EXCELLENCE IN SHARPENING EQUIPMENT

A DIVISION OF FOLEY-BELSAW COMPANY

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Telex 434384
Cable Foley Belsaw

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You can sharpen these home, garden and industrial shop saws and tools...
THE MODEL

387 AUTOMATIC SAW FILER

SHARPENS HAND SAWS, CIRCULAR SAWS AND BAND SAWS.
The Model 387 provides perfectly uniform teeth with exact duplication of original tooth characteristics. Saws sharpened on the Model 387 cut faster and stay sharp longer.

AUTOMATICALLY SHARPENS HAND SAWS
The Model 387 Filer sharpens all types of hand saws - taper or flat ground-up, crosscut, mitre, keyhole and crowned. The entire sharpening operation, from setup to removal, takes only minutes.

AUTOMATICALLY SHARPENS CIRCULAR SAWS
The Model 387 completely sharpens wood cutting, meat cutting and nonferrous metal cutting circular saw blades with evenly spaced V-shaped teeth. Basically any circular saw capable of being sharpened with a 3-cornered file can be automatically sharpened on the 387. For steel and carbide circular saws which require grinding, see carbide and steel saw grinding section.

AUTOMATICALLY SHARPENS BAND SAW BLADES
The Model 387 sharpens wood and meat cutting band saw blades with evenly spaced V-shaped teeth... capable of being sharpened with a 3-cornered 60 degree file. Standard equipment supplied with the Model 387 makes band sharpening possible, but for high volume band sharpening we recommend the optional 3589578 wheel & rod assembly with the 3080510 floor stand.

STANDARD EQUIPMENT
1 each 387001Filer with 110 volt 60 cycle, phase motor
1 each 3589992 straight handsaw carrier bar
1 each 3589981 back or mitre saw carrier bar
1 each 3589990 3/16" crowned saw carrier bar
1 each 3580540 band saw attachment
1 each machine lamp
1 each instruction manual
1 each self adjusting cone for circular saw with arbors 1/4" to 2"
ORDER NO. 38701G Automatic Filer with 110 volt motor

OPTIONAL WHEELS AND RODS ATTACHMENT.

This attachment is solely for shops that handle a high volume of long band saws. Not used for short bands. Takes length to 24", width of 4-1/2", providing support for back loop. Mounts on and requires No. 3080510 Floor Stand (not included). No. 3589578 — Weight 32 lbs.

MODEL 387 SAW FILER SPECIFICATIONS

Indexing capacity: 4 points per inch to 16 points per inch cutting speed
(60 cycle motor) . . . .45 to 50 teeth per minute
Bevel adjustment . . . .0 to 30 degrees right and left
File face . . . . . . . . . .7/32" to 5/8"
File length . . . . . . . . .6
Motor — 110 volt, 60 cycle, single phase, 1/3 HP standard
(Other voltages available on request)
Mounting bench mount standard, floor stand optional
Standard machine dimensions 24" h X 15" w X 30" deep
Power Train — Gear reduction system powers cam action indexing and push rod file drive
Circular saw . . . . . . . .5" to 24" standard
diameter capacity . . . .2" to 2" with optional cup assembly
Circular saw . . . . . . . .1/8" to 1/2" standard
arbor capacity . . . . . . . .up to 3/4" with optional cup and cone
Length of feed on circular saw . . . .circumference . . . .0" to 2 3/4"
Hand saw . . . . . . . . . .maximum with standard blade lengths . . . .equipment . . . .20" long
Hand saws styles sharpened — (standard) Rip, Crosscut, Mitre and Back and 3/16" Crown
Optional holders for Compass, Keyhole and Crowns other than 3/16"
Band saws blade width . . . . . . . .1/2" to 4 1/2"
Shipping Weight . . . . . . . . .141 lb.

PAPER TUBE SAWS ATTACHMENT
(optional)

Used on Models 200-307
Provides precise, accurate, perfectly angled filing of circular paper tube saws. Engineered to position and holds paper tube saw at exactly the right angle.
Specify arbor size when ordering.
No. 3580505 Paper Tube Bracket No. 3619550 Saw Arbor (specify arbor size)

NOTE: To sharpen Paper Tube Saws you must order 1 each 3580505 and 1 each 3619550. For each arbor size you require an additional 3619550. Specify Arbor sizes.
MODEL 1200 MANUAL HANDSAW FILER

Adjustable tension spring maintains constant pressure and balance of file carrier.
Flexible arm tool light uses standard 40-50 watt bulb.
Heavy cast iron front frame supports saw carrier.
Tapered steel bar supports file carrier at front and rear.
File with either 8" or 7" length files.
Comfortable rubber hand grip control.
Quick action lock on tool holder.
Rolling bearing housing clamp holds saw rigidly under file.
Mushroom grip ratchet control for coarse and fine tooth under file.
Adjustable stop for advancing saw uniform distance.

The Model 1200 Manual Filer features a motor-driven file arm you guide with one handle and advance the saw with a rubber grip ratchet control. This unit is designed as a low cost yet reliable method for sharpening hand saws. Included is an adaptor which permits the filing of some circular saws, having 'V' shaped teeth — from 4 to 10 inches in diameter.

All Popular Handsaws . . .
Sharpen all kinds of carpenter's handsaws with teeth from 4 to 16 points-per-in. No need to remove blade handle . . . oppal carriers not required.

EQUIPMENT INCLUDED:
Model 1200 with 1/4 HP Motor, Jointing tool with 4" File, Hook Gage, Circular Saw Attachment Band Saw fixture and Back Saw Holder and tool light.
ORDER NO. 2171200 Model 1200 Bench mounted with standard equipment
ORDER NO. 2171202 Model 1200 Floor Stand optional

MODEL 1200 SPECIFICATIONS

Motor — 110 volt, 60 cycle, single phase . . . 1/4 HP, 1725 RPM
File length . . . 6" or 7"
Filing speed . . . 56 60 gear driven file strokes
Bevel angle . . . 0 to 30 degrees right or left
Sharpened Handsaws . . . 4 to 16 points-per-inch

CARRIAGE ASSEMBLIES

Used on Models 61-200-387-2400

The 397 Automatic Filer is equipped with three different hand saw carrier assemblies. Each is designed for use with a particular style of blade: straight edge, crowned edge and back or miter box. Blades are easy to mount on carrier assemblies — no tools required. Takes only seconds to mount and start filing.

No. 3589888 Straight Saw Carrier (supplied/Filer)
No. 3589881 Back or Miter Carrier (supplied w/Filer)
No. 3589890 Crowned Saw Carrier (supplied w/Filer)
No. 3599884 Sandvik Hand Carrier 15/32" Crown (optional)
No. 3589160 Extra long carrier hangers for wide miter saws (optional)

KEYHOLE SAW CARRIER

(optional)

Used on Models 61-200-387-2400. Accommodates both narrow and wide keyhole saws; provides fast, easy set-up. No. 3589402

Adjustable Angle Filing Vise for Dado Heads and Circular Saws

Because of their particular tooth style, Dado Heads must be hand filed. This vise is ideal for the job. It's a handy vise for quick touch-ups and general filing of other circular saw blades. Bench mounted, it holds saw firmly, without chatter, at any tilt angle from vertical to 45°. Handles all Dado and circular saw blades from 4" to 18" in diameter. Accepts blade adapters from 1/2" to 1-1/4"
Model No. 3409901.
THE MODEL 392 AUTOMATIC SAW SETTING MACHINE

FAST, PRECISION SETTING OF HANDSAWS, CIRCULAR SAWS AND BANDSAWS

The automatic feed and hammer action of the Model 392 is designed to feed saws thru the machine, achieving set on both sides of the saw — in one pass. Indexing is quickly established by positioning the Feed Selection Knob to the desired point setting. The amount of set is quickly established by turning the Set Adjusting Knob which controls the amount of the saw tooth which overhangs the saw.

SETTING HAND SAW

Hand saws are clamped to a carrier bar to provide hand off operation. Hand saws from 2 to 16 points can be quickly indexed thru the machine. With optional crown point box saw carriers, crown and mitre box saws can be set on the Model 392.

SETTING CIRCULAR SAWS

The Model 392 is capable of setting circle saws with evenly spaced V-shaped teeth up to 12" in diameter with plate thickness of .060 or less. The Model 392 is equipped with a circular saw holding attachment. (See Models 330, 353 or 359 for more circular saw setting information.)

SETTING BAND SAWS

Band saw holding clips are designed into the machine to allow setting of band saws up to 11/2" wide, with evenly spaced V-shaped teeth.

EQUIPMENT INCLUDED

1 each Model 3920091 Automatic Setter with 110 volt, 60 cycle, 1 phase motor, machine lamp as pictured, 1 each 3920092 straight carrier bar, 1 each circular saw exten arm and cup and cone.

ORDER NO. 3920091

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Hand Saws</th>
<th>All common handsaws 4-16 points-inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circular Saws</td>
<td>3/4&quot; to 12&quot; diameter (V-Shaped teeth only)</td>
</tr>
<tr>
<td>Band Saws</td>
<td>up to 11/2&quot; wide, 4 to 16 points-inch</td>
</tr>
<tr>
<td>Blade Thickness</td>
<td>up to 10 gage (0.093)</td>
</tr>
<tr>
<td>Circular Saw Arbor Size</td>
<td>1/2&quot; to 1-3/16&quot; diameter</td>
</tr>
<tr>
<td>Bench Space Occupied</td>
<td>15&quot; x 17&quot;</td>
</tr>
<tr>
<td>Total Weight</td>
<td>0</td>
</tr>
<tr>
<td>Work Area Required</td>
<td>20&quot; x 30&quot;</td>
</tr>
<tr>
<td>Net Weight</td>
<td>37 lbs.</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>40 lbs</td>
</tr>
</tbody>
</table>

THE TIME SAVING MODEL 330 AUTOMATIC SETTER FOR CIRCULAR SAW BLADES

FAST AND ACCURATE

One quick operation and both sides of the saw are set automatically. Positive and uniform setting force, is easily adjusted from light to heavy. Tooth configuration range includes all types, where teeth are evenly spaced with tooth pitch 1/8" to 11/4" between teeth from .050" to .125" plate thickness. A motor-drive feed pawl advances the saw automatically, tooth by tooth, synchronized with the setting action, teeth are set alternately, one up and one down with dependable precision.

EQUIPMENT INCLUDED:

1 each Model 330 Automatic Setter with 1/4 HP — 110 volt motor extension arm and cup with cone.

ORDER NO. 3300001

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Saw Diameters</th>
<th>4&quot; to 24&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arbor capacity with standard equipment</td>
<td>1/2&quot; to 1 1/8&quot;</td>
</tr>
<tr>
<td>Blade thickness</td>
<td>.050 to .125&quot; thick</td>
</tr>
<tr>
<td>Tooth Pitch</td>
<td>1/8&quot; to 1 1/4&quot; between points</td>
</tr>
<tr>
<td>Feed Rate</td>
<td>120 teeth per minute on 60 hertz current</td>
</tr>
<tr>
<td>Motor</td>
<td>110 volt, 60 hertz, 1 phase 1/4 HP</td>
</tr>
<tr>
<td>Dimensions</td>
<td>19&quot; Long, plus 13&quot; Arm Extension, 15 1/2&quot; Wide, 11 1/4&quot; High</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>88 lbs.</td>
</tr>
</tbody>
</table>

NOTE: The Model 330 does not set 4 - tooth and raker blades.
MANUAL SETTERS

MODEL 359 LEVER TYPE CIRCULAR SAW SETTER

The Model 359 is designed for fast, accurate and easy operation. Features a lever operated trip hammer with adjustable spring tension to assure uniform set. Front mounted hammer for coarse and fine tooth saws. Quick mounting cup and cone accommodates saw arbors from 1½ to 2½" in diameter. Heavy duty frame provides rigid support of all circular saws 5" to 36" in diameter.

ORDER NO. 3590901

MODEL 359 SPECIFICATIONS

| Construction                                      | Cast iron, steel and aluminum magnesium |
| Capacity, Blade Diameter                          | 5" to 36"                                 |
| Blade Thickness                                    | 5½ to 1"                                  |
| Arbor Diameter with standard cone                 | 5½ to 1½"                                 |
| Quadrant Adjustment for tooth hook                | 0° to 45° right or left                    |
| Bench Space Occupied                              | 6 x 23"                                  |
| Height needed to mount angle quadrant             | 24"                                       |
| Work Area Required                                | 22" x 36"                                 |
| Net Weight                                         | 49 lbs.                                   |
| Shipping Weight                                    | 52 lbs.                                   |

MODEL 353 ECONOMY CIRCULAR SAW SETTER

Convenient, Low Cost Saw Setting — sturdy construction throughout — accurate, dependable, inexpensive setting for rip, crosscut and combination blades from 5" to 36" in diameter. Quadrant provides settings to align hammer with tool center, providing a high degree of tooth set uniformity.

ORDER NO. 3530901

MODEL 353 SETTER SPECIFICATION

| Blade Diameter Capacity                           | 5" to 36"                                 |
| Blade Arbor Capacity                              | 1½ to 2"                                  |
| Bench Space Occupied                              | 26 x 6½"                                  |
| Work Area Required                                | 36" x 36"                                 |
| Quadrant Adjustment                               | 0° to 40° left or right                    |
| Shipping Weight                                    | 24 lbs.                                   |

MODEL 381 ECONOMY HANDSAW SETTER

The Model 381 is a hand-fed, hammer-type setter for hand saws. The hammer force is adjustable and the hammer action is foot pedal operated. Operator feeds the saw by hand, setting one side at a time.

ORDER NO. 3810901

PISTOL GRIP SAW SETTER

LESS TROUBLE than other setters

his setter is slower and more tedious than other setters

Saw SWAGE

For use in swaging printers and graphic art saws.

ORDER NO. 3702242

MODEL 385 AUTOMATIC RETOOTHER

The Model 385 Retooth quickly and completely replaces all old teeth with new, precisely sized, accurately spaced teeth on rip or crosscut, straight edged and crowned hand saws. Saves time in any sharpening shop. Satisfies customers. Eliminates the need for jointing with a 387 Filer. Cuts any tooth size from 4 to 11 points per inch, as well as 13 points, with the standard ratchet bars; optional bars for 12-14, 15 and 16 points are available. Simple to operate.

The Depth Gauge indicates exact position of new teeth without guesswork while the indicator assures accurate setting for any tooth hook desired. The Hardened Tool Steel Punch cuts with shearing action; provides sharp, clean-cut teeth in hardest saw steel.

Standard equipment included for Model 385:

| 3899982 | Straight Saw Carrier |
| 3899507 | Ratchet Bar 13-7-4 Points |
| 3899508 | Ratchet Bar 8-4-1/2 Points |
| 3899516 | Retooth with 110 volt motor |

Snap-On Feed Bars for other tooth sizes (optional)

| 3899512 | (4 1/2 and 12 pts.) |
| 3899514 | (7 1/2 and 14 pts.) |

MAKE YOUR OWN CUSTOM SAWS

An extra service for any sharpening shop to satisfy the demands of the craftsman who desires a certain tooth style. These blank saws are ready for custom toothing, filing and setting. Make any tooth style, rip or crosscut in any spacing from 4 to 16 points per inch. (These saws will cost up to $10 and more if purchased with teeth.) Blank custom saws are sold in packages of four.

No. 3899504 Pkg. of 4 Extra Fine Quality (High Grade Steel) blades will maintain sharpness better and last longer.

No. 3899518 Saw Handles. Pkg. of 6-Universal design to fit almost any hand saw. Slotted, but not drilled.

No. 3899023 Pkg. of 10 small handle screws. Aluminum.

No. 3899024 Pkg. of 10 large (Medallion) Handle screws. Aluminum.
The 311 is an all-in-one machine which maximizes safety and rugged versatility. This one machine sharpens, sands, grinds and finishes wood, metal, plastic and a wide variety of other materials — all with optimum safety and long-lasting dependability.

The Model 311 Sander/Grinder is built for total safety with full versatility and rugged dependability. Check these features:

- Direct drive motor — totally enclosed for maximum efficiency. Safety.
- 1/2 HP 3450 R.P.M. Heavy Duty Motor
- Pre-lubricated, sealed ball bearings on all pulleys.
- 1" wide standard sanding belt 42" long
- Separate on-off switch
- Sturdy die cast aluminum housing for maximum strength and protection

**SANDING BELT TABLE**
- 8 x 12" work support table with easy to read scales for adjustment from 45° downward to 15° upward

**SANDING DISC TABLE**
- 12" x 5 1/2" work support table with milled slot for mitre gauge offering table adjustments from 45° downward to 10° upward.
- 8" diameter self adhering sanding disc for fast and easy installation and removal (no gluing necessary)
- Built-in connection outlet for dust collecting system

3110905 — Model 311 Sander/Grinder — bench mounted, with sanding disc, mitre gauge, heavy duty 1/2 HP double shaft motor, two 60 grit sanding discs, plus six abrasive sanding belts. Shipping weight 67 lbs.

31120G — Model 311 same as 3110905 but includes 3110560 floor stand. Shipping weight 92 lbs.

3110560 — Floor stand only. Shipping weight 25 lbs.

**ABRASIVE DISCS FOR MODEL 311**

Highest quality abrasive discs may be used on the Sanding Disc Attachment. Each disc comes with its own self-sticking adhesive back for quick and easy replacement.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Grit</th>
</tr>
</thead>
<tbody>
<tr>
<td>3703300</td>
<td>Super Coarse</td>
<td>40</td>
</tr>
<tr>
<td>3703301</td>
<td>Coarse</td>
<td>60</td>
</tr>
<tr>
<td>3703302</td>
<td>Medium Course</td>
<td>80</td>
</tr>
</tbody>
</table>

**MODEL 1080 ECONO ABRASIVE BELT GRINDER**

**SAVES TIME...**

Saws and tools are sharpened 25% faster by belt than by hand filing at a fraction of the cost of a file.

**SAVES WORK...**

Instead of tedious hand filing at the vise, simply hold the tool on the work table and let the machine do the work.

**SAVES MONEY...**

This economical, yet quality built unit is designed to save every shop money.

