
| 1 3/4"   | 57043* | 57037* |
| 1 7/8"   | 57043  | 57037  |
| 2"       | 57044* | 57038* |
| 2 1/8"   | 57044  | 57038  |
| 2 1/4"   | 57045* | 57039* |
| 2 3/8"   | 57045  | 57039  |
| 2 1/2"   | 57046* | 57040* |
| 2 5/8"   | 57046  | 57040  |
| 2 3/4"   | 57047* | 57041* |
| 2 7/8"   | 57047  | 57041  |
| 3"       | 60717* | 60712* |
| 3 1/8"   | 60717  | 60712  |
| 3 1/4"   | 60718* | 60713* |
| 3 3/8"   | 60718  | 60713  |
| 3 1/2"   | 60719* | 60714* |
| 3 5/8"   | 60719  | 60714  |
| 3 3/4"   | 60720* | 60715* |
| 3 7/8"   | 60720  | 60715  |
| 4"       | —      | 60721* |
| 4 1/8"   | —      | 60721  |

\*Use this number stone and dress to diameter or 15° angle.

### Special Angle Stones

For B & D and K. O. Lee drivers — 9/16"-16 threaded Inserts

| Size    | Angle | Number |
|---------|-------|--------|
| 1 1/16" | 70°   | 50697  |
| 2 1/16" | 70°   | 50698  |
| 2 1/4"  | 70°   | 50699  |
| 2 3/8"  | 70°   | 50700  |
| 2 1/2"  | 90°   | 50701  |

NOTE: To determine correct stone refer to B & D Valve Seat Stone & Pilot Handbook, form 61094-02.



**Black & Decker**  
**VACUUM CLEANERS**



# 77-8A



# 33-8A



# 26-1A



**#77-8A Super Duty Vacuum Cleaner**

A powerful by-pass motor lets you pick up both wet or dry material . . . even pick up scrub water from floors with special squeegee floor accessory. This unit is ideal for cleaning out truck cabs and trailers in fleet shops. Its big 2¼ HP motor will pull glass chips from shattered windshields out of carpet and upholstery. Perfect for fast pick-up of fine dust around body shops. Compact design gives maximum mobility in narrow places. Weatherproof. Splashproof. Extra-long brush life.

- Standard Equipment: Models 77-8A, 33-8A**  
 # 49149 10' crush-proof plastic hose  
 # 59786 20" metal wand  
 # 59784 6" nozzle with brush strip  
 # 51112 Cloth dust bag  
 # 49521 One paper dust filter

**#33-8A Heavy Duty Vacuum Cleaner**

Here is a large capacity cleaner especially well suited for cleaning out car interiors and for general dry or damp pick-up around the office, shop or washrooms. Convenient handle, large rear wheels and swivel front wheel give it easy mobility even across rough pavement or over stray air and water hoses. This quality unit has an all steel tank and is completely weatherproof and splashproof. Its rubber-mounted, ball bearing motor has longer brush life than any other automotive vacuum cleaner on the market.

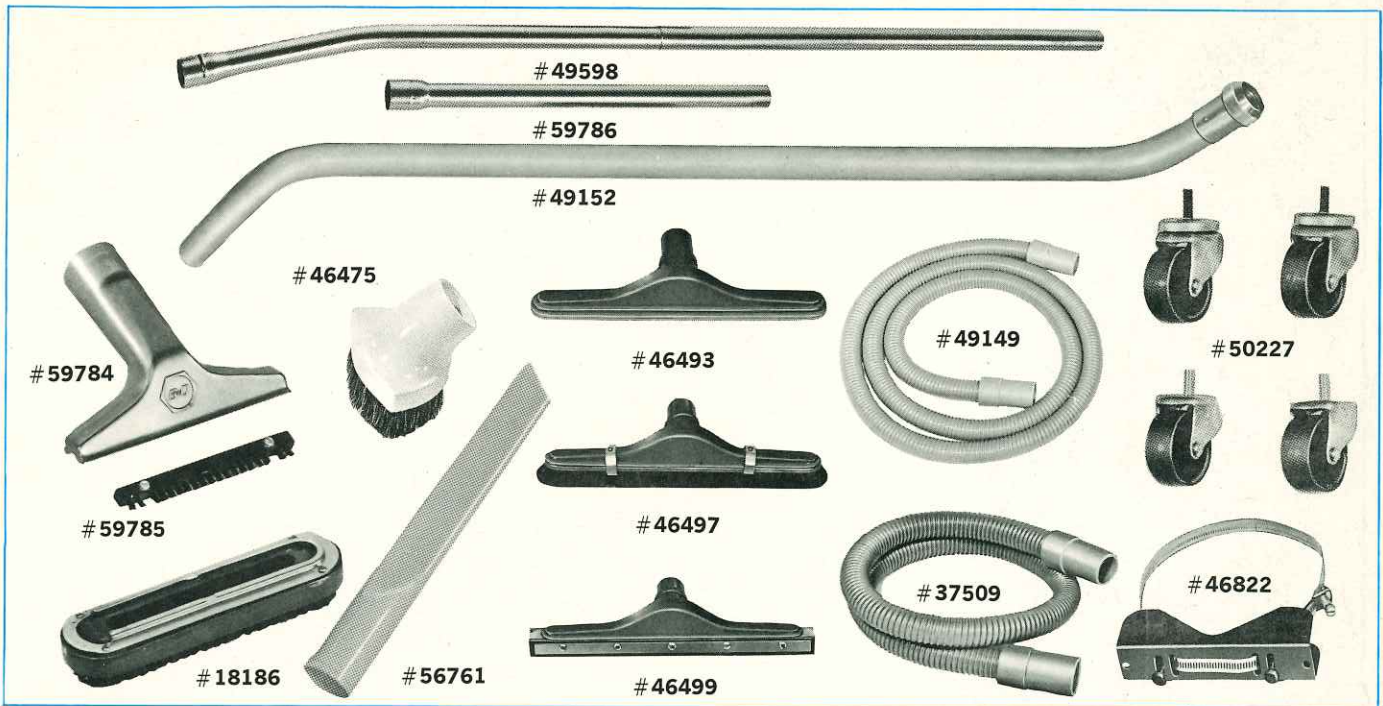
**#26-1A Service Station Vacuum Cleaner**

Attract more gasoline customers with this pumpside vacuum cleaner service. Powerful motor wisks ash trays, upholstery and floors clean in a minute. Customer can operate cleaner if attendant is too busy. This versatile unit can be pole-mounted at the pump island, wall mounted in the wash bay or outfitted with casters for complete mobility. Sturdy steel construction is splashproof and weatherproof. Motor has long brush life. Snap-open dome makes it easy to empty . . . disposable paper dust bags are available.

- Standard Equipment:**  
 # 46247 15' crush-proof plastic hose  
 # 59786 20" Metal Wand  
 # 59784 6" nozzle with brush strip  
 # 54397 Cloth Dust Bag  
 # 54956 One disposable paper dust bag  
 Wall mounting bracket

**SPECIFICATIONS**

|                   | # 77-8A            | # 33-8A             | # 26-1A             |
|-------------------|--------------------|---------------------|---------------------|
| Tank capacity     | 1¼ bushels         | 1¼ bushels          | ¼ bushel            |
| Application range | Wet or dry pick-up | Dry or damp pick-up | Dry or damp pick-up |
| Maximum airflow   | 120 CFM            | 90 CFM              | 90 CFM              |
| Motor rating      | 2¼ H.P. max.       | 1¼ H.P. max.        | 1¼ H.P. max.        |
| Hose connection   | 1½" OD             | 1½" OD              | 1½" OD              |
| Dimensions        | 34" high, 18" wide | 34" high, 18" wide  | 28" high, 9¾" wide  |
| Motor cooling     | By-pass            | Non by-pass         | Non by-pass         |



## Extension Tubes and Wands

**#59786** 20" METAL WAND. Fits any 1½" I.D. hose and can be used to adapt nozzles and brushes to the hose where a longer extension tube is not practical. Ideal for use in all car cleaning. Standard equipment with #26-1A, #33-8A, and #77-8A vacuum cleaners.