2301081 — Model 1080 Econo Grinder with three 1" x 44" abrasive belts (less motor & stand)

2301085 — Floor stand for Model 1080

3707100 — 1/4 HP 115 volt 1725 rpm motor

3702058 — Tool Light

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Over-all size</th>
<th>8 1/8&quot; wide, 14&quot; deep, 22&quot; high</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table work surface</td>
<td>7 x 6 1/2&quot; table tilt (maximum)</td>
</tr>
<tr>
<td>Bearing</td>
<td>Special sealed ball bearing in drive wheels</td>
</tr>
<tr>
<td>Abrasive Belt</td>
<td>1&quot; wide 44&quot; long available in 5 assorted grits</td>
</tr>
<tr>
<td>Motor</td>
<td>1/4 HP 1750 RPM 110 volt — 60 cycle — 1 phase</td>
</tr>
<tr>
<td>Belt Tension</td>
<td>Adjustable idler arm — self-aligning upper wheel</td>
</tr>
</tbody>
</table>

**ATTACHMENTS FOR BOTH MACHINES**

BELVEL-RITE JOINTING & TOPPING ATTACHMENT

Attaches to Model 1080 and Model 311 Belt Grinders. Get complete beveling and jointing accuracy. Adjustable blade to belt for desired clearance angle and place the spring-locking stop hinger into position. Handles saw blades up to 12" diameter.

3110570 — Bevel Rite

2307271 — Knife Fixture

3107264 — Universal Tool Holder

**ABRASIVE BELTS FOR BOTH MACHINES**

Finest quality Industrial Grade Belts with cool grinding Aluminum-Oxide abrasive on strong Resin-Bond cloth backing for fast, efficient grinding an maximum belt wear. Available in desirable grits to handle any grinding job on the need of the professional sharpener.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Grit</th>
</tr>
</thead>
<tbody>
<tr>
<td>3703000</td>
<td>Extra Coarse</td>
<td>50</td>
</tr>
<tr>
<td>3703001</td>
<td>Medium Coarse</td>
<td>80</td>
</tr>
<tr>
<td>3703002</td>
<td>Medium</td>
<td>100</td>
</tr>
<tr>
<td>3703003</td>
<td>Fine</td>
<td>150</td>
</tr>
<tr>
<td>3703004</td>
<td>Super Fine</td>
<td>320</td>
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</table>

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Grit</th>
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<tbody>
<tr>
<td>3703005</td>
<td>Super Coarse</td>
<td>40</td>
</tr>
<tr>
<td>3703006</td>
<td>Coarse</td>
<td>60</td>
</tr>
<tr>
<td>3703007</td>
<td>Medium Coarse</td>
<td>80</td>
</tr>
<tr>
<td>3703008</td>
<td>Medium</td>
<td>100</td>
</tr>
<tr>
<td>3703009</td>
<td>Medium Fine</td>
<td>150</td>
</tr>
</tbody>
</table>

**SOME OF THE MANY USES FOR THESE FINE MACHINES ARE ILLUSTRATED BELOW.**
THE MODEL 1055 SHARP-ALL

Universal HOLDER handles a wide range of scissors, snips, shears, jointer blades, plane irons and similar cutting tools.

Grinding WHEEL 4-in diameter x 1/2 in face.

Precision ground steel WORK TABLE 14-in x 6-in. adjusts 4 ways for correct angle and bevel.

Control SCREW adjusts table height above wheel for desired amount of grind.

SCALE and pointer show grinding bevel 0° to 30°. Left or Right.

Control SCREW adjusts forward motion of saw grinding wheel. Holds accurate setting for jointing and sharpening all type saws.

Saw tooth rest prevents chatter on large saws.

Hardened taper CONE centers any shape arbor hole from 1/2 to 2 inch.

Sharp-All mounts on Floor Stand on any work bench approximately 4-1/2 x 3 ft.

Saw Grinding WHEEL 8-in. diam. x 3/16-in. thick. Most popular for all saws. Other thicknesses available.

Saw ARBOR with scale and pointer for both straight and bevel grinding to left or right from 0° to 45° slides on Base Arm for saws 4° to 48° dia.

Ground and hardened beveled PUNCH hinges over hardened steel ANVIL, with 12 1/2° and 17 1/2° bevels. Strike punch with hammer to set saw tooth.

The Model 1055 Sharp-All is designed to joint, gum, bevel, sharpen and set circular saw blades from 4° to 48° in diameter. The special Tool Holder supplied with the 1055 provides an excellent method for sharpening chisels, axes, knives, lawn mower blades, scissors and pinking shears.

EQUIPMENT INCLUDED
1 each Model 1055 Sharp-All, Bench mounted with 1/2 HP, 110-120 volt 60 cycle motor. 1 each 4" x 1/2" tool grinding wheel. 1 each 8" x 3/16" saw grinding wheel, 1 each dressing brick, and saw setting attachment.
ORDER NO. 2100920

Optional Floor Stand — ORDER NO. 2100921

Floor Stand for Sharp-Alls purchased prior to March 1993 — ORDER NO. 2100922

MODEL 1055 SPECIFICATIONS

Motor Specifications

3450 RPM, 1/2 HP

Blade Capacity

4° to 48°

Arbor Hole Capacity

1/2" to 2 3/16"

Start Height

32"

Overall Height

50"

Bench Space Occupied

12" x 14"

Space Required

22" x 22"

Emery Wheel Capacity

8" and 4" diameters

Motor Shaft Diameter

1/2"

Machine Weight

90 lbs.

Stand Weight

40 lbs.

An excellent tool for starting your Sharpening Business.

Add attachments to the 1055 and you have a complete sharpening center. All attachments shown below are optional.

CHISELS
AXES
KNIVES
SCISSORS
MOWER BLADES

LONG KNIFE HOLDER ATTACHMENT
This unit enables the 1055 to sharpen straight knives such as planer and jointer knives from 4" to 16" in length.
ORDER NO. 2100270

CLIPPER HONE ATTACHMENT
Restores factory sharpness to barber and animal clipper blades.
ORDER NO. 2100274

CHAIN SAW ATTACHMENT
Quickly sharpens any kind of chisel or chipper chain. This attachment allows sharpening of all the cutters and the depth gauge.
ORDER NO. 2100900

BEVEL AID ATTACHMENT
A definite aid for shaping Grinding Wheels, use with optional 3702450 Diamond Dresser.
ORDER NO. 2100457 — Bevel Aid
ORDER NO. 3702450 — Diamond Dresser

DRILL GRINDING ATTACHMENT
A handy tool for sharpening drills from 1/8" to 3/4". An accurately calibrated angle adjustment provides precision grinding of all drills.
ORDER NO. 2100251
HEAVY DUTY MODEL 360 SAW GRINDER & GUMMER

The Model 360 is designed for high volume circular saw grinding. It accommodates hours of heavy gumming — minimizing operator fatigue and maintaining blade sharpening quality.

PROVIDES EXACT HOOK AND BEVEL
The convenient, easy to adjust quadrant allows quick pivot of blades for any desired tooth hook from 0° to 30° — calibrated in degrees for precise setting. Simple adjustment can be made without reversing blade to provide any tooth face bevel from 0° to 45° on blades 5" to 36" in diameter.

Excellent face grinder for carbide saws — equipped with an optional 6" diamond wheel the Model 360 becomes an excellent tool for face grinding carbide saws.

STANDARD EQUIPMENT INCLUDES
1 each Model 360 Grinder with 115 volt, 60 cycle, single phase motor, machine lamp, 1 each 8" x 3 1/16" grinding wheel, pedestal, indexing stop assembly, cone and quadrant for saws with 1/2" to 2 1/2" arbors, 5" to 36" in diameter.

ORDER NO. 3600901
ORDER NO. 3609910 — 45° Hook Extension Arm (optional)
ORDER NO. 3600540 — Large Bore Bushing Plate for arbors in excess of 2-1/2" diameter — optional (specify exact bore size when ordering)

MODEL 360 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Motor</th>
<th>115 volt, 60 cycle, single phase — sealed ball bearing 1/2 HP, 3450 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade Diameter Capacity</td>
<td>5&quot; to 36&quot;</td>
</tr>
<tr>
<td>Blade Arbor Capacity</td>
<td>(Standard) 1/2&quot; to 2 1/2&quot; thick</td>
</tr>
<tr>
<td>Grinding Wheel</td>
<td>8&quot; diameter maximum 5/8&quot; arbor (only), 1 1/16&quot; to 1 1/2&quot; thick</td>
</tr>
<tr>
<td>Diamond Wheel</td>
<td>6&quot; diameter (optional)</td>
</tr>
<tr>
<td>Over All Height</td>
<td>58&quot;</td>
</tr>
<tr>
<td>Face Bevel Capacity</td>
<td>0° to 45° Left and Right</td>
</tr>
<tr>
<td>Top Bevel Capacity</td>
<td>0° to 15°</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>165 lbs.</td>
</tr>
</tbody>
</table>

FACE GRIND CARBIDE SAWSGUMS STEEL SAWSTOPS STEEL SAW

MODEL 355 INDUSTRIAL KNIFE GRINDER

Straight-line precision sharpening of knives to 36" in length. Matched sets of shorter blades can be clamped and ground at one time.

ONE MACHINE GRINDS BOTH STEEL AND CARBIDE
Rugged construction throughout, combined with full adjustability of grinding wheel angle and a precision ball-bearing motor provides precision sharpening of Carbide as well as Steel.

1. MOTOR is powerful 1-1/2 H.P. High Speed 3450 R.P.M., with sealed and permanently lubricated ball bearings. Ruggedly built for heavy duty use, has precision shaft to make grinding wheel run straight and true.

2. ON-OFF SWITCH, conveniently located.

3. GRINDING WHEEL. Vitrified Ruby — Type 6 Straight Cup, 6" x 1" x 1-1/4" arbor hole (1/2" grinding face) 46 grit standard (cat. no. 3700266). Optional 60 grit wheel is best suited for High Speed Steel (cat. no. 3700265). Dish Type Diamond Wheel (cat no. 3570360) can be used for Carbide Grinding.

4. FEED ADJUSTMENT, raises and lowers grinding wheel.

5. PIVOT ADJUSTMENT, for full 360 rotation of Grinding Wheel, to provide any desired grinding angle.

6. STURDY CLAMPS grip blade securely, vibration-free large size, easily tightened.

7. KNIFE HOLDER PLATE. Cast iron, accurately machined.

8. BASE, ruggedly constructed, with milled way for Carriage travel.

9. DIAMOND DRESSER ASSEMBLY attaches to knife holder plate for fast accurate trueing of grinding wheel.

10. PRECISION MILLED WAY for Carriage travel.

11. CLAMP, Heavy Duty Cast Iron Clamps, assure vibration-free mounting of knife holder plate.

12. BALL BEARINGS insure smooth travel of Carriage, or straight-line grinding accuracy.

13. FLOOR STAND. sturdy steel braced and reinforced for firm support.

14. TOOL TRAY included as standard equipment.

15. LEVELING SCREWS align legs with floor.

EQUIPMENT INCLUDED
1 each Model 355 with 1-1/2 HP, 3450 RPM 110 volt motor, diamond dresser assembly, one each 6" cup-type grinding wheel, base and knife holding fixture, floor stand.

ORDER NO. 3550901
(For recommended supplies and grinding wheels — see price list)
ECONO POLISHER MODEL 363

Bench Model 363 Economy Saw Blade Polisher. This compact version of the 378 Polisher fits almost anywhere. Mounts on bench or table. Handles saw up to 18" in diameter, supplied with a taper cone to accept arbors 1/2" to 1" in diameter. Provides professional like-new polish to saws in minutes. Powerful 1/3 HP motor drives polishing wheel. Includes — 1 each 3700445 Flap Wheel.

ORDER NO. 3630901 Econo Polisher 115 volt
Shipping Weight 37 lbs.
ORDER NO. 3619247 — Tapered cone for arbors 1/2" to 1-7/8" (optional)

HEAVY DUTY SAW POLISHER MODEL 378

RESTORES ANY CIRCULAR SAW BLADE TO ORIGINAL BRIGHTEST IN SECONDS

Saw blades last longer and cut better when maintained with the Model 378 Saw Blade Polisher. Blades up to 30" in diameter are rotated at slow speed on a neoprene turntable. A polishing wheel, turning at 3450 r.p.m., quickly scours away dirt and rust. A smooth uniform polish is insured without blade temperature build-up.

STABLE TURNTABLE PROVIDES UNIFORM POLISHING ACTION

Saw blade is power-rotated at 250 r.p.m. by a 1/3 H.P. motor housed inside polisher frame. Permanently sealed ball bearings support turntable shaft firmly at both ends, provides complete table stability for smooth, uniform rotation. A tough neoprene surface maintains wide area contact with blade, insures against blade slippage during polishing. Convenient hand brake stops rotation quickly for last blade changeover.

LIGHT WEIGHT POLISHING ARM PROVIDES EXTREME EASE OF OPERATION

Polishing arm is constructed of strong cast aluminum — sturdy yet lightweight to provide ease of movement and complete control over polishing action. Arm is bearing-mounted to pivot vertically & horizontally. Powerful 1/3 H.P. motor is mounted just behind pivot point of the arm to act as a counter balance provides "light touch" operations so operator effortlessly applies the precise pressure of wheel to blade required for a fast even polish.

SCOURS AWAY FOREIGN DEPOSITS — BOOSTS SAW'S EFFICIENCY

Gives a smooth uniform polish to new or old saw blades in seconds. Improves cutting efficiency. Foreign material build-up on blade sides may cause overheating and loss of tension. Clean glossy surfaces reduce friction; check deposit build-up, stop rust-out, help blades turn out more clean, smooth cutting jobs. The Saw Blade Polisher provides longer service from each saw blade to reduce replacement expenses to a minimum. Blades cut better, look better, last longer.

ORDER NO. 3780901 Heavy Duty Saw Polisher, 115 volt
NOTE: (Polishing wheels optional)
ORDER NO. 3789950 — Dust Chute for Model 378 (optional)

KLEENE E-Z PARTS WASHER

An AFFORDABLE Way To Professionally Clean —
• Small Engine Parts
• Saw Chain and Blades
• ALL Dirty Shop Tools!

Operates on LOW-COST mineral spirits

The Kleene E-Z Parts Washer is ideal for any size service shop! Yes, this compact unit requires only 2½ sq. ft. of bench space, yet holds up to five gallons of solvent for soaking large items but uses as little as one gallon for maximum economy. And the unit is completely self-contained — needs no barrel or other container, no assembly — just plug it in and go.

The Kleene E-Z is designed for use with low-cost Mineral Spirits, a tough-job solvent that quickly cuts through grease and oil on engine parts ... even gasket cement. And saw shop users will appreciate how fast mineral spirits removes pistons and gasket build-up on saw chains, blades and other cutting tools.

• "Stay-Put" Flexible Metal Hose directs and holds Power Rinse solvent stream where you want it.
• Power rinse direct feeds only 1 gallon of solvent, but tank holds up to 5 gallons for soaking larger items.
• Fusible Safety Lid supports, melts in case of fire and closes the cover.
• Heavy Gauge Steel construction throughout tough enough finish.
• Large Tank Capacity — Entire cylinder heads can be immersed in up to 5 gallons of solvent. After soaking, just a stroke or two with wire brush removes even tough gasket residue.

Rear-Tooth Parts Brush — Stips on flexible nozzle and solvent is pumped through tough nylon bristles to clean dirty parts and tools in nothing flat.

Before Sharpening — Pitch and gum residues on chain saws, circular or handsaws and are quickly loosened to prolong life of files and grinding wheels.

Removable Wash & Drain Tray — Keeps tiny parts from being lost ... entire carburetors can be cleaned and inspected during disassembly.

MODEL 361 ECONO-DIP

Add protection and professional appearance to your work. After sharpening and cleaning, protect the sharp edge against rust and scuffing with the Econo Dip. You will gain the competitive edge with the Model 361.

EQUIPMENT INCLUDED
1 each Model 361 Dip Tank with thermostat, circular saw holder, handsaw coating wheel, 3 pounds of plastic coating, complete instructions.

ORDER NO. 2361074 Dip Tank 110 volt.
ORDER NO. 2366010 Dip Seal Plastic — 10 lbs.
ORDER NO. 2366026 Dip Seal Plastic — 25 lbs.

MODEL 361 SPECIFICATIONS
Current — 110 volt A.C. Electric Power Supply (thermostat controlled)
Dip Plastic Life — 70 hours at 369°F
Recommended Temperature for Coating Tools — 350°F
Plastic Flash Point — 365°F

SPECIFICATIONS:
Tank Capacity — 5 Gal. Maximum — 1 Gal. Minimum
Size (Cover Closed) —
Height — 10-in.
Depth — 18-in.
Width — 16-in.
Solvent Required — Recommended for use with Mineral Spirits only. Solvent not included.

ORDER NO. 2375038 — Kleene E-Z Parts Washer

SPECIFICATIONS:
Size (Cover Closed) —
Height — 10-in.
Depth — 18-in.
Width — 16-in.
Solvent Required — Recommended for use with Mineral Spirits only. Solvent not included.

ORDER NO. 2375038 — Kleene E-Z Parts Washer
THE ALL NEW AUTOMATIC
MODEL 368 COMPLETE CARBIDE SAW GRINDER

- Automatically indexes the saw blade
- Automatically counts saw teeth programed to be ground
- Automatically advances grinding head into saw tooth
- Automatically shuts off when program is completed
- Automatically reduces your work load

FIRST REAL AUTOMATIC
The Model 368 costs thousands of dollars less than other automatics

Simple, Economical and Versatile
While other automatics can handle only one or two of the operations necessary to fully sharpen a carbide saw, you get FULL RANGE capability with the Model 368. Grind Face, Top and Sides of teeth at speeds up to 15 teeth-per-minute without tedious or complicated adjustments. Just make the same simple setup you would on our manual grinders, dial in the number of teeth to sharpen and the built-in 'brain' does the rest. And our unique system of both fixed and incremental stops makes the Model 368 ideal for handling those blades where only a few teeth require heavy grinding.

Ruggedly built to stand up to the demands of a professional sharpening shop, the Model 368 eliminates the need for messy, leak-prone hydraulic systems... no need for expensive yet inconsistent pneumatic drive systems and maintenance. The Model 368 utilizes time-proven mechanical feeds coupled with sturdy electrical relays and counters that will last a virtual lifetime.

STANDARD EQUIPMENT INCLUDED
1 each Model 368 Automatic Carbide/Steel Saw Grinder with 1/3 HP — 115 volt motor, automatic control system, floor stand, saw nothing fixture for saws 5' to 40' in diameter with arbors 3/8' to 2'. Saw alignment plate and pin, complete instruction manual.
ORDER NO. 3680920
Shipping Weight 600 lbs.