**#49598** 4' METAL EXTENSION TUBE. Fits any 1½" I.D. hose. Consists of two 24" chrome plated sections; upper section can also be used as a 24" wand. Complete assembly is used to adapt 1¼" slip-on type floor nozzles and brushes to the hose.

**#49152** 5' DOUBLE ANGLE STEEL EXTENSION TUBE. Specifically designed for all floor cleaning applications. The "double angle" lets you stand straight and avoid tiresome bending over. This extension tube has the lock-on type coupling system and must be used with the #46493 carpet tool, #46497 floor brush, and #46499 squeegee.

## Nozzles, Brushes and Crevice Tools

**#59784** 6" METAL NOZZLE with #59785 brush strip. Excellent for cleaning car seats, floors, upholstery. Use with #59786 wand or #49598 extension tube. Is standard equipment on Models #26-1A, #33-8A and #77-8A.

**#59785** 6" REPLACEMENT BRUSH STRIP for #59784 metal nozzle.

**#18186** 6" HORSE HAIR BRUSH. Used with #59784 metal nozzle where a stiffer brush is required to dislodge dirt.

**#46475** 2" DUST BRUSH. A general purpose brush for cleaning furniture, car interiors, bins and all dusting applications. Can be used with #59786 wand or #49598 extension tube.

**#56761** 10" CREVICE TOOL. For cleaning hard-to-reach areas in cars, storage bins, behind radiators, etc. Can be used with #59786 wand or #49598 extension tube.

## 14" Floor Tools

The following three accessories have lock-on type coupling system and must be used with #49152 extension tube.

**#46493** 14" CARPET TOOL. Ideal for use on all carpets and rugs. Built-in brush loosens dirt for efficient cleaning.

**#46497** 14" FLOOR BRUSH. Ideal for cleaning non-carpeted floors and surfaces.

**#46499** 14" SQUEEGEE. Designed for water pick-up and wet cleaning. Rubber wiper blades clean floors dry in seconds.

## Replacement Dust Bags and Filters

**#54397** REPLACEMENT CLOTH DUST BAG for #26-1A vacuum cleaner.

**#51112** REPLACEMENT CLOTH DUST BAG for #33-8A and #77-8A vacuum cleaners.

## 1½" I.D. Hoses and Hose Couplings

Black & Decker vacuum hoses are the finest you can buy. They resist abrasion and scuffing, won't rot when exposed to normal moisture, solvents and chemicals found around the shop, and aren't affected by extreme heat or cold.

**#49149** 10' CRUSH-PROOF PLASTIC HOSE. Lightweight, with a non-marking finish and rubber hose ends. Standard equipment with #33-8A and #77-8A vacuum cleaners.

**#46247** 15' CRUSH-PROOF PLASTIC HOSE. Same hose as #49149 listed above, except 15' in length. Standard equipment with #26-1A vacuum cleaner.

**#37509** 10' CRUSH-PROOF NEOPRENE HOSE. This hose is extra rugged and won't deteriorate from exposure to oil, heat or gas. Recommended for car-washing installations.

**#25913** METAL HOSE COUPLING. For extra long hose requirements, this coupling connects sections of any 1½" I.D. hose.

## Casters, Bracket for Model 26-1A

**#46822** POLE MOUNTING BRACKET. Hang your #26-1A vacuum cleaner on a pole for easy and convenient use. This bracket can be used on any pole up to 3" diameter and can be adapted to larger diameter poles by using a longer strap.

**#50227** SET OF FOUR CASTERS. Give your #26-1A cleaner more versatility with this caster set. Allows the unit to be rolled on the floor for cleaning operations throughout your shop or office. Two casters are swivel type and two non-swivel.

## Paper Bags and Filters

A secondary paper filter will greatly reduce clogging of the cloth bag, keeping the cleaner working at full power. Dirt is more easily emptied and bag cleaning is less frequent.

**#54956** DISPOSABLE PAPER DUST BAGS, package of five, for #26-1A vacuum cleaner.

**#49521** DISPOSABLE PAPER DUST FILTERS, package of five, for #33-8A and #77-8A vacuum cleaners.

## Dacron Bags and Filters

When fine materials are collected, a secondary dacron filter is needed to prevent clogging of the cleaner's cloth dust bag. As with paper bags, dirt is more easily emptied and bag cleaning is less frequent when dacron bags are used.