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ON-OFF SWITCH
MOTOR HEAD LOCK HANDLE
PUMP SWITCH
BEVEL ADJUSTING SCALE
FACE SPINDLING TOOTH POSITIONER
FEED SPEED ADJUSTING CONTROL 10 - 15 TPR
SEALED SWITCH
TOOTH COUNTER
MOBILE INDICATOR LAMP
DEPTH OF GRIND CONTROL
TOOTH SELECTION CONTROL 8 TEETH TO 120 TEETH PER SAW
CARRIAGE TRAVERSE HANDWHEEL (Acme Thread)
BRUSH-TYPE GEAR DRIVE MOTOR
MOTOR PIVOT SCALE
BULLET CLAMPS FIXTURE
PLATE THICKNESS ADJUSTING KNOB
TOP AND SIDE GRINDING TOOTH POSITIONER
ADJUSTABLE SAW REST
POSITIVE LOCK CONE
BLADE SUPPORT SAW REST
INDEX FINGER
INDICATOR MOUNTING BAR
BLADE DIAMETER SCALE
INDEX POSITIONER CABLE
RADIAL SIDE CLEARANCE SCALE
BLADE CENTERING SCALE
UNIVERSAL SAW HOLDING FIXTURE WITH TOP ANGLE AND ZONE ANGLE SCALE

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www.OzarkToolManuals.com
EFFICIENTLY PERFORMS ALL 3 CARBIDE SAW GRINDING OPERATIONS AUTOMATICALLY

The 368 accomplishes the work usually requiring three separate carbide grinders.

FACE GRIND: AUTOMATICALLY GRINDS FACES TO SMOOTH SHARP SURFACES. Face grinding tooth positioner assures each tooth is indexed to an exact location — saves excessive tip grinding, producing cleaner faces with precise spacing between teeth, adjustable to create stock removal of .001 to .010 in one pass. HOOK QUADRANT — precisely calibrated to eliminate guesswork adjusts from -30° to +40°.

SIDE GRIND: AUTOMATICALLY GRINDS TEETH TO UNIFORM WIDTH, EXACT RADIAL CLEARANCE AND EXACT TANGENTIAL CLEARANCE. Automatically grinds teeth to uniform width. Radial clearance adjusts from 0° to 10° allowing all radial angles to be maintained. Motor Head rotates to 90° to provide set-up to achieve tangential side clearance relief feeds — 1/1000 of an inch tolerances providing uniformity of tip widths.

QUICK POSITION STOP FINGER. Easily switches to provide grinding of both sides of the tip - assures minimal change over from one side to the other.

TOP GRIND: AUTOMATICALLY GRINDS TOPS AND EXACT D.0. AND BEVEL DESIRED. Top grind index finger. One set-up accommodates positioning for top grinding on all saws 5 inches to 40 inches in diameter, assures trouble-free, accurate and fast set-up when changing from one diameter blade to the next.

GRINDING HEAD. Provides straight across top grinding or adjusts to any bevel from 0° to 45° degrees up or down. Calibrated infeed hand wheel utilizing Acme Threads assures positive infeed in .001.

ADJUSTABLE BLADE HOLDING AND CENTERING FIXTURE. Designed with calibrated scale — used to center the saw blade to the wheel shaft — aids in minimizing grinding time — assures proper grinding tolerances.

TOP CLEARANCE QUADRANT. Precisely calibrated to assure proper clearances are maintained adjusts from 30° to 20°.

COOLANT SYSTEM

Equip your 368 with the 3670960 Flood Coolant System and obtain optimum performance. Special coolant is flood dispersed under pressure at the grinding point. Your wheels will grind cooler, faster and last longer. Built-in pump recirculates coolant for maximum economy.

ORDER NO. 3670960 (optional) Flood Coolant System

SPECIFICATIONS MODEL 368 AUTOMATIC CARBIDE SHARPENER

<table>
<thead>
<tr>
<th>BLADE SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type Saw: Handled</td>
</tr>
<tr>
<td>Saw Blade Diameter</td>
</tr>
<tr>
<td>Saw Arbor Capacity</td>
</tr>
<tr>
<td>Number of Teeth</td>
</tr>
<tr>
<td>Face Bevel Adjustment</td>
</tr>
<tr>
<td>Hook Angle Adjustment</td>
</tr>
<tr>
<td>Top Bevel Adjustment</td>
</tr>
<tr>
<td>Top Clearance Adjustment</td>
</tr>
<tr>
<td>Radial Side Clearance Adjustment</td>
</tr>
<tr>
<td>Tangential Side Clearance Adjustment</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRICAL SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grinding Head Motor: Sealed 1/3 HP — 115/240 volt</td>
</tr>
<tr>
<td>Single Phase: 50-60 Cycle — 2850/3450 — 1/3&quot; Shaft</td>
</tr>
<tr>
<td>Feed Motor: Brush Type D.C. Gear drive motor with solid state variable speed control.</td>
</tr>
<tr>
<td>Blade Clamping Fixture: 12 volt D.C. solenoid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AUTOMATIC CONTROLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indexing Speed: Variable 10 to 15 teeth per minute</td>
</tr>
<tr>
<td>Indexing number of teeth: Variable setting 0 to 120 teeth per blade</td>
</tr>
<tr>
<td>Grinding Head Stroke: Variable 3/8&quot; to 1-1/2&quot;</td>
</tr>
<tr>
<td>Automatic Stop Sensor: Variable digital setting 0 to 999 similar light indicator completion of cycle</td>
</tr>
</tbody>
</table>

AUTOMATIC CONTROLS

SPEED UP YOUR STEEL SAW SHARPENING

Simply change from a diamond wheel to a grinding wheel and your 368 becomes an automatic steel saw sharpening machine. Sharpen Rip and Combination saws automatically.

www.OzarkToolManuals.com
MODEL 367
COMPLETE CARBIDE MAINTENANCE MACHINE
EFFICIENTLY PERFORM ALL 3 CARBIDE SAW GRINDING OPERATIONS

The 367 accomplishes work usually requiring three separate carbide grinders. Provides extreme efficiency and totally accurate results every time. Original set-up is easy — change over from one operation to the next is fast. It is three machines in one.

STANDARD EQUIPMENT INCLUDES
1 each Model 367 Grinder, 115 volt motor, floor stand, complete saw holding fixture for saw 4" to 40" in diameter. Core for saw arbors ½" to 2", face grinding finger, top and side grinding finger and line-up plate and center pin.
ORDER NO. 36701G — Grinder with stand, 115 volt.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saw Blade Diameter Capacity</td>
<td>4&quot; to 40&quot;</td>
</tr>
<tr>
<td>Saw Arbor Capacity (Standard)</td>
<td>3/8&quot; to 2&quot;</td>
</tr>
<tr>
<td>Carriage Travel</td>
<td>5 1/2&quot;</td>
</tr>
<tr>
<td>Cross Feed Travel</td>
<td>8 1/4&quot;</td>
</tr>
<tr>
<td>Face Bevel Adjustments</td>
<td>0° to 25°</td>
</tr>
<tr>
<td>Hook Angle Adjustments</td>
<td>-30° to +40°</td>
</tr>
<tr>
<td>Top Bevel Adjustment Scale</td>
<td>0° to 45°</td>
</tr>
<tr>
<td>Top Clearance Adjustment Scale</td>
<td>0° to 20°</td>
</tr>
<tr>
<td>Radial Side Clearance Adjustment Scale</td>
<td>0° to 10°</td>
</tr>
<tr>
<td>Tangential Side Clearance Adjustments</td>
<td>0° to 6°</td>
</tr>
<tr>
<td>Grinding Head Infeed Hand-wheels (Acme Thread)</td>
<td>0.001</td>
</tr>
<tr>
<td>Carriage Infeed Hand-wheels (Acme Thread)</td>
<td>0.001</td>
</tr>
<tr>
<td>Grinding Wheel Capacity</td>
<td>0&quot; up to 1/4&quot; Thick</td>
</tr>
</tbody>
</table>

FACE GRIND

SIDE GRIND

SIDES GRINDS TEETH TO UNIFORM WIDTH
RADIAL CLEARANCE SCALE. Adjusts from 0° to 10° allowing all radial angles to be maintained.
MOTOR HEAD. Rotates to 90° to provide set-ups to achieve tangential side clearance relief — infills in .001 of an inch tolerances providing uniformity of tip widths.
QUICK POSITION STOP FINGER. Easily switches to provide grinding of both sides of the tip — assures minimal change over from one side to the other.

GRINDING TOOTH POSITIONER. Assures each tooth is indexed to an exact location — save tips producing cleaner faces with precise spacing between teeth. Adjustable to create stock removal of .001 to .010 in one pass.

GRINDING HEAD. Provides straight across face grinding or adjusts to bevel angles when required. Sealed motor and precision wheel flanges assure recommended tolerances maintained.
HOOK QUADRANT. Precisely calibrated to eliminate guesswork, assures fast, accurate set-up.

GRINDS TOPS TO EXACT O.D. AND BEVEL DESIRED TOP GRIND INDEX FINGER. One set-up accommodates positioning for top grinding on all saws 4 inches to 40 inches in diameter, assures trouble-free, accurate and fast set-ups when changing from one diameter blade to the next.

GRINDING HEAD. Provides straight across top grinding or adjusts to any bevel from 0° to 45° up or down. Calibrated infeed hand wheel utilizing Acme Threads assures positive infeed in .001.
ADJUSTABLE BLADE HOLDING AND CENTERING FIXTURE. Designed with a calibrated scale used to center the saw blade to the wheel shaft — aids in minimizing grinding time — assures proper grinding tolerances are maintained.
TOP CLEARANCE QUADRANT. Precisely calibrated to assure proper clearances are maintained. Adjusts from 0° to 20°.
INCREASE THE CAPABILITIES
OF YOUR 367 WITH ATTACHMENTS

ROUTER BIT ATTACHMENT

Our Router Bit Attachment handles a wide range of straight-flute routing and cutting tools. The Grinding Head and Work Head allow grinding for any desired angle. Sharpens high-speed steel, solid carbide and carbide-tipped router bits. Includes: a 12-division work head, 17500001 Housing and 2" wheel spindle assembly.
ORDER NO. 3570310 Weight 26 lbs.
(For recommended collets, diamond wheels and grinding wheels — see price list.)

CENTER - GRINDING ATTACHMENT

Converts your Model 367, 357 or 368 to a precision sharpening machine for straight and spiral bits and cutters. Sharpens both carbide and high-speed steel when equipped with proper grinding wheels. Handles cutters up to 7" in diameter and to 5 1/8" long. Accommodates standard commercial 100,000 mandrels from 1/4" to 1 1/4" in diameter.
ORDER NO. 3570570 Weight 24 lbs.
(For recommended collets, diamond wheels and grinding wheels — see price list.)

SMALL SAW AND DADO ATTACHMENT

Handles adjustable Dados and small saws 2" to 6" in diameter, cup support and saw rest index pivot.
ORDER NO. 367054

STROB ATTACHMENT

Required to equip your Model 367 or 368 for side and end grind the strob slots on strob saws. Includes: motor extension block, short tail stock, large cone for saw arbors 2" to 6" in diameter, cup support and saw rest index pivot.
ORDER NO. 367061 Strob

COOLANT SYSTEM

Equip your 368 or 367 with the 3670560 Flood Coolant System and obtain optimum performance. Special coolant is flooded dispersed under pressure at the grinding point. Your wheels will grind cooler, faster and last longer. Built-in pump recirculates coolant for maximum economy.
ORDER NO. 3670560 (optional) Flood Coolant System

LARGE CONE

Used on Models 367 and 368 for saws with arbors 2" to 6" in diameter.
ORDER NO. 3679543

TOOTH HEIGHT INDICATOR

Jointing Gouge (Dial Indicator) — Here's the ideal way to check for uniform tooth height and blade roundness of circular saws. The easy to read, accurately calibrated dial indicator face is graduated for precision measurements in .001" increments. Comes complete with fittings to easily install on your Carbide Grinder.
For use with Model No. 367 and 368.
ORDER NO. 3670353

REFIT AND CONVERSION KITS
FOR MODEL 357 and 367
CARBIDE GRINDERS

357 REFIT KIT

Simplify
Set Ups
on your
357.

Refit your 357 with our new saw holding REFIT KIT. This one kit eliminates your existing top and face grinding attachment, side grinding attachment, stop finger and blade rest. With this new method of holding the saw, you will cut your grinding and set up time by 80%. This attachment gives your 357 the capabilities of our Manual 367 Grinder.
CATALOG NO. 36703G

AUTOMATE
YOUR
367
GRINDER.

One simple set up and your 367 becomes an automatic grinder. No special tools required. The automatic attachment gives your 367 all the capabilities of our Model 368 Carbide Grinder. If your shop isn't ready for an automatic at this time — rest assured, we can turn the 357 into an automatic when you need it.
CATALOG NO. 3660500

MODEL 357
OWNERS

Automate
Your Model
357 Grinder

It is our recommendation if your carbide business has grown to the point you need automation — add the Model 368 to your shop. If your budget doesn't allow an entire machine at this time, we have the answer for you. Our Automatic Refit Kit enables your 357 to face, side and top grind saws from 3" to 40" in diameter. To mount the Automatic Refit Kit to your 357, it will be necessary to drill and tap five holes to mount the attachments. Complete instructions are provided.
CATALOG NO. 36857G Automatic Refit Kit with saw holding fixture, drive system and control panel

CATALOG NO. 36555G Drive system control panel for 357 owners who have already purchased the 36703G Manual Refit Kit.
MODEL 338 APOLLO CARBIDE SAW SIDE GRINDER

A perfect companion to our other carbide saw grinders, especially Model 388 or other automatics. Because the Apollo is designed for side grinding only—you will find it the fastest way to do your side grinding. If your shop is equipped with an automatic carbide machine—maximize your shop time—side grind on the Apollo while your automatic does the face and top sharpening automatically.

Convenient Hand Wheel—controls amount of grinding wheel index.

Sure Grip Table—holds blade securely in proper grinding position.

1/3 HP Ball Bearing Motor—plenty of power for heavy duty grinding.

Big Capacity—Apollo handles saw blades to 30-inches in diameter.

Movable Table—glides effortlessly to allow quick setup, easy grinding.

Easy To Use Gauge—on adjustable table gives accurate angles.

Feed Control Depth Stop—eliminates the constant checking and rechecking of the amount of infed.

Quick Angle Finder—adjusts motor-head quickly and easily.

Large Handle—securely locks in desired head angle.

Head Quadrant Scale—accurately calibrated and easy to read.

Uses Low-Cost—4-inch cup Diamond Wheel No. 3570352.

Sturdy Stand—provides stable base for accurate, vibration-free grinding.

ORDER NO. 33801G — Apollo Side Grinder, 115 volt, 60 cycle, single phase motor, with 1 each 4” — 180 grit Cup type Diamond Wheel, bench mounted.
ORDER NO. 339551 — Floor Stand
ORDER NO. 33820G — Same as 33801G, but includes: 1 each 3390560 flood coolant attachment and 1 each 3390561 floor stand.

FLOOD COOLANT ATTACHMENT

ORDER NO. 3380550 — Flood Coolant Attachment for Model 338, includes: pump, splash guards, 1 quart of coolant, coolant reservoir, spray nozzle and hose.

COOLANT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Motor</td>
<td>115 volt, 60 cycle, single phase</td>
</tr>
<tr>
<td>Current Draw</td>
<td>5 amps</td>
</tr>
<tr>
<td>Coolant Flow</td>
<td>Adjustable</td>
</tr>
<tr>
<td>Pump Capacity</td>
<td>2 gallons per minute</td>
</tr>
<tr>
<td>Tank Capacity</td>
<td>5 gallons</td>
</tr>
</tbody>
</table>

FEED CONTROL DEPTH STOP
Speeds up the entire side grinding operation, by eliminating slow stop and go grinding and repetitive stopping to measure each tooth.

QUICK ANGLE LOCATER
This exclusive feature assures all teeth are ground exactly alike.

MODEL 338 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Materials Handled</td>
<td>Carbide (Side grind only)</td>
</tr>
<tr>
<td>Maximum Blade Diameter</td>
<td>30”</td>
</tr>
<tr>
<td>Maximum Arbor Diameter</td>
<td>Any</td>
</tr>
<tr>
<td>Diamond Wheel Specs</td>
<td>4” Cup 1/2” arbor</td>
</tr>
<tr>
<td>Maximum amount of Vertical Infeed</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>Maximum Horizontal Infeed</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>Radial Clearance</td>
<td>0° to 6°</td>
</tr>
<tr>
<td>Tangential Angle Adjustment</td>
<td>0° to 5° left and right</td>
</tr>
<tr>
<td>Floor Space Required</td>
<td>24&quot; x 36&quot;</td>
</tr>
<tr>
<td>Construction</td>
<td>Cast Iron and steel</td>
</tr>
<tr>
<td>Motor Specifications</td>
<td>1/3 HP, 115 Volt, 60 HZ, 1 PH, Totally enclosed</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>100 lbs</td>
</tr>
<tr>
<td>Stand Weight</td>
<td>65 lbs</td>
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</tbody>
</table>
THE MODEL 310 SPARTAN GRINDER

- JOINTS, GUMS AND BEVELS STEEL SAWS
- SHARPENS ALL TEETH UNIFORMLY

This machine is the perfect unit for someone serious about starting a profitable sharpening business. The Spartan offers precision, versatility and economy. The Spartan completely sharpens steel and carbide saws up to 12" in diameter. The Spartan is the perfect building block to help your shop grow into a 367 Grinder.

ORDER NO. 3109901 Bench mount with 115 volt motor, 60 cycle, 1 phase. Includes 1 each 3700393 wheel, 1 each machine lamp, 1 each dressing brick and instruction manual.
ORDER NO. 3109550 Floor Stand
ORDER NO. 31031G Same as 3109901 except includes 3109550 Floor Stand and 1 each 3575349 Diamond Wheel.

- FACE GRINDS
- SIDE GRINDS
- TOP GRINDS
- CARBIDE SAWDS

ATTACHMENTS & ACCESSORIES FOR THE SPARTAN GRINDER

SHARPEN ICE SKATES
The Spartan Ice Skate Attachment quickly hollow grinds all figure skates, hockey skates and speed skates. Built in diamond dresser uniformly dresses the grinding wheel to proper radius, includes 1 each special 6" skate grinding wheel.
ORDER NO. 3109580

GRIND INDUSTRIAL KNIVES
The Spartan's Knife Grinding Attachment handles all straight knives up to 6" long, includes special knife grinding wheel.
ORDER NO. 3109584

HONE CLIPPER BLADE
The Honing Attachment provides a fast, accurate method for sharpening clipper blades. Attaches in minutes. Assures sharp edges every time. Includes 2 oz. of Honing Compound and compound brush.
ORDER NO. 3109581

SHARPEN HOLE SAWDS
Increases the capabilities of the Spartan Grinder to include hole saws. It provides precise sharpening of hole saws from 1" to 6" in diameter. Produces accurate hook angles. Set up is fast and simple. One bolt is all it takes to attach to the grinder.
ORDER NO. 3109586

BLADE ROUNDNESS GAUGE
Used to check for uniform tooth height and blade roundness for circular and carbide tipped saws. Easy to read adjustable with a calibrated dial indicator face graduated in measurements of .001" increments.
ORDER NO. 3109510 — Blade Roundness Gauge (optional)

MODEL 310 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Material Handled</th>
<th>Carbide and High Speed Steel</th>
</tr>
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<tbody>
<tr>
<td>Saw Diameters</td>
<td>5&quot; to 12&quot;</td>
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<tr>
<td>Saw Arrows</td>
<td>1/8 to 1 1/4&quot;</td>
</tr>
<tr>
<td>Bevel Adjustments</td>
<td>0° to 45° left and right</td>
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<tr>
<td>Hook Angle Adjustments</td>
<td>All standard hook angle</td>
</tr>
<tr>
<td>Radial Side Clearance</td>
<td>0° to 5°</td>
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<tr>
<td>Tangential Side Clearance</td>
<td>0° to 5°</td>
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<tr>
<td>Construction</td>
<td>Cast iron and steel</td>
</tr>
<tr>
<td>Grinding Wheel Capacity</td>
<td>6&quot; maximum dia. 1/4&quot; maximum thickness</td>
</tr>
<tr>
<td>Bench or Rear Space Occupied</td>
<td>24&quot; x 24&quot;</td>
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<tr>
<td>Machine Weight</td>
<td>80 lbs.</td>
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<tr>
<td>Motor</td>
<td>115 volt, 60 cycle, single phase sealed-ball bearing, totally enclosed</td>
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<tr>
<td>Floor Stand Weight</td>
<td>70 lbs.</td>
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</table>

www.OzarkToolManuals.com
Our 3670925 Retipping Fixture is recommended for shops with 367 or 368 Carbide Grinders. With this fixture you can handle all different styles carbide blades — up to 40° in diameter. Standard Equipment includes: silver solder flux and dispenser.

Catalog No. 3670925

Replacement Carbide Saw Tips

**Standard Replacement Tips**

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**Top Bevel Tips (Right Hand Bevel)**

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**Pre-Formed Tips (For Rip Saws)**

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**Top Bevel Tips (Left Hand Bevel)**

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**Blank Carbide Tips**

These carbide tips can be ground for any desired angle for any style of carbide saw blades. Used mostly in Strob saws.

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**Tip Assortment**—Contains 200 fast moving blanks. You get 25 each of these popular numbers.

F002020, F002022, F002025, F002026, F00207, F002014, F002065, F002067

Assortment No. F002057

**"TIP ASSORTMENT"—Contains 200 fast moving blanks. You get 10 each of these popular numbers.

F002011, F002014, F002016, F002017, F002021, F002023, F002024, F002064, F002067, F002032, F002049 and F002050

Assortment No. F002110

www.OzarkToolManuals.com
**BRAZING & WELDING**

Replacing tips requires a welding torch that supplies a hot enough flame to heat the carbide tip and melt the silver solder, and our Airco Tote-Weld kit gives you everything you need. It comes with a disposable 1 lb. canister of safe to use MAPP gas and a refillable oxygen tank. This means you do not have to rent or buy expensive large tanks. By using MAPP gas you also avoid using acetylene, a dangerous fuel that should be used only by professional welders and which in many localities would violate zoning ordinances if used in a home workshop setup. MAPP Gas is inexpensive, readily available in every locality, and is safe when used according to instructions.

**PRO-WELDING OUTFIT**

(Does not include Acetylene or Oxygen Tanks)

To be used with commercial oxy-acetylene tanks (obtainable locally). This professional welding outfit is perfect for replacing carbide tips. Contains: Two regulators (Acetylene and Oxygen), Torch Body, 2 Safety Valves, 3 Welding-Brazing tips, flint lighter, hose, safety goggles, and cutting torch.

CATALOG NO. 3570582

**GAS MISER**

**SAVES TIME!!**

**SAVES MONEY!!**

Save time and money. Cut the flow of oxygen and acetylene or mapp gas to 25% of normal usage. Saves time of refilling and adjusting the oxygen flame. The unit is a Must for high volume tip replacement. Simple to install. Easy to operate. Comes complete with hose and adaptors.

CATALOG NO. 3572565 For oxy-acetylene welding kits
CATALOG NO. 3672501 For oxy-map gas kits

**TOTE-WELD RETIPPING TORCH Model 1650**

**EQUIPMENT INCLUDED:**

- 20 Cubic ft. Oxygen cylinder (refillable-chipped full)
- Oxygen tank regulator and gauge
- Sparklighter (w/flint)
- Goggles (w/elastic headstrap)
- Torch cleaner
- Tool-Weld Carrying Case
- Complete Instructions

CATALOG NO. 20246

**NEW** SYRINGE TYPE SILVER/FLUX — A combination of flux and silver solder in paste form ready to use in a syringe. This new method saves time, decreases waste and simplifies your retip- ing work. Syringe with 2 oz. of silver/flux.

ORDER NO. 3672592

**SILVER FLUX APPLICATOR** — This applicator is designed for users of 3579599 solder. Load applicator cavity with solder, insert applicator plunger and you have an effective tool for placing solder to tips.

CATALOG NO. 3572592 Applicator

**SILVER SOLDER — RIBBON TYPE** — Another method of attaching carbide tips to the blade. Just as simple to use. First the ribbon is cut with a scissor and next placed on the saw tooth. Then the tip is laid in place and soldered to the blade. 1 ounce.

CATALOG NO. 3572182

**SILVER FLUX — A combination of flux and silver solder. Paste-form makes this solder extremely easy to apply and use.**

CATALOG NO. 3579599
11/2 oz. jar

**FLUX** — Prevents discoloration of the blade when being heated. Aeda extra lifting power to soldered carbide tip. 1 lb. can.

CATALOG NO. 3572502

**TORCH LIGHTER**

ORDER NO. 3572053 (includes 1 flint)
ORDER NO. 3572362 Package of 6 flints

**TORCH CLEANER**

This handy set of 10 cleaners is ideal for cleaning the orifices or holes in your welding tips with hole sizes No. 75 to 49.

ORDER NO. 3572054

**RETIPPING TONGS** — Convenient tong for handling the carbide tips. Prevents handling tips with your fingers.

CATALOG NO. 3572122

**STEEL WIRE BRUSH** — 14" Long Wire Brush, perfect for cleaning welded tips, tip removal and cleaning other saws and tools.

ORDER NO. 3572126

**PRE-TINNING BLOCK** — This block prevents the burning of your bench. It's ideal for use with Rod type solder.

ORDER NO. 3572339

**FLUX BRUSH** — Designed for brushing flux on the blade or when cleaning. Tin handle, 6" long.

CATALOG NO. 3572369

**MICROMETER** — This precision built measuring instrument is ideal for any sharpening business. It accurately records the thickness of any blade from 0 to 1". Determining the thickness of the blade helps establish what its "set" should be.

CATALOG NO. 3572118

**SIDE DIAL INDICATOR** — Saw Set Gauge (Dial Indicator) — This handy, yet precision tool is highly recommended for every sharpening professional. Eliminates guesswork when setting hand and circular saw blades. Accurately measures the amount of side clearance on carbide tipped saws and the amount of set on regular steel hand and circular saws. Easy to use... easy to read. Dial indicator face shows measurements in precise .001" increments.

CATALOG NO. 3570500
MODEL 380 TOOL AND CUTTER GRINDER

BELT GUARD — Completely encloses V-belts for safe operation.

VERTICAL HAND WHEEL

DIAL HEIGHT SCALE — Used in calibrating exact degree of relief angle.

INDEXING WORKHEAD — 12 division indexing plate, allows for correct indexing of the majority of cutting tools.

MICRO ADJUSTMENT STOP — Allows fine tuning of table travel.

TABLE — Quality machined table provides a sturdy foundation for top quality grinding.

TABLE STOP ROD — Limits the left side travel of the table to exact adjustments.

FEED HANDLE — Cam levered feed handle allows for a smooth flow.

STAND — The sturdy stand provides a vibration-free grind for the accurate tolerances needed on metal cutting tools.

FOLEY Belsaw

PRECISION SHARPENS END MILLS, SPIRAL PLANERS, ROUTER BITS, REAMERS, TAPS... CARBIDE AND HIGH SPEED STEEL CUTTING TOOLS

...SUPERIOR-DESIGN FEATURES

- Easily adjustable bearings assures precision accuracy.
- Ring Scales measure exact grinding tolerances to .001".
- Rigid floor stand completely eliminates vibration.
- Completely new index system for greater accuracy.
- Eliminates guesswork... Precision sharpens metal working tools.
- Easier to read precision calibrated wheels.
- New cam activated work head speeds up operation.

MANDRELS

These are precision engineered. Trusted for mounting milling cutters and other cutting tools with straight-through holes (optional).

<table>
<thead>
<tr>
<th>ORDER NUMBER</th>
<th>DIAM.</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>37090255</td>
<td>1/4&quot;</td>
<td>3-3/4&quot;</td>
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<tr>
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<td>9/16&quot;</td>
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<td>11/16&quot;</td>
<td>4</td>
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<td>3/8&quot;</td>
<td>4-1/2&quot;</td>
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<td>3709258</td>
<td>7/16&quot;</td>
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<td>3709264</td>
<td>1/4&quot;</td>
<td>8</td>
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</tbody>
</table>

COLLETS

They make it possible to sharpen router bits and other cutting tools. Sizes available with inside diameters from 1/4" to 1/2" as listed. Type 4C.

<table>
<thead>
<tr>
<th>ORDER NUMBER</th>
<th>DIAM.</th>
<th>LENGTH</th>
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<tbody>
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</tr>
<tr>
<td>3709096</td>
<td>5/64&quot;</td>
<td>5-1/2&quot;</td>
</tr>
</tbody>
</table>

ORDER NO. 38001Q — Model 380 Complete Tool and Cutter Grinder consisting of: Machine Work Head, suitable and centers, 110 volt, 60 cycle, 1 phase motor, (Specify if other voltage is required), 1 each 3700010 straight cup wheel, 1 each 3709093 — 5/8" collet, 1 each 3709083 — 1/2" collet, 1 each 3709590 collet extender 5/8" to 1/4", 1 each 3709591 collet extender 5/8" to 5/16", 1 each 3709589 collet extender 5/8" to 3/8", 1 each 3702026 Machine lamp and 1 each 3740524 Welded steel floor stand.

www.OzarkToolManuals.com
UNIVERSAL WORKHEAD

Precision sharpening a wide range of straight and spiral fluted tools, including high speed steel as well as solid carbide and carbide tipped bits. The Cutter Attachment provides extreme grinding precision. Grinding head and work head allow universal horizontal and vertical adjustment so that any desired grinding angle is easily obtained.

Universal index supplies a fixed stop for all spacing or indexing requirements. Twelve fixed divisions provide accurate indexing of all 1:2-3:4-6 and 12 flute cutting tools when spacing is exactly uniform. Original factory angles are maintained to assure like-new cutting performance after resharpening.

SUBTABLE & CENTERS

Provides high-precision sharpening of straight and spiral shaper and planer head cutters for both carbide tipped and high speed steel. Cutters with center holes at each end are mounted directly on centers. Shaper cutters and similar tools having straight-through holes are mounted by means of an appropriate mandrel. Accommodates standard commercial lathe mandrels from \( \frac{1}{2} \)" to \( \frac{3}{4} \)" in diameter. Handles cutters to \( 4 \frac{1}{4} \)" in diameter, and up to \( 5 \frac{1}{2} \)" in length.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
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</thead>
<tbody>
<tr>
<td>Table Travel (limit stops and position lock provided)</td>
<td>(152mm) 6&quot;</td>
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<tr>
<td>Cutter Capacity — Maximum diameter</td>
<td>(114mm) 4( \frac{1}{2} )&quot;</td>
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<tr>
<td>Collet Capacity of Work Head</td>
<td>(3.25mm through 19mm)</td>
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<tr>
<td>( \frac{1}{8} )&quot; through ( \frac{3}{8} )&quot;</td>
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<tr>
<td>Number of Indexing Divisions</td>
<td>12</td>
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<tr>
<td>Vertical Adjustment of Grinding Head</td>
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<tr>
<td>Number of Indexing Divisions</td>
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<tr>
<td>Vertical Adjustment of Grinding Head</td>
<td>(191mm) 7( \frac{1}{2} )&quot;</td>
</tr>
<tr>
<td>Number of Indexing Divisions</td>
<td>12</td>
</tr>
<tr>
<td>Vertical Adjustment of Grinding Head</td>
<td>(191mm) 7( \frac{1}{2} )&quot;</td>
</tr>
<tr>
<td>Horizontal (in-and-out) Adjustment of Grinding Wheel</td>
<td>(140mm) 5( \frac{1}{2} )&quot;</td>
</tr>
<tr>
<td>Screw Feed per Graduation on Feed Dial</td>
<td>.001&quot;</td>
</tr>
<tr>
<td>Distance Between Centers</td>
<td>(356mm) 14&quot;</td>
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<tr>
<td>Diameter of Grinding Wheels (51mm and 76mm)</td>
<td>2&quot; — 3&quot;</td>
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<tr>
<td>Ball Bearing Motor — 110 or 230 volts, as specified</td>
<td>( \frac{1}{2} ) H.P.</td>
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<tr>
<td>Weight (machine and pedestal)</td>
<td>(128K) 285 lbs.</td>
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</tbody>
</table>
MODEL 325

SHEAR AND SCISSOR SHARPENER

The Model 325 Shear & Scissor Sharpener is a great business booster as well as a business of its own. It's easy to operate and precision sharpens all types and sizes of shears and scissors... including pinking shears and right and left hand scissors. The 325 sharpens shears and scissors without taking them apart. This compact machine will fit and work anywhere there is electricity. The Model 325 includes 2 ea. 37000097 Grinding Wheels, built-in lamp, 110 volt motor.

ORDER NO. 3250901

Weight: 14 lbs.
No 3700097 Extra grinding wheel 4¼" x ¼" 100 grit
No 3700098 Extra grinding wheel 4¼" x ¼" Rubber Bond, 120 grit

SCISSOR VISE

Add this vise to hold scissors while corrugating. Attaches to any bench.
ORDER NO. 3250928

SCISSOR SCREW ASSORTMENT...

50 assorted sized scissor screws to handle most replacements.
ORDER NO. 3702159

BENCH MOUNT SCISSOR SCREW EXTRACTOR

Ideal for tightening and adjusting scissor screw tension, or extracting and replacing scissor screws. Equipped with two extractor handle assemblies... one having a large head extractor bit and the other with a small head extractor bit.
ORDER NO. 3250917
ORDER NO. 3250910 Replacement extractor bit and handle assembly (large bit)
ORDER NO. 3250912 Replacement extractor bit and handle assembly (small bit)

SCISSOR SCREW PLIERS

Designed for removal of pivot screws in shears.
Order No. 3700062 Pliers
Order No. 3700081 Replacement bit

HAND CORRUGATING FILE

Hand corrugating files are made for corrugating the edges of barber's shears and other edge tools. Made of rectangular section and double cut, they are designed to corrugate the blade when stroked straight across or at right angles to the blade.
ORDER NO. 2196250 6" long, 23/32" wide, 5/32" thick.

PILLAR RIGHT HAND CORRUGATING FILES

Pillar Right Hand Corrugating files are made for corrugating the edge of barber's shears and other edged tools. Place the file on the shear blades as close as possible to the pivot point, stroke with motion forward and to the right, allowing the file to "track" and form corrugations.
ORDER NO. 2196251 6" long, 15/32" wide, 9/64" thick.
MODEL 390 KNIFE SHARPENER

SHARPENS SERRATED KNIVES... Regular Knives... Plus...

Sharpen hundreds of different knives used in the home, the butcher shop and restaurants. From the large bone splitting cleaver to the small steak knife. The internal crush dresser allows you to match or researate most patterns. The abrasive grinding belt removes the dullness fast and without heating the knife. The exact cutting angle is locked in with one simple adjustment... no guess work, perfectly beveled and sharp edges every time!! The buffing wheel allows polishing that gives the knife a professional look.

ORDER NO. 39001G

STANDARD EQUIPMENT:
1 each: 3900901 Knife Serrator 120 volt, 60 cycle 1 motor
1 each: 3703890 1" x 30"... 240 grit belt
1 each: 3703861 1" x 30"... 180 grit belt
1 each: 3703892 1" x 30"... 100 grit belt
1 each: 3702733 buffing rouge
1 each: 3702734 grinding wheel
4 each: 3700969 6" x 2" x 1/2" Grinding Wheels
1 each: 3909035 1/8" crush dresser
1 each: 3909036 1/2" crush dresser
2 each: 3909037 1/4" crush dresser
1 each: 3909038 5/16" crush dresser

REPLACEMENT ABRASIVE BELTS FOR MODEL 390
Finest quality Industrial Grade Belts with cool grinding Aluminum-Oxide abrasive on strong Resin-Bond cloth backing for fast, efficient grinding and maximum belt wear. Available in desirable grits to handle any grinding job and the need of the professional sharpener.

<table>
<thead>
<tr>
<th>CATALOG NO.</th>
<th>DESCRIPTION</th>
<th>GRIT</th>
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<td>3703892</td>
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<td>3703861</td>
<td>Fine</td>
<td>180</td>
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<tr>
<td>3703890</td>
<td>Extra Fine</td>
<td>240</td>
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</table>

MODEL 1019 ALL NEW BORAZON FACED POWER HONE

The Model 1019 is built to utilize an 8" flat ground plate for sharpening flat ground clippers and to hone sharp edge tools such as woodchisels, plane irons, knives and lathe tools. When equipped with our Patented Hollow Ground Plate, you can maintain the touchy Oster Hollow Ground Clippers. Each of our plates are precision milled, 8 inches in diameter and powered by the Model 1019 at 240 RPM. The working surface of each plate comes fully prepared with a permanently bonded borazon-lap, which means there are no powders to pour, no pastes to spread, no plate preparation of any kind. A special borazon plate cleaner supplied with the 1019 keeps the plate surface lubricated and clean.

No mounting needed... compact 10" D x 6" W x 6½"H unit stores out of way. The 1019 is equipped with a special clipper blade support bar which can be removed in seconds when honing large tools.

ORDER NO. 2311019 - Model 1019 PowerHone with motor, clipper blade support and plate cleaner (does not include honing plate)

ORDER NO. 2311017 - 8" dia., 600 grit, borazon faced flat ground plate for Model 1019

ORDER NO. 2311016 - 8" dia., 600 grit, borazon special oster plate

OPTIONAL - TOOL HOLDING FIXTURE

No freehand skill required with this handy fixture. You get a precision super-sharp edge without operator assistance on clippers, plane blades, turning tools, carver's blades and similar flat-ground edges. Just adjust for desired bevel on calibrated dial, insert tool in springloaded clamp... combined weight of tool and fixture applies required honing pressure.