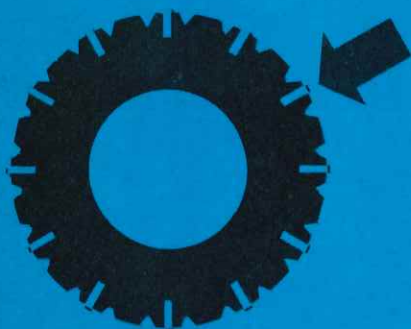
**#50307** DACRON DUST BAG for #26-1A vacuum cleaner.

**#49349** DACRON DUST BAG for #33-8A and #77-8A vacuum cleaners.



Black & Decker®

# TIRE STUDDING EQUIPMENT



## #888 Stud Gun

You'll put tire studding profits in your own pocket at a very small investment with this low cost tire stud gun. No other equipment necessary. So easy to operate, even an inexperienced attendant can stud a tire in less than ten minutes. So versatile, it'll handle any #13 through #17 single flange metal studs. Drives the stud to proper depth with one squeeze of the trigger. This gun is all you need to get into the tire studding business. Or, you can add Black & Decker optional automatic stud feeder and easy-roll tire stand to help cut studding time down as low as four minutes per tire.

Recommended operating pressure 90 PSI  
Hose connection 1/4" FPT  
Recommended minimum hose size 1/4"  
Net weight 2 lb.



### OPTIONAL EQUIPMENT

#### #66800 Easy Roll Tire Stand

Provides a firm shoe against which to drive studs solidly in place. Roller with bearings lets you easily rotate the tire as you stud. Hang this stand on three bolts against any wall at convenient height . . . then simply lift off of bolts for summer storage.

#### #67030 Automatic Motor-Driven Feeder

Automatically drops studs into gun one at a time for rapid-fire studding. Large, motor-driven hopper holds enough studs for 5 or 6 tires. Reloads in seconds . . . just pour more studs into the hopper. No complicated mechanism to clog.



#829

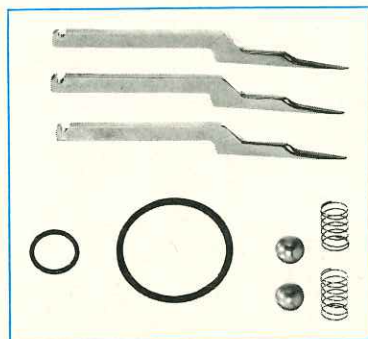
## #829 Tire Stud Drill

Use this to drill stud holes in tires that do not have factory molded holes. Designed to deliver perfect speed and control for tire work when used with the correct bit (listed below). A rugged stud drill, built to high-performance standards.

No load speed 15,000 RPM  
Recommended operating pressure 90 PSI  
Hose connection 1/4" FPT  
Recommended minimum hose size 1/4"

### Tire Stud Drill Bits

These drill bits have been designed especially for drilling stud holes in tires to predetermined depths. Each bit has a shoulder-stop to give uniform penetration and prevent damage to the tire core. Before drilling, check carefully the tread depth of the tire against the drilling depth of the bit.



| Bit Cat. No. | For Stud Size* | Tread Depth Required |
|--------------|----------------|----------------------|
| 62610        | #12            | 10/32"-13/32"        |
| 62612        | #13            | 13/32"-15/32"        |
| 62613        | #15            | 15/32"-17/32"        |
| 62615        | #16            | 16/32" or more       |
| 62616        | #17            | 17/32" or more       |

\*Stud sizes shown are size designations approved by the Tire Stud Manufacturers' Institute.

### Finger Replacement Kits

#66501 fits #888 Stud Gun. Kit includes three matched fingers, two detent springs, two steel detent balls and three O-rings.

#61823 fits discontinued #828 Stud Gun.

## Electrical Cable

Most shop applications involving the use of power tools require the use of extension cords. When extension cords are used, make sure that the cord's wire gauge has sufficient capacity to properly operate the tool. Use of improper extension cords can cause tool damage. Except for All-Insulated tools, electric power tools should always be used with 3-conductor grounded cords.