ORDER NO. 2311018

MODEL 1019 SHARPEN ALL THESE TOOLS....
- Hollow Ground
- Oster Clipper Blades
- Flat-Ground
- Clipper Blades
- Wood Chisels and Gouges
- Lathe Tools
- Engraving Tools

MULTI OIL STONE

Our highest quality oil stone provides the ultimate for sharpening fine cutlery. Stone holding assembly provides 3 stones (course, medium and fine) that easily rotates leaving 2 stones not in use preserved in oil. Includes one pint of superior honing oil.

CATALOG NO. 3702037
CATALOG NO. 3702046... replacement stone (medium grit)
CATALOG NO. 3702038... replacement stone (fine grit)
CATALOG NO. 3702039... replacement stone (medium grit)
CATALOG NO. 3702040... replacement stone (course grit)

OIL

Dewalt-Proper		

www.OzarkToolManuals.com
LAWN MOWER/KNIFE SHARPENING

Maintain Gang, Fairway and Greens
Mowers with a........LAWN MOWER GRINDER

The Model 388 Lawn Mower Grinder provides all the necessary features for easy one-person operating of Reel Mowers. A hand operated winch (optional) lifts even the heaviest mowers from the floor with a minimum of operator effort to any desired height. Set-up for precision sharpening is quick and simple. It handles all reel-type mowers with blades up to 36" long. Ideal for maintaining gang mowers used in parks, cemeteries and on golf courses. The built-in diamond dresser assures accurate grinding.

No need to dismantle the mower. The Model 388 lets you precision sharpen any reel-type mower without completely dismantling mower. Place the mower next to the grinder, attach to the elevator hoist and raise to desired height. It's that fast and simple.

No. 38815G Grinder only — shipping weight 375 lbs.
No. 38830G Grinder w/Elevator Assembly
MOWER ELEVATOR. Hand-operated winch provides easy one-person hoisting of mower from floor. Lifts mower to any desired height effortlessly, no matter how heavy. Ratchet level lock. (Standard with No. 38830G)

ORDER NO. 3880950 Elevator
ORDER NO. 3709796 Winch

BED KNIFE GRINDING ATTACHMENT. Permits grinding of bed knives on home-owner reel-type mowers with up to six blades without removing them from the mower. (Optional). No. 3880931

SPECIFICATIONS:

- Height (including base): 50"
- Height (elevator to ground): 76"
- Length (end to end): 24½"
- Width (front to back): 33"
- Motor: 115V, ½ H.P., 3450 RPM

BED KNIFE GRINDING ATTACHMENT OPTIONS:

- No. 3840553 Mounting Kit for Toro mowers
- No. 3550520 Straight Knife grinding attachment for 36" length knives with serial numbers above 700
- No. 3700266 Cup wheel 6" x 1" x 1", 1½" bore, 60 grit
- No. 3700265 Cup wheel for high speed steel. Straight 6" x 1" x 1", 1½" bore, 60 grit
- No. 3700061 Grinding Wheel for Roseman Bed Knives

Ideal for sharpening gang, fairway and greens mowers. Tough and sturdy — quick and convenient. One fast set-up assures properly ground bed knives. The head is easily rotated for grinding the top face of the bed knife, then grinding the front face. Built-in protractor guarantees exact angle as recommended by the manufacturer. The grinding head can be removed from the shearing edge with a hand hole while bed knife is mounted in grinder.

No. 3840901 Shipping weight 246 lbs.
LAWN MOWER SHARPENERS/ACCESSORIES

Sharpen Reel-Type Lawn Mowers with the Versatile...

LAPPING MACHINE

Ideal for the small shop where some reel-type mowers have to be sharpened. Can be used for complete sharpening. The 365 Lapper adds flexibility to any shop. It's completely portable, works equally well in the shop or in the field. Quickly services gang mowers while connected to frame and tractor. Provides precision work every time. Comes complete with reversible motor, connecting chucks, mower supports and special Speed Compound for fast lapping action and smooth finish.

No. 3650902 Lapper w/110V Motor.

SPECIFICATIONS:

Operating speed — 140 RPM
Reel width: Any - Reel diameter up to 12”
Motor, 115V, 1/4 HP: 1725 RPM
Shipping weight: 56 lbs.

No. 365 Lapper Optional Equipment
No. 3659904 Trimmer Adaptor
No. 3659905 Locke Adaptor
No. 3659906 Greenmaster Adaptor

ROTARY MOWER BLADE GRINDER

Sharpens Any Rotary Blade in Five Minutes

This compact unit provides everything you need for servicing rotary lawn mower blades. Easy to adjust — hand wheel adjusts grinding wheel for any degree of hollow grind. Precision sharpens every blade with uniform grinding contact. This machine is ideal for any size shop. Simple to operate... no special training required. The Model 398 Grinder includes a built-in blade balancer.

No. 39801G Grinder 110V. Shipping weight 49 lbs.

LAPPING COMPOUND

3659924 5 pounds — 80 Grit — Dry
3659925 5 pounds — 80 Grit — Dry
3659926 10 pounds — 80 Grit — Dry
3659927 10 pounds — 80 Grit — Dry
3650581 1 Quart — NuGel Compound — 120 Grit
3650580 1 Quart — NuGel Compound — 80 Grit
3650812 6 PK — Quarts — NuGel Compound — 120 Grit
3650811 6 PK — Quarts — NuGel Compound — 80 Grit

MODEL 281 BENDER PRESS

This easy-to-use tool enables straightening of bent rotary mower blades... hedge trimmers and other edge tools... pressing action restores cutting action on tools up to 2½ inches in width.

Order No. 3980281

ROTARY MOWER BLADE BALANCER

Simple, easy to use design that gives completely accurate balancing for any rotary mower blade. Assures vibration-free mower operation. Balances any blade, any length with ¼ to 1½” diameter center hole.

No. 3702277 Shipping weight 2 lbs.
HEAVY DUTY
MODEL 308
Quickly Sharpens any Style Saw Chain
- Super 70
- 72 LP
- Randarda
- Extended Pitch
- Super Pro
- Skip Chain
- Rippling Chain
- Low Profile
- Safety Chain
- Super Chisel
- Micro Chisel
- Chipper
- Micro Bit
- Guard Link

The 308 Grinder sharpens any type of Chisel or Chipper Saw Chain. The 308 eliminates guesswork... provides professional precision accuracy every time. A great money maker for the growing chain saw market.

SAVES MONEY!! SAVES TIME!!
The 308 Saw Chain Grinder eliminates the need for any other grinder. This one machine sharpens any cutter style as well as maintains depth gauge.

SIMPLE TO OPERATE
A convenient foot control allows easy chain insertion... secure clamping and fast indexing from cutter to cutter. A cutter positioning finger holds each cutter to ground in the exact same location to the grinding wheel. The 308's reversing motor assures all cutters are ground to sharp, smooth cutting edges.

STANDARD EQUIPMENT INCLUDES:
1—Model 3080901 Grinder 115 volt, 60 cycle, 1 phase reversing motor, safety shield, dressing brick, wheel radius gauge. 5" x 3/16" Grinding Wheel and complete instructions.
ORDER NO. 3080901

PRECISION WHEEL DRESSER AND TEMPLATES:
Provide accurate wheel dressing without guesswork.
ORDER NO. 3080510

SPECIFICATIONS: NO. 308
Size: 12" h x 15½" l x 12" w
Weight: 32 lbs.
Model: 1½ HP, reversible, 3450 RPM, permanent slip clutch, totally enclosed switch, 3 positions, Grinding Wheel, 5 maximum diameter, 15½ maximum thickness, 1/2" Arbor.
Construction: Steel and aluminum cast

SAW CHAIN GRINDERS
CHAIN MATE
MODEL 399
NEW!
ECONOMICAL!
MONEY-MAKER!
CHAIN SAW SHARPENING IS MORE PROFITABLE NOW THAN EVER BEFORE AS MANUFACTURERS REPORT CHAIN SAW SALES BOOMING!

OPERATING HANDLE — Lowers and raises the grinding wheel. Grinding head is balanced and spring tensioned for smooth, tireless movement.
DEPTH CONTROL — This adjustment regulates downward travel of the grinding wheel to limit depth of grind into the chain cutter.
MOTOR — Totally enclosed — 110 volt, 60 cycle.
GRINDING WHEEL — 5 diameter for rapid cutting and economical operation.
ADJUSTABLE STOP FINGER — To properly index each cutter in exactly the right position under the grinding wheel. Assures that all cutter top plates will be ground to the same length.
CHAIN VISE — Chain inserts between front and rear guide plates, can be advanced freely, and is gripped securely in grinding position with the clamp plate. Takes all chain sizes and designs up to .062 drive link thickness.
BEVEL ADJUSTMENT — Quadrant scale is graduated at 22° - 30° - 35° right and left, for positive bevel adjustments for the different chain styles.
VISE TRAVEL — As required by original factory design, chain may be positioned squarely under the grinding wheel, or may be offset both forward and back.

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Maximum Gauge Thickness</th>
<th>For drive links up to .062</th>
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</thead>
<tbody>
<tr>
<td>Maximum Pitch</td>
<td>up to 1/2 pitch</td>
</tr>
<tr>
<td>Style of Chain</td>
<td>All styles including chisel, and Oregon</td>
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<tr>
<td>Grinding Wheel Diameter</td>
<td>.062-1/8&quot;</td>
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<tr>
<td>Grinding Wheel Thickness</td>
<td>.015-1/16&quot;</td>
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<tr>
<td>Motor</td>
<td>110 volt-80 cycle-1.1 A at 3000 R P M</td>
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<tr>
<td>Machine Height</td>
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<td>Machine Width</td>
<td>8&quot;</td>
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<tr>
<td>Machine Depth</td>
<td>12&quot;</td>
</tr>
<tr>
<td>Machine Weight</td>
<td>12 Lbs</td>
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No. 3990901 includes — Model 399 with 110 volt, 60 cycle, 1 phase motor, 1 each .062" grinding wheel, 1 each .050" x 3/16" grinding wheel, 1 each dressing brick and instruction manual. (Bench mount only)

BENCH-MOUNTED RIVET SPINNER
Sturdy cast iron constructed saw chain rivet spinner for fast, accurate chain repairing. Precision aligned to give factory look to rivet heads. Equipped with thrust and needle bearings, this machine makes rivet spinning effortless. Replaceable, steel threaded bushing installed on tension handle side for long life. A high quality shop tool for repairing all saw chains from 1/4" thru 3/4" pitch. Supplied with (2) two tension handles and (3) three spinning anvils.
ORDER NO. 3702717

BENCH-MOUNTED SAW CHAIN BREAKER
ORDER NO. 3702710

BAR REPAIR KIT
Tools for reconditioning bars by closing rails to original gauge. Kit includes 3 bar groove gauges .050" , .068" , .063". Also includes special file with holder to recondition top of bar groove.
ORDER NO. 5936704.

LOGGER CHAIN GAUGE
Calibrated to indicate exact drive link count of all popular chain pitches, drive link gauges and file sizes.
ORDER NO. 5936702.

www.OzarkToolManuals.com
SAW CHAIN TOOLS AND PARTS

INCREASE YOUR PROFITS WITH SAW CHAIN

MAKE YOUR SMALL ENGINE REPAIR OR
SHARPENING SHOP HEADQUARTERS FOR
Saw Chain Repairs

You can double your money when you buy reels of chain at these low prices. Figure for yourself. Double the dollar amount of the reels you buy. This is the amount of cash money you'll bring in when you custom make loops for your customers. Making chain saw loops can be one of the biggest money-makers in your shop. All chain is brand name, professional quality to satisfy both the casual user and the pro. Your customers will know that you care about quality when you fill their chain needs.

★ FOR DETAILS ON SAW CHAIN, SEE CHART ON PAGE 23

BAR GROOVE CLEANER
Useful for bar maintenance — cleans grooves and oil holes.
ORDER NO. 5936706.

PITCH-N-GAUGE
Saw Chain Check Tool
Eight Different Measurement Checks in ONE HANDBY TOOL...
- Bar Groove Gauge Check.
- 30 Degree Filing Angle.
- File Sizes Check.
- 25 Degree Filing Angle.
- Depth Gauge Check.
- Drive Link Gauge Check.
- Pitch Check.
- Tooth Length Check.
ORDER NO. 5935402.

PLASTIC BAR GUARDS
Protect the Chain and You!
Mini Saws 8” to 20” (ORDER NO. 5948058).
Standard Saws 17” to 20” (ORDER NO. 5948060).

GREASE GUN FOR SPROCKET
Nose or Roller Nose
BAR BEARINGS
Will use light or heavy grease.
ORDER NO. 5938735.
Refills for Grease Gun (No. 5938735).
ORDER NO. 5948736.

SAW CHAIN BREAKER
- Six-Way saw chain repair tool.
- Heat treated anvil and punch, make on
the job saw chain repairs when chain
parts break, become damaged or worn.
- Designed with six channels to accom-
modate all chain sizes from 1/4” thru 1/2”
pitch.
- Chain parts easily removed by placing
damaged section of chain over correct
anvil and punching out rivets.
ORDER NO. 5931563.

WORLD’S BEST FILE HOLDER
Used by professionals for accurate filing
results. One Piece Construction.
ORDER NO. 5938706.

THE FILEMATE
Accurately hand file a saw every time with
this handy tool. Correct Angle - Depth.
Complete with Flat File.
ORDER NO. 5938705.

CHAIN RAKER
DEPTH GAUGE
Adjustable depth gauge for filing rakers on Saw Chain to
proper depth.
ORDER NO. 5938707

“PROFESSIONAL” CHROME-ALLOY
DELUXE FILES FOR SAW CHAIN
Sold by box of 12 only.
Swiss Steel — the very finest chrome alloy
we have found. Sizes below.

<table>
<thead>
<tr>
<th>FILE SIZE</th>
<th>ORDER NO.</th>
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FILE HANDLES
5 in a Package.
ORDER NO. 5938759.

www.OzarkTouManuals.com
GRINDING WHEELS

A wide choice available to exactly fill every grinding need. All emery wheels are highest quality. Completely round and true for wobble-free, vibration-free operation.

VITRIFIED BONDED WHEELS
These are held together with a blend of clay and other ceramic materials resulting in a more porous grinding wheel which runs cooler. They are not as strong as the resinoid wheel.

RESIN BOND WHEELS
These are held together with synthetic resins and other compounds. They are not normally as porous as vitrified, therefore, they are much stronger wheels.

RUBY
The term ruby used with resin bond and vitrified wheels indicates the type grit used in the wheel. Ruby means the abrasive is a Chromium alloyed aluminum oxide; wheel is very sharp and tough.

NORZON
NorZon wheels are made with NZ Alundum, an advanced zirconia alumina abrasive alloy. As the NZ Alundum grains wear and heat up during use the grains self-fracture to produce new sharp cutting edges.

TYPE 1 STRAIGHT WHEELS

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CLEANING, BUFFING, POLISHING WHEELS

We can provide you with wheels to meet all your needs and to fit all the machinery that uses them. These are all high-quality, precision engineered wheels.

FLAP & POLISHING WHEELS

Used on both Saw Polishers (No. 378 and No. 363). The rotating sand paper removes rust and polishes the saw blades. Easy to attach...easy to use.

FIBER WHEEL

A Tampico Fiber Wheel for cleaning, buffing and polishing. 6" x 1/2" x 1/2". ORDER NO. 3700107

WIRE WHEEL

A stiff wire wheel for cleaning and removing rust. It's 6" x 1/2" x 1/2".

ORDER NO. 3700105

KOOL GRIND

5 ROLLS OF KOOL GRIND IN A PACKAGE

SHAREN COOLER & FASTER

KOOL-GRIND coats and lubricates the grinding wheel, prevents clogging and glazing, increases grinding wheel life. Simply hold stick to wheel for a second every 2 or 3 teeth sharpened. You'll notice immediately how much cooler and faster you sharpen.

ORDER NO. 5935494

REDUCING BUSHINGS (NO CHARGE)

Reducing bushings are used in the center of certain wheels to reduce the size of the bore so that they will fit on your machinery. All grinding wheels shown as having 1-1/4" bore are supplied with tough plastic reducing bushings, as follows:

CATALOG NO. WHEEL THICKNESS TO REDUCE BORE SIZE

| 3700430 | 3/16" (Fiber Type) | From 3/4" to 1/2" |
| 3700431 | 3/16" (Fiber Type) | From 3/4" to 5/8" |
| 3700427 | 1/8" and 3/16" | From 1-1/4" to 1/2" |
| 3700428 | 1/8" and 3/16" | From 1-1/4" to 5/8" |
| 3700408 | 1/4" and thicker | From 1-1/4" to 1/2" |
| 3700409 | 1/4" and thicker | From 1-1/4" to 5/8" |
| 3700429 | 1/4" and thicker | From 1-1/4" to 3/4" |
DIAMOND AND BORAZON GRINDING WHEELS
Manufactured to our exact specifications expressly for the professional sharpener. Each of our wheels are individually hand formulated with specified concentration and high quality. To assure long lasting trouble free professional results, use ONLY our wheels on your carbide equipment.

GENERAL CARBIDE SAW GRINDING WHEELS

For Use on Models 310-360-20/20-357-367 and 368
Modified Type D12A2

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DIAMOND WHEEL FOR ROUTER BIT GRINDING

For use on Model 380 and 374

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DIAMOND AND BORAZON WHEELS FOR ROUTERS AND CUTTERS (STRAIGHT)

For use on Router Bit Attachment — Model 380 and 374

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TOP-SIDE AND STROB WHEEL

TYPE D12A2
(For use on Models 20/20, 310, 357, 367 and 368)

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BORAZON AND DIAMOND WHEELS

For Grinding Spiral Cutters and End Mills (in workhead)
Used on Model 380 and 374

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<td>Borazon</td>
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WHEELS FOR SPIRAL CUTTERS, ROUTERS AND PLANERS
WHEN GRINDING BETWEEN CENTERS

For Models 380 and 374

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Dia. (A)</th>
<th>Face (B)</th>
<th>Depth (C)</th>
<th>Conc.</th>
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DIAMOND WHEELS FOR SIDE GRINDING

Used on Model 338

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WHEELS FOR SOLID CARBIDE ROUTERS

For use on Router Attachment, Model 380 and Model 374

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<td>1/8&quot;</td>
<td>75</td>
<td>Borazon</td>
<td>120</td>
</tr>
</tbody>
</table>
DRESSING TOOLS

DRESSING BRICK
Most popular general purpose dresser for use on emery wheels.
CATALOG NO. 3702238

DESMOND DRESSER
Most ideal dresser for shaping emery wheels. Long handle allows you to hold it tight and steady for perfect dressing of emery wheel.
CATALOG NO. 3702422

DIAMOND TIPPED DRESSER
Perfect for quick shaping of emery wheels. Man-made diamond tip is extremely hard and long lasting. Ideal for use with No. 2100457 Bevel Aid on Model 1055 Sharp-All to easily dress, grinding wheels to desired bevels.
CATALOG NO. 3702450 Diamond tipped dresser
CATALOG NO. 2100457 Bevel Aid

ROTARY DRESSER
This heavy-duty, easy to use dresser can be held very stable permitting quick and simple shaping of emery wheels.
CATALOG NO. 3702531
CATALOG NO. 3702260 ... replacement stone

CLEANING STICK FOR DIAMOND WHEELS
Removes pitch and other foreign material from the grinding wheel. This stick is made of a very soft material and cleans diamond wheels exceptionally fast. Should be used minimally (excessive use will wear out diamond wheel faster).
CATALOG NO. 3572426

ABRASIVE STICK WHEEL DRESSER
This small dressing stick is used for touching up grinding wheels. Made of Boron Carbide, it is extremely hard. Ideal for use on the 360 Saw Grinder, 380 Tool Grinder 390 and 308 Saw Chain Grinders and the router hit grinding attachment of the 357 Carbide Grinder. Norton Norbide Dressing Stick (Boron Carbide).
CATALOG NO. 3702999

HONES AND HONE SUPPLIES

MULTI OIL STONE
Our highest quality oil stone provides the ultimate for sharpening fine cutlery. Stone holding assembly provides 3 stones (course, medium and fine) that easily rotate, leaving 2 stones not in use preserved in oil. Includes one pint of superior honing oil.
CATALOG NO. 3702037
CATALOG NO. 3702046 ... Bear Oil (1 qt.)
CATALOG NO. 3702038 ... replacement stone (fine grit)
CATALOG NO. 3702039 ... replacement stone (medium grit)
CATALOG NO. 3702040 ... replacement stone (course grit)

BEAR OIL
Special made for grinder, power tools, hinges, locks, generators, distributors, electric fans, office machines and hundreds of other uses.
CATALOG NO. 3702046
CATALOG NO. 2109277 — 1 jar of abrasive compound for the model 274 Honing Att.
CATALOG NO. 2109279 — 1 jar of adhesive for the 2/4 Honing Attachment.

MACHINE KNIFE STONE
Ideal for removing burrs and rough edges after grinding knives, scissors and other flat edge cutting tools. Combination course and fine grit with groove around circumference to protect operator's finger.
CATALOG NO. 3702991

LUBRICANT • PAINT • SAW CLEANER • COOLANT

space age super lubricant
ORDER NO. 5786944

Saw cleaner
A Bio-degradable Saw Cleaner. This cleaner can be mixed up in a ratio of 10 to 1 and still work effectively on pitch and gum. (one gallon)
ORDER NO. 3702000

SPRAY PAINT — FOLEY GREEN
Touch up those scratches and nicks with our special green spray paint.
ORDER NO. 3709015

LUBRICATING GRAPHITE GUN
• Refillable
• Clog-Proof
• Leak-Proof
This all purpose lubricant comes in a durable, refillable gun. Each gentle squeeze releases a fine spray of graphite. Perfect for spraying tight spots!
ORDER NO. 5786643
ORDER NO. 5786636 1 lb. bulk Graphite Refill

COOLANT
1 Quart of Water soluble Coolant. Mixes 20 to 1.
ORDER NO. 3679560

www.OzarkToolManuals.com
GAUGES AND INDICATORS

The Gauges and Indicators listed in our Catalog are selected specifically... to aid the Professional Sharpener and assure that top quality work is performed. If you need a tool to aid you in checking blade runout, tooth height, side clearance or to level or line up a machine, you will find we have quality Gauges and Indicators to meet your needs.

MICROMETER

This precision built measuring instrument is ideal for any sharpening business. It accurately records the thickness of any blade from 0 to 1". Determining the thickness of the blade helps establish what its "set" should be.

CATALOG NO. 3702119

PRECISION MICROMETER

Machinist Quality... forged steel frame. Satin chrome finish... clear-cut precise graduations... precision cut anvil for accurate readings.

CATALOG NO. 5748660

MAGNETIC BASE LEVEL

A handy, time saving device. Permits simple, accurate readings of any angle. Ideal for setting angles on machines without protractors. Has hundreds of other shop uses too!

For use with No. 355 and No. 384 Knife Grinders. Also with No. 311 & No. 1080 Belt Grinders.

CATALOG NO. 3702707

TOOTH HEIGHT INDICATOR

Jointing Gauge (Dial Indicator) — Here's the ideal way to check for uniform tooth height and blade roundness of circular saws. The easy to read, accurately calibrated dial indicator face is graduated for precision measurement in .001" increments. Comes complete with fittings to easily install on your Carbide Grinder.

For use with Model No. 367 and 366.

CATALOG NO. 3670955

JOINTING GAUGE (Dial Indicator)

Here's the ideal way to check for uniform tooth height and blade roundness of circular saws. The easy to read, accurately calibrated dial indicator face is graduated for precision measurement in .001" increments. Comes complete with fittings to easily install on either Carbide Grinder.

For use with Model No. 310 & 20-20

CATALOG NO. 3109510

For use with Model 357

CATALOG NO. 3570502

SIDE DIAL INDICATOR

Saw Set Gauge (Dial Indicator) — This handy, yet precision tool is highly recommended for every sharpening professional. Eliminates guesswork when setting hand and circular saw blades. Accurately measures the amount of side clearance on carbide tipped saws and the amount of set on regular steel hand and circular saws. Easy to use... easy to read. Dial indicator face shows measurement in precise .001" increments.

CATALOG NO. 3570500
G CLAMP FOR INDICATORS
Attaches to machine, bench or surface plate. Holds indicators securely for precise readings. 5/16" spindle, 3" long. Takes Universal Clamp No. F000621. Clamping capacity 1-1/4" diameter.
CATALOG NO. F000619
CATALOG NO. F000620 1/4" spindle, 5-1/4" long for use with Nos. F000621 & F000623 & F000622

1/4 INCH SPINDLE
5 1/2" long, used with G-Clamp or magnetic base indicator holder and universal clamps.
CATALOG NO. F000620

MAGNETIC BASE INDICATOR HOLDER
Attaches to machine and securely holds the indicator for precise readings. (Use with indicator Nos. F000613 and Universal Clamp No. F000624.) Has precision adjustment for zeroing indicators. Includes 3" long rod and swivel adapter.
CATALOG NO. F000368

DIAL INDICATOR ANVILS
Provides precise reading of any shape or size of angle: flat or indented. Attaches to Back Plunger of Dial Indicator (No. F000613)
CATALOG NO. F000614
Domed Anvil 3/8" CATALOG NO. F000615
Domed Anvil 1/2" CATALOG NO. F000616
Conical Anvil CATALOG NO. F000617
Flat Anvil 1/8" diam. CATALOG NO. F000618
Flat Anvil 3/8" diam.

DIAL INDICATOR — BACK PLUNGER
Ideal for work requiring the face of the indicator dial to be perpendicular to travel such as checking the angles of knives being ground on the 055 Grinder. Has an easy to read dial face that's 1 11/16" diameter. Holding bracket - 1/4" diameter 1-1/4" long. Shank - 5/16" diameter.
CATALOG NO. F000619

UNIVERSAL CLAMPS
Designed to securely hold dial indicator at any desired position. Attaches the dial indicator to the tool post or "G" clamp. (For use with indicator No. F000613)
CATALOG NO. F000621 5/16 holes CATALOG NO. F000622 3/8" holes CATALOG NO. F000623 1/4" holes
CATALOG NO. F000624 1/8"-1/4" holes

INCH AND METRIC DOUBLE END FEELER GAUGE SET
Unique design contains both standard and tapered blades. 26 blades. Blade sizes as follows: Inches .0015 to .025
Metric .037mm to .035mm
CATALOG NO. 5955417

MULTI - USE RULE AND GAUGE
A popular pocket tool for mechanics, homemakers and all tool users.
1. A 4" Quick Reading 32nds. and Metric scale.
2. A drill point gage for checking 59° angle drill.
3. A square
4. A bevel protractor for measuring and laying out of angles.
5. A center finder for locating centers of shafts or circles.
6. A circle divider — up to 9 equal parts; for dividing circles into sectors, regular polygons and polygrams.
7. A tap drill table showing popular size taps with correct drill sizes for National Form of thread.
Made of stainless steel with vinyl plastic case and instructions.
CATALOG NO. F000391

SQUARE HEAD STEEL PROTRACTOR
This precision instrument measures the bevel or hook angle of one saw or tool and transfers it to another saw or tool via a sharpening machine. This stainless steel protractor has a 6° arm and graduations from 0 to 180° in opposite directions. No. 3702121
TOOL LAMPS AND PLUG IN ACCESSORIES

GOOSENECK LAMP
Ideal for any shop. Boasts comfort. Reduces strain. 24" flexible neck provides precise lighting angle needed. Comes complete with 72" cord; safe, molded plug, durable reflector shade and handy mounting bracket.
ORDER NO. 3702144 - SHADE REPLACEMENT
ORDER NO. 3702188 - SOCKET REPLACEMENT

PORTABLE BENCH LAMP
- Clamps to any table or workbench!
- Operates on any standard household current!
- Strong, gooseneck support puts the light anywhere you need it!
ORDER NO. 3702058 LAMP

HAND-LIGHT REEL PORTABLE LIGHT
- 20-FT. CORD
- 18/2 GAUGE
- 1-1/2" DIAMETER
- 2" WIDE
Portable light and Electric Power where you want it. Wall mounted 180° tree swivel. Pulls out to any desired length, locks, retracts automatically.
ORDER NO. 5975354

FLUORESCENT WORK LIGHT
Hold it or hang it. Stays cool. Shatter resistant. Glare-free. Uses 1/10th electricity of regular bulb. 18 inches long.
ORDER NO. 5975353.

POWER-MATE
- 22' or 50', 14 Gauge - 105°C 3 Conductor cord eliminates voltage drop.
- Touch, durable cyclocase for years of heavy use.
- Smooth, no kink wind-up storage.
- Circuit breaker for safety. Guards against overload above 10 AMPS.
- Easily handles 20 AMP surge.

POWER STRIP
Have you ever wanted to plug in one more tool but didn't have enough outlets? Here's something new to solve those problems in any workshop or van. With the new power strip you have the convenience of all the electrical outlets you will ever need, without the inconvenience and dangers of an extension cord or multi-outlet plug. The power strip is safe. It comes with a 14 gauge, 3-wire grounded cord. It's a circuit breaker protected and trips above 15amps. It provides fool-proof protection for you and your shop employeers. What's more, each power strip comes hand assembled to meet rigorous standards for quality and safety. It bears the UL symbol and will last for years of use. The power strip comes with sturdy brackets for convenient mounting anywhere. Also handy on and off switch lets you keep your tools and machines plugged in but with the main switch off they cannot be accidently turned on.
ORDER NO. 5787285

FACE AND EYE PROTECTION

TILTING FACE SHIELD
Ideal for protecting entire face while sanding, buffing, light grinding or welding. The large plastic window visor provides a big full view and is fire-resistant and reinforced with an aluminum edging. It's lightweight, sturdy and adjusts quickly for comfortable wear. The Vinyl Sponge Sweatband is easily removed for washing.
ORDER NO. 3702336
ORDER NO. 3702339 8" Replacement Visor

FLEXIBLE FILTER MASK
Protects against dust, pollen, paint and other noxious fumes and fumes. The Latex filter provides easy breathing. It can be easily cleaned or replaced. A double frame keeps the filter in place. The mask can be comfortably worn with eyeglasses or goggles and has an adjustable elastic web headband.
ORDER NO. 3702265
ORDER NO. 3702285... replacement filters (package of 2)

ONE PIECE PLASTIC GOGGLE
Protects your eyes when sawing, sanding, grinding or spraying. Can be worn with regular prescription glasses. Made of lightweight, one-piece, non-shatterable, non-fogging plastic.
ORDER NO. 3702051

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**MAGNIFIERS**

**OPTI-VISOR . . . Optical Glass**

**Binocular Magnifier**

Magnifies 2-1/2 times to eliminate eye strain, improve vision and increase your efficiency when working on delicate jobs! Wear with or without eyeglasses — in shop or on the job.

“LIGHTWEIGHT CONSTRUCTION for all day comfort, but made of extremely durable, completely washable, impact resistant heavy gauge Durmel. All parts are completely guaranteed for one full year against any defect in materials or manufacture.

TLITING VISOR — Just a touch of the finger-tip raises the visor for normal viewing. Adjustable pivot gives the desired tension. Hooded design completely blocks out glaring light when working in close quarters.

HEADBAND — No elastic here to rot or stretch out of shape. Solid band adjusts easily by turning one knob to make larger or smaller — fits any head size. For maximum comfort our forehead piece is lined with soft felt and covered with smooth leather.

**OPTI-VISOR TOP QUALITY LENSES** — Most off-brand magnifiers on the market have one-piece plastic lenses that are flat-ground. Inferior lenses cause distorted viewing and can damage your vision. Our lenses are the finest quality optical glass available. Each separate lens is prismatically ground to assist the eyes in converging at a given focal distance. Inferior plastic lenses also scratch and shatter easily, affording no protection to your precious vision.

Each Opti-Visor is equipped with a No. 5 lens plate which magnifies 2-1/2 times and has a focal length of 8 inches.

**CATALOG NO. 3702267**

**ILLUMINATED MAGNIFICATION SYSTEM**

**FEATURES**
- 5-inch Diameter Lens (Mag. 3-1/4 times)
- Uses a 22-watt circline fluorescent tube (included)
- Flexible over a full 360 degrees (except FE model which has a weighted base)
- Tension control knob at arm joint to adjust movement to desired touch
- Heavy duty cast aluminum shade
- Finger tip control on off switch

**ILLUMINATED MAGNIFICATION SYSTEM**

**CATALOG NO. 5786964**

**MAGNIFIED SAFETY EYE SHIELD**

Tough flexible vinyl plastic comfortably fits face contour. Worn over eyeglasses if necessary. Provides 12-50 magnification to enlarge small objects clearly. Brings fine work up close while protecting worker’s eyes.

**CATALOG NO. 5702454**

**CATALOG NO. 5702452** — Replacement lens for 5702454 or for addition to front section of holder as a second lens if greater magnification is desired.

**CATALOG NO. 5702453** — Replacement plastic cover plate.

---

**VACUUMS & BLOWERS**

**METRO VAC’N’BLOW**

**Combo Vacuum-Power Blower**

200 mph

PORTABLE ELECTRIC

Air-Power Blower & Vacuum Cleaner

Now own the one industrial, portable electric blower/vacuum with literally hundreds of uses. Blows out cars, dries small parts, cleans lines, cleans, dries, Air Sweeps™ in seconds without compressed air. Cuts maintenance costs and time. Provides a powerful, continuous 200 mph blast of air. Handy way to aerate, blow air dry, vacuum, clean, pump, vent, etc. Inexpensive, does not need vacuum cleaner. 22' extension wand and Powerizer™ air maxmizer flexible hose and shoulder strap. Weighs just 5 lbs. Packaged 7½ lbs. Size: 15” overall length with Powerizer™

**CATALOG NO. 5970349**

**MODEL 2304**

**DUST BLOWER and EXHAUST SYSTEM**

The “heart” of the Model 2304 is our newly designed solid-cast impeller assembly. The wider blades move more waste and fumes than the narrow spoke-type impeller blades which cannot efficiently move solid waste materials such as shavings and that are easily broken. And plenty of power to the impeller assembly is provided by our direct-drive 1/3 HP 3450 RPM sealed ball bearing motor, so there are no belts to ever slip, wear or adjust.

Shipped with full 1/3 HP, 3450 RPM Drip-Proof motor, 6 ft. cord and On/off switch.

**CATALOG NO. 4500590 Dust Blower 110V, 60 cycle, single phase motor**

**CATALOG NO. 4509265 5’ Hose and Clamp**
THE KEY TO A PROFITABLE BUSINESS

CONVERTIBLE KEY MACHINE
OUR MOST POPULAR MANUAL

Diversify your Sharpening business with a Key Manufacturing Service. Add to your profits and satisfy your customers' needs. Key making will be a real traffic builder.

The H2584CV Convertible machine comes with a 34MC Milling Cutter, and a "Soft Touch Super Brush" for deburring keys.

A heavy-duty, manually operated machine engineered for precision and reliability. Ideal for the person who knows he will be cutting a large volume of keys and needs a basic machine that will offer many years of trouble-free service. The Convertible is easy to set up and easy to use. Reversible vises provide versatility to cut single or double sided keys.

Precision gauge fork aligns key blanks accurately. Extended carriage travel allows key blanks to be gauged from the tip including Best type keys without special adapters.

Fully enclosed motor is protected against dust metal chips for longer, trouble-free service. Operates on 110VAC. Also available in 12VDC and 220VAC models. Meets OSHA requirements.

NO. 5727224

KEY ASSORTMENTS

No. 5736998 AUTOMOTIVE ASSORTMENT
This kit contains 150 of the most moving automotive blanks. It contains 25 of the most popular keyways that will fit the majority of cars being used today.

No. 5736997 CYLINDER KEY ASSORTMENT
This kit contains 378 of the most popular cylinder key blanks. These blanks have been carefully selected to include 6 each of the fastest moving blanks. It includes 83 different keyways.

No. 5736998 FLAT STEEL KEY ASSORTMENT
This kit contains 100 of the most popular flat and corrugated steel keys. It includes 20 different keyways.

No. 5736999 FOREIGN CAR ASSORTMENT
Taylor introduces a line of brass foreign car blanks that can be cut on any key cutting equipment. Kit contains 150 of the most popular, fastest moving to fit VW, Toyota, Datsun, Volvo, Mercedes, Mazda, Honda, Fiat, Opel, Audi and others. You get 6 each of 25 popular numbers.

No. 5736712 SPECIAL COMBINATION HOUSE & PADLOCK KEY ASSORTMENT
This kit contains 1500 of the fastest moving, most popular house and padlock keys. The most complete assortment offered anywhere. You receive 6 each of 250 popular numbers. Have the blanks you need when you need them — order this assortment today.

MASTER PADLOCK DISPLAY

Impulse buyers will 'stop, look and buy' when you feature one of these eye-catching self-service rack displays. Each rack is dual purpose — with removable base — and can be used as a stand-up counter display or hung on pegboard (hooks provided). Constructed of heavy wire, gold-finished, with colorful MASTER nameplate.