The table below can be used to quickly determine your extension cord size requirements. It is based on current equivalent to 150 percent rated load of tool and a loss in voltage of not over 5 volts for 115-volt tools. For 220-volt tools, note that the ampere rating on the nameplate is less than on the 115-volt version of the same tool. The chart therefore, is to be used in the same manner as for 115-volt, but based on the 220-volt ampere rating.

**SIZE OF EXTENSION CABLE FOR PORTABLE ELECTRIC TOOLS**

| Ampere rating<br>(on Nameplate) | 0-<br>2.00         | 2.10-<br>3.4 | 3.5-<br>5.00 | 5.10-<br>7.0 | 7.10-<br>12.0 | 12.1-<br>16.0 |  |
|---------------------------------|--------------------|--------------|--------------|--------------|---------------|---------------|--|
| Ext. Cable Length               | Wire Size (A.W.G.) |              |              |              |               |               |  |
| 25 Ft.                          | 18                 | 18           | 18           | 18           | 16            | 14            |  |
| 50 Ft.                          | 18                 | 18           | 18           | 16           | 14            | 12            |  |
| 75 Ft.                          | 18                 | 18           | 16           | 14           | 12            | 10            | Not normally available as flexible extension cord. |
| 100 Ft.                         | 18                 | 16           | 14           | 12           | 10            | 8             |  |
| 150 Ft.                         | 16                 | 14           | 12           | 12           | 8             | 8             |  |
| 200 Ft.                         | 16                 | 14           | 12           | 10           | 8             | 6             |  |
| 300 Ft.                         | 14                 | 12           | 10           | 8            | 6             | 4             |  |
| 400 Ft.                         | 12                 | 10           | 8            | 6            | 4             | 4             |  |
| 500 Ft.                         | 12                 | 10           | 8            | 6            | 4             | 2             |  |
| 600 Ft.                         | 10                 | 8            | 6            | 4            | 2             | 2             |  |
| 800 Ft.                         | 10                 | 8            | 6            | 4            | 2             | 1             |  |
| 1000 Ft.                        | 8                  | 6            | 4            | 2            | 1             | 0             |  |

## Extension Cord

Black & Decker electrical extension cord is top quality 16 gauge cord with grounding wire for maximum safety. Round style cord eliminates kinks and snarls; cord always lies flat.

#66901 50' EXTENSION CORD, 16 gauge, 3-wire grounded.



## Voltage and Current Specifications

### Ordering Information

All Black & Decker electric tool motors, except bench grinders, are "Universal" motors, i.e., they will operate on either DC or single phase AC of 25 to 60 cycles of the specified voltage, except where a special switch or other component limits the usage to AC only.

All electric tools listed in this catalog are supplied in 115 volts only.

If tools are desired in voltages other than 115 volts, please contact your Black & Decker Distributor giving complete details as to your requirements. Feasibility, price, and delivery dates will be quoted upon receipt of the special request at the Factory. Further information may be obtained by writing:

Automotive Division  
The Black & Decker Mfg. Company  
Towson, Maryland 21204

All electric tools listed in this Catalog, except All-Insulated tools, have 3-conductor cord and 3-blade grounding plugs, listed by Underwriters' Laboratories, Inc., which fit 3-wire grounding receptacles now required by the National Electrical Code.



### Underwriters' Laboratories Listed

All Black & Decker Tools listed in this catalog have been listed, where applicable, under the re-examination service of Underwriters' Laboratories, Inc. for industrial use.

## Air System Accessories

For complete listing of accessories recommended for efficient performance of your air tools . . . see page 5.

## Power Tool Lubricants

Power tools require lubrication of wear points, such as gears, etc. Periodic inspection and lubrication of your power tools will greatly lengthen their service life. Refer to tool Owners Manual for specific lubrication instructions.

#C-2194 Heavy-Duty Lubricant, 6 oz. tube

#60541 Heavy-Duty Lubricant, 1 lb. can

#51395 Special Lubricant, 1 lb. can. For tools requiring this special lubricant, refer to tool Owners Manual or your nearest Black & Decker Service Center.

#38276 Electric Impact Wrench Grease, 1 lb. can. For use in all Black & Decker electric impact wrenches.

## Air Tool Lubricants

Refer to tool Owners Manual for specific lubricating instructions.

### Moisture-Gard air motor oil with exclusive water-absorbing action

Moisture-Gard Air Motor Oil has been especially refined to Black & Decker's specifications for lubricating air tool motors. Its exclusive action absorbs the moisture which is present in all compressed air and forms a stable and permanent emulsion which both lubricates and rustproofs.

Automobile motor oil, transmission oil and other types of lubricants often contain ingredients which can harm air tool motors. Play it safe—use Moisture-Gard daily!

#60538 Moisture-Gard Air Motor Oil, 4 oz. bottle

#60539 Moisture-Gard Air Motor Oil, 1 qt. can. Save money when you buy the quart can.



### Air Wrench Mechanism Oil

Air wrench mechanisms require periodic oil changes. This oil is specifically refined to give your Black & Decker impact wrench mechanism the proper type of lubrication. Ordinary-type oils will not give you this protection.

#60537 Air Wrench Mechanism Oil, 4 oz. bottle. For use in all B & D air wrench mechanisms except the #774 and #775.

### Air Wrench Mechanism Grease

For #774 and #775 Models

Black & Decker #774 and #775 series of 1" and No. 5 spline air wrenches use a special mechanism grease.

#51330 Mechanism Grease for #774 and #775 models, 1 lb.

## Lubricant Specifications

### FOR BLACK & DECKER AIR AND ELECTRIC TOOLS

Refer to tool Owners Manual for specific lubricating instructions.

|  | Mechanism Lubricant  | Air Motor Lubricant               |
|--|--|-----------------------------------|
| AIR IMPACT WRENCHES—<br>(All except #774 & #775) | #60537 Mechanism Oil   | #60538 or #60539<br>Moisture-Gard |
| #774, #775                                       | #51330 Grease  | #60538 or #60539<br>Moisture-Gard |
| ELECTRIC IMPACT<br>WRENCHES                      | #38276 Grease  | Not Required                      |
| AIR POWER CHISELS                                | Not Required   | #60538 or #60539<br>Moisture-Gard |
| AIR TIRE STUD GUN                                | Not Required   | #60538 or #60539<br>Moisture-Gard |
| AIR DRILLS                                       | #60541 or #C-2194<br>Heavy Duty Gear Grease                                      | #60538 or #60539<br>Moisture-Gard |
| ELECTRIC DRILLS                                  | #60541 or #C-2194<br>Heavy Duty Gear Grease                                      | Not Required                      |
| AIR SANDERS                                      | #60541 or #C-2194<br>Heavy Duty Gear Grease                                      | #60538 or #60539<br>Moisture-Gard |
| ELECTRIC SANDERS                                 | #60541 or #C-2194<br>Heavy Duty Gear Grease                                      | Not Required                      |
| ELECTRIC POLISHERS                               | #60541 or #C-2194<br>Heavy Duty Gear Grease                                      | Not Required                      |
| VIBRO DRIVER                                     | #51395 Grease  | Not Required                      |
| VALVE REFACERS                                   | Workhead—(3 oil cups)—SAE 10<br>(Gearcase)—SAE 90<br>Tables —(4 oil cups)—SAE 10 |                                   |