One tier, 4-hook display — height 12 in., width 12 1/2 in., depth 7 in. — given FREE with purchase of 18 Master blister-packed Secret Service padlocks at regular price (6 each of 7D, 3D — 4 each of 10D — 2 each of 50D).

ORDER NO. 5757423 Self Service Display

Two tier, 6-hook display — height 17 in., width 9-1/2 in., depth 7 in. — Given FREE with purchase of 30 popular Master blister-packed padlocks at regular price (6 each of 22D, 105D, 500D — 4 each of 7D, 10D, 1500D).

ORDER NO. 5757424 Self Service Display

The finest padlock merchandiser ever offered.
You'll get extra sales, faster turnover with this compact, permanent padlock department — only 13 in. x 25 in. Each of MASTER's 15 most popular padlocks, individually show cased in a 3-dimensional frame. Easy to hang on wall or pegboard. MAR PROOF mahogany-grained antique finish and gold MASTER nameplate. This attractive merchandising unit is yours FREE with purchase of only 29 fast-selling Master padlocks — 2 each of Nos. 1, 3, 5, 7, 9, 10, 17, 22, 44, 55, 105, 500, 510, 1500 and one only No. 15.

Description: Padlock Display No. 5757422
FOREIGN AUTOMOTIVE KEY BLANKS

Introducing the new ESP Foreign Automotive Key Blank Assortment FKRA-50L. This truly unique assortment makes the job of properly identifying, locating and cutting Foreign Automotive Keyblanks quick, easy and most importantly — profitable!

Features of the FKBA — 50
- Every keyblank contains the name of the car on the head for easy identification!
- All keyblanks are made of highest quality American-made Nickel plated brass!
- Keyblank comparison chart is conveniently located on the display back-up card for quick and easy cross-referencing!
- Attractive versatile display rack can be used as a freestanding counter display, or as a wallhanging unit!
- Contains total of 230 keyblanks (5 each of 46 popular numbers!)
- Geared for high impulse point-of-purchase sales!
ORDER NO. 5737000

FLAT STEEL KEY ASSORTMENT

This kit contains 100 of the most popular flat and corrugated steel keys. It includes 20 different keyways.
ORDER NO. 5736998

COMPAR-A-BOARD

Contains all comparative key blank numbers printed directly on the board next to each respective key hook.
- Find keys quickly and easily!
- Printed with Star number headings!
- Holds up to 112 different styles!
- Beautifully colored masonite flat display board 24" high by 16" wide!
- The perfect key organizer!
ORDER NO. 5786632

NEW FROM MASTER . . . RESETTABLE COMBINATION PADLOCKS

Smooth Styling . . . SMOOTH SELLING . . . with an unbeatable line-up of appealing features!
- Convenience: User can quickly set lock to open at a 4 digit number of his choice, 10,000 possible combinations.
- Combination Change Key: Makes resetting simple! Can be inserted when lock is open.
- Handsome Appearance: Lucite solid brass case.
- The Master Name: Nationally advertised — Master means security to millions.
M aster Resettable #175
ORDER NO. 5757400
Also available in extra-length 2-1/4 in. shackle #175LH
ORDER NO. 5757409
SMALL ENGINES Service Manual
Order No. G-6030 336 Pages

Now you can repair your own engines on snowmobiles, snowmobiles, skis, engines, snowmobiles, and other power equipment. Virtually everything using a small air-cooled engine! This latest edition of our most popular manual covers twenty-four different brands of over 500 basic model types, and hundreds of variations for air-cooled engines with under 12 cubic inch displacement both 2 and 4 cycle. IT'S THE ONLY UNIVERSAL REPAIR MANUAL OF ITS KIND! And it is over 25 pages larger than after previous with over 300 pages and over 900 illustrations. Special sections on fundamentals, troubleshooting, preventive maintenance tune-ups and repair are included through every process step by step.

Covers the following brands:
- Advance Engine Products
- Briggs & Stratton
- Chrysler
- Clinton
- Continental
- Craftsman
- Detroit Diesel
- Evans
- General
- Husqvarna
- Jacobsen
- Kohler
- Lister
- Mcculloch
- Mora
- Norton
- Outboard
- Power Products
- Robin
- Tecumseh
- Wisconsin

CHAIN SAW Service Manual
Order No. G-6031 312 Pages

Here's everything you need to know to tear down, repair, reassemble and adjust most popular chain saws. It's the only UNIVERSAL source of complete chain saw specifications and repair data.

Section on service fundamentals lists symptoms of common saw failures and outlines troubleshooting procedures. There is a complete section on engine fundamentals and repair fundamentals. Additional coverage is also given to saw chain maintenance to enable you to service the cutting chain as well as the engine.

Also includes expanded information on electric chain saws, Homelite Mcculloch Poulan Remington Skil and Stihl.

Covers the following brands:
- Advance Engine Products
- Allis-Chalmers
- California Tractor
- Craftsman
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

AIR COOLED POWER UNITS Service Manual
Order No. 5955303 220 Pages

This manual provides service department with vital instructions for repair, maintenance and troubleshooting of air-cooled engines including carburetors, fuel systems, exhaust systems, cooling systems, and electrical systems.

Covers the following brands:
- Advance Engine Products
- Allis-Chalmers
- California Tractor
- Craftsman
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

SNOWMOBILE Service Manual
Order No. 5955504 376 Pages

Contains all the know-how you need to service both vehicle and engine of virtually every make and model. The UNIQUE all-inclusive snowmobile repair manual on the market today. Covers all major manufacturers through 1976. Illustrated with photos and exploded views, including complete engine and transmission sections.

Covers the following brands:
- Briggs & Stratton
- Clinton
- Continental
- Craftsman
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

SNOWTHROWER Service Manual
Order No. 5955508 172 Pages

Finally, here's a guide to the servicing and maintenance of snowthrower engines and choppers in a style that's straightforward and easy to understand. The section provides thorough coverage in the areas of lubrication, adjustment, maintenance and overhaul.

Covers the following brands:
- Allis-Chalmers
- Craftsman
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

SMALL ENGINE and CHAIN SAW Flat Rate Manual
Order No. 5955508 68 Pages

Covers the following brands:
- Advance Engine Products
- Allis-Chalmers
- California Tractor
- Craftsman
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

MOTOCYCLE Service Manual
Order No. 5955530 208 Pages

This manual provides service department with vital instructions for repair, maintenance and troubleshooting of motorcycle engines and transmission.

Covers the following brands:
- Allis-Chalmers
- BSA
- Benelli
- Bridgestone
- Buick
- Buick
- Cadillac
- Carrier
- Chrysler
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

MOTORCYCLE Service Manual
Order No. 5955540 184 Pages

This manual provides service department with vital instructions for repair, maintenance and troubleshooting of motorcycle engines and transmission.

Covers the following brands:
- Allis-Chalmers
- BSA
- Benelli
- Bridgestone
- Buick
- Buick
- Cadillac
- Carrier
- Chrysler
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

MOTORCYCLE Service Manual
Order No. 5955510 136 Pages

Covers the following brands:
- Allis-Chalmers
- BSA
- Benelli
- Bridgestone
- Buick
- Buick
- Cadillac
- Carrier
- Chrysler
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

MOTORCYCLE Service Manual
Order No. 5955500 264 Pages

Covers the following brands:
- Allis-Chalmers
- BSA
- Benelli
- Bridgestone
- Buick
- Buick
- Cadillac
- Carrier
- Chrysler
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

MOTORCYCLE Service Manual
Order No. 5955512 104 Pages

Covers the following brands:
- Allis-Chalmers
- BSA
- Benelli
- Bridgestone
- Buick
- Buick
- Cadillac
- Carrier
- Chrysler
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild

COMPACT TRACTOR Service Manual
Order No. 5955532 192 Pages

Covers the following brands:
- Allis-Chalmers
- BSA
- Benelli
- Bridgestone
- Buick
- Buick
- Cadillac
- Carrier
- Chrysler
- Deere
- Dixon
- Elnco
- Elnco
- Husqvarna
- Jonsered
- Lambert
- McCulloch
- Mora
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- Outboard
- Poulan
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- Robin
- Selkirk
- Tecumseh
- Wild

Covers the following brands:
- Allis-Chalmers
- BSA
- Benelli
- Bridgestone
- Buick
- Buick
- Cadillac
- Carrier
- Chrysler
- Deere
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- Elnco
- Elnco
- Husqvarna
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Covers the following brands:
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Covers the following brands:
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- Mora
- Norton
- Outboard
- Poulan
- Remington
- Robin
- Selkirk
- Tecumseh
- Wild
COMPACT TRACTOR Service Manual
Order No. 5953314  156 Pages
Over 14 H.P. tractors are covered in this manual. Anyone servicing these tractors will find this manual invaluable. Engines: Briggs Kohler and Tecumseh

Brands of tractors:
- International Harvester
- Jacobsen
- Massey-Ferguson
- MTD
- Simplicity
- WardsAuto
- Wheel Horse
- White

SMALL TRACTOR Service Manual
Order No. 5953315  260 Pages
A very complete and up to date manual for tractors with air cooled engines up to 14 H.P. A manual for all phases of servicing on the engine and tractor. Step by step instructions with exploded views and pictures. Engine section includes Briggs, Kohler, Onan, Tecumseh and Wisconsin.

Tractor brands covered in this manual:
- Allis-Chalmers
- AMF
- Ariens
- Big Ten
- Bolens
- J.I. Case
- Jim Dandy
- John Deere
- Economy
- Engineering Products
- Ford
- Gilson
- Gravely
- Homette
- Homesteader
- Husky
- Power King
- Special

SMALL TRACTOR Service Manual
Order No. 5953316  272 Pages
All the repair procedures of STS-4 but covering the following brands under 14 H.P.

Brands of tractors:
- Baron
- Badger
- Commando
- Chief
- Cub Cadet
- International Harvester
- Rainier
- Rancher
- Charged
- Sovereign
- Lawn Ranger
- Jacobsen
- Landlord
- Massey-Ferguson
- Meteor
- Minneapolis Moline
- MTD
- Panzer
- Pennsylvania Lawn Products
- Stolt-Simplicity
- Superior
- Wheel Horse
- Wheel Horse (Gear Drive and Hydrostatic Drive)
- Wizard
- Yard-Man
- Yeoman
- Workhorse
- White

LIGHT UTILITY TRACTOR Service Manual
Order No. 5953317  224 Pages
Liquid cooled engines of less than 35 H.P. powerful utility tractors are covered in this manual. Tune-up to major overhaul.

Covering these makes:
- John Deere 820 and 830
- Ford 2000
- Int'l Harv. Int'l Cub 154
- Brbara 195
- Int'l Harv. Farmall Cub 114
- Int'l Cub 114
- Int'l Farmall Cub 114
- Int'l Harv. 140
- Kubota L175, L225
- 250P and 260P
- Sabo 550G

OUTBOARD MOTOR Service Manual
Order No. 5953327  236 Pages
Here’s everything you need to service most major brands of outboard motors below 30 hp. A comprehensive fundamentals section provides detailed tips on periodic servicing, troubleshooting, general maintenance and general repairs.

The special service section contains specifications and step-by-step servicing procedures on hundreds of models with less than 30 hp. Virtually every major brand is included. In most cases, 1969 through 1978 model years are covered. No other manual on the market has such complete coverage of small outboard motors.

The following brands are included:
- Chrysler
- Evinrude
- Evinrude
- Johnson
- Mariner
- Mercury
- Predator
- Scos
- Seacorner-Shipp
- Seagull
- Sea Hawk
- Sea King
- Sears
- Spirit
- Sporthunter
- Viper
- Wizard

INBOARD OUTDRIVE Service Manual
Order No. 5953325  240 Pages
The only full coverage service manual for inboard outboard drives on the market.

Coverage includes the following make and models: -- through 1976 for most models:
- Chrysler (1959-1976)
- Evinrude
- Graymarine
- Johnson
- Mercury
- Predetor
- Speedster
- Storm Swing
- Suzuki
- Tohatsu
- Yamaha
- Yamahas
- West Bend (Shark-O-Matic)

OUTBOARD MOTOR Flat Rate Manual
Order No. 5953526  36 Pages
Job-time breakdown is made for single jobs in each of these repair areas: Inspection and Adjustment, Fuel, Ignition and Cooling Systems, Manual and Electric Starters, Alternator, Generator, and Regulator, Power Water Pump, Power Unit, Mounts and Controls.

Completely revised sixth edition covers over 1,000 models of all major brands of small outboard motors.

Covers these manufacturers:
- Chrysler
- Evinrude
- Evinrude
- Johnson
- Mariner
- Mercury
- Predator
- Spirit
- Speedster
- Tohatsu
- Suzuki
- Yamaha
- Yamahas
- West Bend (Shark-O-Matic)

SMALL AC GENERATOR Service Manual
Order No. 5953531
- Chrysler
- Evinrude
- Evinrude
- Johnson
- Mariner
- Mercury
- Predator
- Speedster
- Tohatsu
- Suzuki
- Yamaha
- Yamahas
- West Bend (Shark-O-Matic)

This brand new service manual contains maintenance, service and troubleshooting procedures, as well as wiring schematics for most generator models.

Covers electrical power plants under 6 kwh which generate alternating current and are driven by air-cooled engines. Covers most current models, as well as models from five to ten years old. Models covered may be stationary or portable, and weigh approximately 350 pounds or less.

This service manual contains hundreds of exploded views, along with step-by-step instructions to help you through the complete repair process.

Covers the following generator manufacturers:
- Chrysler
- Evinrude
- Evinrude
- Johnson
- Mariner
- Mercury
- Predator
- Speedster
- Tohatsu
- Suzuki
- Yamaha

HYDRAULIC SYSTEM DIAGNOSIS
Order No. 595333
This is an in-depth follow-up by Melvin E. Long to his "Let's Get Into Hydraulics." This new series emphasizes the interaction of the components in the hydraulic system. It's designed to help develop a systems approach to problem diagnosis — rather than using a hit-and-miss method until the problem goes away.

LET'S GET INTO HYDRAULICS
Order No. 595333
This is the outstanding 14-part series, authored by Melvin E. Long, featuring the essence of hydraulics as it applies to the farm equipment industry. Let's Get Into Hydraulics is a 48-page daily illustrated manual you'll want to have.

FARM EQUIPMENT ELECTRICAL SYSTEMS
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A comprehensive, 36-page report, authored by Melvin E. Long. Farm Equipment Electrical Systems is a clear, illustrated review of components, circuits, theories of operation, and more. Special chapter on diagnosis and testing.

FARM MACHINERY & TRACTOR FACTS '81
Order No. 595335

RIDING LAWNMOWER Service Manual
Order No. 595336  192 Pages
This manual contains hundreds of sharply detailed photographs and line illustrations to give you step-by-step instructions from start to finish. See what transmission and mechanical parts look like, save money! A must-have service tool. New 1981 model coverage included. There is a fundamentals section and a section on blade care (sharpening and balancing), too.

All engine identification data through strike and displacement, horsepower for each make and model. Along with complete specifications covering bearing,валves, and sizes plus the makes and models of standard components such as carburetors, spark plugs, magneto, generators starters, etc., for troubleshooting.

Brands covered in riding mowers, engines, transmissions, and differentials sections:
- Allis-Chalmers
- AMF
- Briggs & Stratton
- Cousins
- Evinrude
- Johnson
- Dixson XTR
- Dixson
- Reliance
- Briggs & Stratton
- MTD
- Murray
- Peerless
- Roper
- Simplicity
- Snapper
- Wheel Horse
- White

WALKING LAWNMOWER Service Manual
Order No. 5958088  128 Pages
This manual is a complete guide to the care and repair of your push-type lawnmower. Several sections focus on the fundamentals of engine repair, blade care and routine maintenance.

Reference pages show you how to determine the exact engine make and model of your mower.

The diagnostic section features a symptom-to-symptom troubleshooting chart to help you isolate problems and determine repairs.

Finally, the engine repair section offers a troubleshooting chart to help you understand step-by-step servicing instructions.

Covers the following engines made on dozens of lawn mowers:
- Briggs & Stratton
- Dixson XTR
- Dixson
- Reliance
- Briggs & Stratton
- MTD
- Murray
- Peerless
- Roper
- Simplicity
- Snapper
- Wheel Horse
- White
Tools and Misc. Supplies

**Torque Wrenches**

One of the most accurate Torque Wrenches on the market. The beam type torque wrenches give you the torque you need with 2% accuracy. Inertia Wicked beam-to-head construction prevents loosening of beam and loss of wrench accuracy. Small 7/8" head diameter assures easy access where other beam wrenches will not fit. Torque, either clockwise or counterclockwise. Wrenches constructed of high quality materials. Chrome plated head and body prevents rust impact resistant pivoted Cycloline handle for long life and accuracy. Easy direct-reading chart in English and metric scales for flexibility.

**WOOD CHISELS**

SET OF 4

1/4", 1/2", 3/4", 1" General precision ground, heavy duty tang chisels have high impact plastic handles which are shock-proof, splinter-proof and are designed to fit the hand comfortably. Blade and tang made from one piece high grade forged tool steel.

**ORDER NO. 5746786**

<table>
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<tr>
<th>PART NO.</th>
<th>CAPACITY</th>
<th>GRADUATIONS</th>
<th>DRIVE SIZE</th>
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<td>In. Lbs.</td>
<td>3/8&quot;</td>
<td>Fixed</td>
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**SHORTY TORQUE WRENCH**

Designed for use on small engines, automatic transmissions, and other applications requiring small accurate torque measurements. Wrench has floating ball handle and is graduated in inch pounds. 100 in. lb. capacity. 3/8" square drive fixed style head.

**ORDER NO. 5955359**

**REVERSIBLE SPIRAL RATCHET SCREWDRIVER AND PUSH DRILL**

2 TOOLS in 1

A Multi-purpose tool designed for use as a screwdriver as well as for drilling wood, plastics and soft metals.

- Exposed metal parts heavily plated
- Automatic Spring return
- Used for driving or removing screws
- High impact transparent handle with chrome plated cap holds blades and points
- Made in England for General
  - 1" Extended (250mm) 7/8" closed (166.8 mm)
  - Complete with 2 screwdriver blades, 1/4" and 5/32" and 2 drill points.

**ORDER NO. 5746812**

**BROKEN SCREW AND BOLT EXTRACTOR SET**

For removal of broken studs, set screws, pipe and ailments fittings. Screw extractor packaged in a plastic kit printed with complete information on bolt size, drill size, minimum depth of hole and pipe size. Includes the following, also available separately.