**Sales and Service Facilities**

|   | Area Code |
|---|-----------|
| ALABAMA: Birmingham 35233, 1717 Third Avenue, South.....      | 205       |
| ARIZONA: Phoenix 85004, 537 E. McDowell Road.....             | 602       |
| ARKANSAS: Little Rock 72201, 519 W. 7th Street.....           | 501       |
| CALIFORNIA: Anaheim 92802, 1235 So. Euclid Avenue.....        | 714       |
| Los Angeles 90007, 2432 S. Broadway.....                      | 213       |
| Oakland 94606, 1107 E. 14th Street.....                       | 415       |
| Sacramento 95814, 1915 Seventeenth Street.....                | 916       |
| San Diego 92105, 3811 El Cajon Boulevard.....                 | 714       |
| San Francisco 94082, 1139 Airport Boulevard.....              | 415       |
| Santa Clara 95050, 2291 The Alameda.....                      | 408       |
| COLORADO: Denver 80204, 675 Kalamath Street.....              | 303       |
| CONNECTICUT: Hartford 06114, 131 Meadow Street.....           | 203       |
| FLORIDA: Jacksonville 32208, 5224 Pearl Street.....           | 904       |
| Miami 33142, 2075 N.W. 54th Street.....                       | 305       |
| Orlando 38206, 940 So. Orange Avenue.....                     | 305       |
| Tampa 33609, 3407 S. Dale Mabry Highway.....                  | 813       |
| GEORGIA: Atlanta 30313, 316 Techwood Drive, N.W.....          | 404       |
| HAWAII: Honolulu 96813, 675 Auahi Street.....                 | 808       |
| ILLINOIS: Chicago 60607, 1100 W. Jackson Boulevard.....       | 312       |
| Chicago 60646, Lincolnwood, 6710 N. Crawford Avenue.....      | 312       |
| Chicago 60655, Beverly Hills, 10708 S. Western Avenue.....    | 312       |
| Rock Island, 725 30th Street.....                             | 309       |
| INDIANA: Evansville 47708, 931 Bond Street.....               | 812       |
| Indianapolis 46207, 1125 W. 16th Street.....                  | 317       |
| IOWA: Des Moines 50312, 2811 Ingersoll Avenue.....            | 515       |
| KANSAS: Wichita 67214, 203 N. Mathewson Street.....           | 316       |
| KENTUCKY: Louisville 40209, 4407 Park Boulevard.....          | 502       |
| LOUISIANA: New Orleans 70112, 2010 Poydras Street.....        | 504       |
| MARYLAND: Baltimore 21211, 203 West 28th Street.....          | 301       |
| Baltimore 21205, 4712 Erdman Avenue.....                      | 301       |
| Bladensburg 20710, 4501 Baltimore Avenue.....                 | 301       |
| Towson 21204, 701 E. Joppa Road.....                          | 301       |
| MASSACHUSETTS: Boston 02135, 12 Market Street (Brighton)..... | 617       |
| MICHIGAN: Detroit 48219, 18133 W. McNichols Road.....         | 313       |
| Detroit 48234, 11360 East Seven Mile Road (Mt. Elliott).....  | 313       |
| Grand Rapids 49509, 3662 Clyde Park Avenue, S.W.....          | 616       |
| MINNESOTA: Minneapolis 55408, 2815 Nicollet Avenue.....       | 612       |
| MISSOURI: Kansas City 64108, 2705 McGee Trafficway.....       | 816       |
| St. Louis 63110, 615 S. Vandeventer Avenue.....               | 314       |
| NEBRASKA: Omaha 68102, 2218 Leavenworth Street.....           | 402       |
| NEW JERSEY: Newark 07104, 868 Broadway.....                   | 201       |
| NEW MEXICO: Albuquerque 87110, 4700 Lomas Boulevard, N.E..... | 505       |
| NEW YORK: Buffalo 14209, 881 W. Delavan Avenue.....           | 716       |
| New York 10462, 1894 E. Tremont Avenue (Bronx).....           | 212       |
| New York 10014, 227 Varick Street (Manhattan).....            | 212       |
| New York 11377, 56-15 Queens Boulevard (Woodside).....        | 212       |
| Rochester 14620, 476 Clinton Avenue, S.....                   | 716       |
| Syracuse 13224, 2140 Erie Boulevard, E.....                   | 315       |
| NORTH CAROLINA: Charlotte 28206, 1710 N. Graham Street.....   | 704       |
| Fayetteville 28306, P.O. Box 4305, Highway 301, S.....        | 919       |
| Greensboro 27403, 1008-1010 W. Lee Street.....                | 919       |
| OHIO: Cincinnati 45203, 1225 Western Avenue.....              | 513       |
| Cleveland 44113, 3901 Detroit Avenue.....                     | 216       |
| Columbus 43202, 3293 N. High Street.....                      | 614       |
| Dayton 45420, 617 Watervliet Avenue.....                      | 513       |
| Solon 44139, 6225 Cochran Road.....                           | 216       |
| Toledo 43606, 2629 W. Central Avenue.....                     | 419       |
| OKLAHOMA: Oklahoma City 73106, 1717 Linwood Boulevard.....    | 405       |
| Tulsa 74145, 3120 So. Sheridan Road.....                      | 918       |
| OREGON: Portland 97209, 1640 N.W. Johnson Street.....         | 503       |
| PENNSYLVANIA: Harrisburg 17112, 6070 Allentown Road.....      | 717       |
| Lancaster 17604, 715 Fountain Avenue, Box #540.....           | 717       |
| Philadelphia 19103, 333 No. 20th Street.....                  | 215       |
| Pittsburgh 15232, 5437 Baum Boulevard.....                    | 412       |
| RHODE ISLAND: E. Providence 02914, 2777 Pawtucket Avenue..... | 401       |
| SOUTH CAROLINA: Greenville 29601, 407 Pendleton Street.....   | 803       |
| TENNESSEE: Knoxville 37917, 1123 North Central Street.....    | 615       |
| Memphis 38106, 921 South Third Street.....                    | 901       |
| Nashville 37210, 533 4th Avenue, South.....                   | 615       |
| TEXAS: Amarillo 79106, 3008 West 6th Avenue.....              | 806       |
| Dallas 75207, 1808 N. Industrial Boulevard.....               | 214       |
| Fort Worth 76103, 1801 Bomar Street.....                      | 817       |
| Houston 77003, 105 Sampson Street.....                        | 713       |
| San Antonio 78210, 1314 S. St. Mary's Street.....             | 512       |
| UTAH: Salt Lake City 84115, 1541 S. Second West.....          | 801       |
| VIRGINIA: Falls Church 22046, 129 Annandale Road.....         | 703       |
| Norfolk 23517, 337 W. 21st Street.....                        | 703       |
| Richmond 23222, 1424 Chamberlayne Avenue.....                 | 703       |
| WASHINGTON: Seattle 98109, 434 Eighth Avenue, N.....          | 206       |
| Spokane 99202, 3025A E. Mission Avenue.....                   | 509       |
| WEST VIRGINIA: Charleston 25312, 1638 Sixth Avenue.....       | 304       |
| WISCONSIN: Milwaukee 53213, 6301 Blue Mound Road.....         | 414       |

| Telephone No. |
|---------------|
| 324-6691      |
| AL 8-1332     |
| FR 2-3040     |
| 772-4050      |
| RI 9-0371     |
| TE 4-5944     |
| 444-3188      |
| AT 1-3331     |
| 871-7278      |
| 241-9162      |
| 222-0621      |
| 249-6241      |
| 836-8351      |
| 356-2951      |
| 423-1651      |
| 839-5323      |
| JA 4-0431     |
| 569-374       |
| TA 9-3500     |
| OR 3-0923     |
| BE 3-6832     |
| 788-1744      |
| 425-4269      |
| 632-5569      |
| CH 4-7257     |
| FO 3-6571     |
| 366-1495      |
| 522-2544      |
| HO 7-7411     |
| 485-5550      |
| 779-3808      |
| VA 3-4400     |
| ST 2-6264     |
| 534-8880      |
| 527-5010      |
| 534-7708      |
| TA 3-5283     |
| JE 3-2210     |
| HA 1-1493     |
| 345-2330      |
| HU 3-1076     |
| 265-6401      |
| TT 4-6220     |
| SY 2-2700     |
| WA 9-6450     |
| DE 5-1042     |
| 454-3814      |
| 446-3086      |
| FR 5-3721     |
| 425-1181      |
| 275-4487      |
| 421-2275      |
| OL 1-4243     |
| AM 8-5797     |
| 252-1821      |
| CH 8-5330     |
| 475-6771      |
| CE 2-7515     |
| 622-5666      |
| CA 8-8631     |
| KI 5-0651     |
| EX 3-5831     |
| LO 4-5520     |
| 362-2700      |
| 434-1655      |
| 232-3038      |
| 546-2481      |
| WH 2-3244     |
| 254-0110      |
| DR 3-1531     |
| RI 1-6401     |
| ED 0-6175     |
| CA 8-7521     |
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