<table>
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<th>U.S.S. SCREW</th>
<th>STUB OR BOLT SIZE</th>
<th>DRILL SIZE</th>
<th>MIN. DEPTH OF HOLE</th>
<th>PIPE SIZE</th>
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</tr>
</tbody>
</table>

ORDER NO. 5975454

**9 PIECE SCREWDRIVER SET**

Includes the most popular sizes and a handy hole starter. Set comes in handy plastic carded tray which has an eyelet for wall mounting. Also contains handy ratchet screwdriver which allows tightening and loosening fasteners in the most restricted spaces. Every workbench and tool box should include this popular set.

**CONTENTS:**
- Standard Pocket Screwdriver
- Standard Stubby Screwdriver 1/4" x 1-1/2"
- Standard Screwdriver 3/16" x 1-1/8"
- Standard Ratchet Screwdriver 1/4" x 1-1/8"

**ORDER NO. 5740721**

**COMBINATION WRENCH SET**

*(9-pc. Plus Pouch)*

**SIZES:**

- 1/4" 5/16" 3/8"
- 7/16" 1/2" 9/16"
- 5/8" 11/16" 3/4"

**ORDER NO. 5757374**

**20-PC. ALL PURPOSE SOCKET SET (PLUS BOX)**

**DESCRIPTION**

- 7/16" 6pt. Std. Skt.
- 1/2" 6pt. Std. Skt.


- 1/2" Extension
- 3" Extension
- Ratchet
- Plus Metal Box 1-1/2" x 1-1/2" x 3"
CRIMPING AND WIRE TOOL KIT

This excellent tool set is an absolute necessity for cutting, crimping and general wire repair. Complete with most popular wire terminals and connectors.

ORDER NO. 5955289

CONVERTIBLE RETAINING RING PLIER

This handy multi-purpose tool makes retainer removal or replacement quick and easy! This special tool is 12 tools in 1. With a simple push of the button, you can change the action from ring spreading to ring compressing. And, you can do this with 6 different size tips including two different sizes of offset needles. This tool will work on all types of locks and comes with a one year guarantee. Replacement tips are available.

ORDER NO. 5746647

MIDGET Plier SET

Designed to use in those hard to reach places. Perfect for lock and alarm work. Ideal for working with automotive locks, removing them from the dash, glove box, or trunk. Ideal where space is restricted or on small parts.

ORDER NO. 5746715

COMBINATION INTERNAL EXTERNAL SNAP RING Pliers

Compresses internal rings in one position. Move the quick change reversing lever to expand external rings. Comes with four sets of color keyed tips in plastic box.

ORDER NO. 5951725

THROTTLE & CLUTCH WIRE CUTTING & CRIMPING Pliers

Cuts Wire To Desired Lengths And Then Crimps Perfect Bend In Wire. Also Used As General Purpose Side Cutting Pliers.

ORDER NO. 5951734

HEAVY-DUTY HAND RIVETER KIT

Interchangeable nozzle bushings fit right on the gun. Spring loaded handle for automatic ejection of mandrel. Smooth, easy, one-hand operation. Contour grip handle with vinyl cover for added comfort.

20-Piece 1/8" Rivets, 10-Piece 5/32" Rivets, 10-Piece 3/16" Rivets

ORDER NO. 5971744

METAL STORAGE CASE

Hundreds of uses:
- Home
- Shop
- Farm
- Industry
BENCH VISE

This rugged heavy duty vise has a 360° swivel base, drop forged steel jaws, chrome plated screw for smooth operation. The oversized heat treated steel jaws are replaceable for added years of use. Polished anvil back. Positive locking action. Engineered to work easily and efficiently for long life and service.
ORDER NO. 5975352

MULTI-ANGLE SWIVEL-ACTION PORTABLE VACU-VISE

- SWIVELS 360°
- TILTS 90°

This portable vacu-vise has a swivel-base feature. A necessary tool for every locksmith. It has an adjustable head that swivels 360°, tilts 90° — locks into any position. No need to bend down to small delicate work — tilt it in your direction! No locksmith shop is complete without it!
ORDER NO. 5746682
Vacu-Vise

HOLE SAW KIT FOR METAL DOORS

These hole saws are constructed with a high speed cutting edge welded to a resilient alloy back. They will saw 1 1/4" deep holes in any material that can be cut with a hack saw blade. Anything from wood to plastic to harder metals such as stainless steel. This kit has all the sizes you need to install popular locks, deadbolts, drawer locks, file cabinet locks, etc. Also included are 4 pilot drills and a screwdriver. All neatly packed in a heavy duty compact carrying case. Order your kit today and be ready for any lock installation. Sizes included: 1/4", 5/32", 1/8", 5/32", 1/4", 3/16", 5/32", 1/4", 1/4", 3/16", 5/32".
ORDER NO. 5747289

5-PIECE HOLE SAW SET

Set includes 5 basic hole saws — 1/4", 5/32", 3/16" and 1/4" — and a mandrel for use on wood, plastic, plastic and light metal. Heat treated steel saws cut concentric holes quickly. Fits all electric drills and are interchangeable with Black & Decker, Stanley, Nicholson, Millers Falls, and Sears. Packaged in a durable plastic box.
ORDER NO. 5747037

VISE-GRIP LOCKING HAND TOOL SET

Only the finest high-grade alloy steel is used in Vise-Grip tools. Each tool is heat-treated for maximum toughness and durability. Designed to give years of trouble-free service. Set includes: 1-5 in. and 1-10 in. model with wire-cutting feature.
ORDER NO. 5746928

TOOL MAGNETIZER

This new tool instantly magnetizes or demagnetizes small tools. To magnetize: Insert tool into magnetizer several times. Remove magnetizer and tool is now magnetized.
To demagnetize: Pull tool over rounded side of magnetizer cover. Magnetizer can be left on tool if desired. Ideal for magnetizing screwdrivers, wrenches and other small tools. Magnetize the end of long steel rod to use as a retriever of keys locked in the trunk or pull them through a window that is barely open. Use also for speeding up repair and assembly work, retrieving small parts, cleaning up filings and scraps.
ORDER NO. 5747314
**MAGNETIC BASE COOLANT ATTACHMENT**
Sprays atomized coolant on grinding wheel. Saves time and money. Permits heavier cuts on each wheel pass. Cools grinding operation. Increases the efficiency and life of the wheel. Must be used with a compressor.
ORDER NO. 3579410

**CIRCULAR SAW SHARPENER**
This popular unit lets you convert any ordinary bench grinder into a low-cost saw sharpener. A perfect back-up for the busy shop. Tilting saw arbor allows for accurate bevel-grinding right or left from 0 to 30-degrees. Tapered cone centers saws with arbors from 1/2 to 1 1/2 inches. Shipped complete with 6 x 3/16-in. grinding wheel to fit 3/4, 5/8 and 1/2-in. shafts; dressing brick and operating instructions.
CATALOG NO. 2330300

**ONE-WAY TAMPER-PROOF SCREW ASSORTMENT**
- Just the right amount of every size
- Replace conventional fasteners with one-way screws
- Durable compact compartmentalized boxes
- Handy lid chart for easy reference
Contains over 325 screws to solve hundreds of security problems.
ORDER NO. 5786988

**WING NUTS**
175 PIECES
For all uses. Part No., price area and size printed by the photo of part.
ORDER NO. 5966019

**WASHERS—STAR, LOCK, FLAT**
720 Washers
Every size and shape of washer you will normally use on engines. Keep this assortment at your bench.
ORDER NO. 5966023

**ALLEN SOCKET HEAD SCREWS**
106 PIECES
9 Sizes of Screws. A fast moving, low cost assortment. Order re-stock as needed from handy Part No., description in box.
ORDER NO. 5966026

**ROLL PINS — 315 PIECES**

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<td>10</td>
</tr>
<tr>
<td>1/8</td>
<td>1 1/4</td>
<td>10</td>
</tr>
</tbody>
</table>

**PEG BOARD HOOKS**
PERFECT FOR YOUR KEY BOARDS
Use these heavy duty hooks to display your key blanks or locks and retail items. This strong husky longer lasting hook fits 1/8" and 1/4" panels. The prong is formed of 3/16" rod. Plenty strong for large items yet not too bulky for the smallest card or key. Three popular lengths available.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>5787180</td>
<td>2 1/2&quot;</td>
</tr>
<tr>
<td>5787181</td>
<td>4 1/2&quot;</td>
</tr>
<tr>
<td>5787182</td>
<td>6 1/2&quot;</td>
</tr>
</tbody>
</table>

ORDER NO. 5960009
The 684 JOINTER/PLANER/MOLDER GIVES YOU 3 MOST NEEDED TOOLS... so you can perform “no compromise” woodcrafting.

MODEL 684
ORDER NO. 4540684

MODEL 804
ORDER NO. 4540804

JOINTING
(Model 684 only)
The jointer on the Model 684 lets you square the concave surface or edge on twisted, cupped or warped lumber into cabinet-quality, straight true boards. Typical wood looks like the board shown above. Passing the concave surface over the jointing table gives a flat smooth surface on one side. The fence of the jointer them serves as a guide for this true surface. A second pass will result in one edge being milled flat, smooth and, most importantly, at 90° to the first surface.

PLANING

Even after jointing, a convex or tapered surface is likely to remain. Milling of this type can only be accomplished on a thickness planer. An adjustable table below a stationary cutterhead assures boards are planed to an exact thickness. Because the board has already been jointed, a perfect board with parallel sides at 90° corners is produced. You now have wood that will give your projects flush, smooth, even surfaces that can be worked on other tools to produce the exact results you desire.

MOLDING

Or, take your Model 684 or 804 that one extra step. As simply as changing a knife, you can produce molding of the finest quality for use in grandfather clocks, master-crafted furniture or cabinets of never before obtainable precision. Only the constant feed speed giving the same number of knife cuts-per-inch throughout the length of the molding can produce this type of unmatched quality. You also get large capacity and flexibility that permits you to make molding up to 8” wide in any pattern you choose.

JOINTING SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model 684 Jointer-Planer-Molder Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum width of cut: 6 1/2”</td>
</tr>
<tr>
<td>Maximum depth of cut: 1 1/2”</td>
</tr>
<tr>
<td>Knife cuts per minute: 12,000</td>
</tr>
<tr>
<td>Bed length: 36”</td>
</tr>
<tr>
<td>Bed height: 35 1/8”</td>
</tr>
<tr>
<td>Height to top of fence: 40”</td>
</tr>
</tbody>
</table>

SPECSIFICATIONS

<table>
<thead>
<tr>
<th>Model 684 Jointer-Planer-Molder and Model 804 Planer-Molder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum width of stock: 8”</td>
</tr>
<tr>
<td>Maximum depth of cut: 5/32”</td>
</tr>
<tr>
<td>Minimum thickness: 1/4”</td>
</tr>
<tr>
<td>Feed speed: 28-36 fps</td>
</tr>
<tr>
<td>Cuts per inch: 36</td>
</tr>
<tr>
<td>Specimen unit length: 28 1/2”</td>
</tr>
<tr>
<td>Unit of stock: 10”</td>
</tr>
<tr>
<td>Maximum width of cut, molding: 8”</td>
</tr>
</tbody>
</table>

This page explains the features, capacities and specifications of our Model 684 (which includes a 6-inch Jointer) and Model 804 Planer-Molder (picted at left). Except for extra features included with Jointers, both machines are identical.
MOLDING EQUIPMENT

MODEL 910
ORDER NO. 4500010

PLANES up to 12½” wide, up to 6” thick
MOLDS face up to 12” wide, edge up to 6” wide
SAWS up to 2¼” thick
SELF FEEDS at 12’ per minute

MODEL 912
ORDER NO. 4500012
Same as the Model 910, but without sawing attachment. This versatile power tool features an extra extension table on the infeed side in place of the saw table. Giver you a full 42 inch bed length.

PLANES up to 12½” wide, up to 6” thick
MOLDS face up to 12” wide, edge up to 6” wide
SELF FEEDS 12’ per minute

PLANING — Cutterhead uses three planer knives to surface stock up to 12¼-in. wide and up to 6-in. thick. Above photo shows a full 12-in. wide board coming out surfaced on one side.

FACE MOLDING — This board is emerging sawed to width, planed to the desired thickness and molded for baseboard use, all with power feed.

EDGE MOLDING — Tongue-and-Groove Molding is a simple operation. One of many molding operations possible by easily and quickly changing the cutters.

SAWING — Rip stock up to 2¼ inches thick and surface it to desired thickness and pattern in one continuous pass... all by power feed.

SPECIFICATIONS:

SAWING
Maximum width 12½-inch, maximum thickness 2¼-inch
Face up to 12-in. wide and edge up to 6-in. wide
Maximum depth of cut with pass 3/16-in.
Maximum thickness of stock 12-1/4-in.
Minimum thickness stock 3/16-in.
Shortest piece (not buttled) 7-in.

FEED SPEED
Standard 12-fpm, per minute, optional 22-fpm, per minute
80 at 4,000 R.P.M. cutterhead speed, 15 ft. feed speed

OVERALL SIZE
24-in. wide x 46-in. long x 16-in. high.

CUTTERHEAD
3-knife solid round steel, 3¼-in. diameter

BEARINGS
1¼-in., self-aligning, ball bearings

BED SUPPORTS
Four corner screws, synchronized with endless roller chain and sprockets. Each complete turn of control handle moves bed 1/16-in.

POWER REQUIRED
2 to 5 HP (We supply 3.8-in. diameter 2-groove drive pulley. Use 9-in. diameter pulley on 1740 RPM motor or 5-in. diameter pulley on 3450 RPM motor.)

3 HP for moderate duty, 5 HP for heavier use or faster feed.
Mandrel — is 3/8" diameter (reduced to 1/4" at saw end), 56" long. High strength steel shaft runs in precision ball bearings.

Fingertip pressure on control handle — lightens feed belts to give smooth, steady feed at any rate between 0 and 1.53 inch each saw revolution. Gigs back at triple speed.

Upright Scale — has column marked to show inches of headblock movement to vary thickness. Heavy steel seatworks shaft assure even advancement of headblocks.

Upright board splitter — keeps board away from back side to eliminate binding.

40-INCH inserted tooth blade — is preferred by experienced sawyers. Teeth are quickly removed with 1/8 wrench when worn which maintains full diameter of blade and minimizes filing.

Five grooved guide rollers — on front side and five smooth rollers on back side are mounted under carriage of electrically welded frame. Rollers turn on hardened steel axles with friction-free roller bearings. Front grooved roller self-center on rib of double angle iron guide track which smooth rollers ride on solid flat track.

Variable-Speed Power Feed — lets you operate mill with as little as 25 HP. Forward feed variable from 0 to 1.53 inch each saw revolution. Gigs back at triple speed. Full slipping V-belt gets power direct from mandrel shaft. Fitted complete with all pulleys, belting, cable and attachment bolts.

Adjustable Saw Guide — can be quickly adjusted without tools.

Easily handles the larger logs up to 14 ft. in length and up to 18 in. in diameter.

Sawmill Only — Order No. M-14
Steel Base Only — Order No. G4400

CUSTOM DESIGNED ADVERTISING AND SALES AIDS

SHOP SIGNS. An economical, effective way to advertise your services. Made of tough, durable, white vinyl. Completely waterproof. Adhesive back sticks to wood, plastic or metal surface. No. 2124276

BUSINESS CARDS. These professional quality business cards are an ideal way to advertise your services. Available with your company name, address and telephone number imprinted. No. 2124109

STATEMENTS. Keep your regular accounts in an orderly manner through regular use of these business statements. Give one to each customer when he picks up his tools. Make a carbon copy for yourself and have a permanent record of each customer. No. 2124108

SHOP TAGS. A handy item to tag and identify your customers tools. Available with your company name, address and telephone number imprinted. No. 2124113

POCKET PATCH. Bright green on a crisp white background. All patches are made of wear-resistant washable materials. No. 2124305

FOLEY-BELSAW CRAFTSMAN'S CAP. Bright Red Cap. Foley-Belsaw emblem is Red, White and Black. No. 2124301
PROFITS GROW
WHEN YOU BECOME
A FACTORY
TRAINED PRO

The knowledge you receive today will pay off BIG in future CASH PROFITS.

You and the quality service you provide are the biggest cash money-makers in your saw and tool sharpening business. Your business grows each day when you let our experts show you how to start and operate a profitable sharpening business...how to increase the profits from your present shop. Learn shortcut techniques and "tricks of the trade"...You get personal instruction PLUS "hands-on" training from the pros who wrote the book on sharpening for a profit.

SEND YOUR ENROLLMENT TODAY TO RESERVE PREFERRED CLASS DATES!

To assure that you receive individual, personalized attention from our expert staff of instructors, we accept only a specified number of students for each class. We must accept enrollments on a first-come basis, so to receive the class date you prefer (even several months off) we urge you to send the Enrollment Form right away and avoid disappointment.

A small deposit reserves any date (subject to availability), and you are fully protected by our 2-Way Tuition Protection Agreement.

The Saw & Tool School is devoted to proper machine operation, starting and building a business, and concentrates on the broad spectrum of regular steel and carbide saws and tools.

SAW AND TOOL MAINTENANCE SCHOOL — You get classroom instruction and actually operate the equipment that sharpens regular steel and carbide saws and tools. You’ll learn all about handsaws, circular saws, chainsaws, dado’s, clippers and all types of carbide and steel edge tools. You get supervised instruction operating Foley-Belsaw equipment with ample free time scheduled to let you receive additional assistance in areas of your particular needs and interest.

Business guidance sessions are devoted to how to charge for your services, how and where to advertise, what markets are most profitable in your locality, and other general business practices.

YOU TAKE NO RISK WITH FOLEY BELSAW’S 2-WAY TUITION PROTECTION AGREEMENT — If for any reason you find you are unable to attend school on the dates you reserve, by simply notifying us 10 days in advance you have the option of selecting an alternate starting date, or to cancel your enrollment and receive full refund of any tuition fees or deposit paid in advance.

In addition, once your enrollment is accepted and confirmed by Foley-Belsaw, should we find it necessary to increase tuition fees, we guarantee your enrollment at the tuition rates in effect at the time you enroll. Register NOW for the dates you prefer!

THE TUITION FEE COVERS EVERYTHING!

- LODGING — Reserved rooms are provided at the Inn at Executive Park. This modern facility is conveniently located near Foley-Belsaw headquarters and school facilities. Complete with all the luxuries you want including game room, indoor/outdoor pool and lounges. Your fee provides for double occupancy with a fellow Foley-Belsaw student. Different accommodations can be made with prior notice. Rooms are available the evening prior to the start of class throughout checkout time the last day of your class.

- ALL MEALS — We provide all meals during your stay, beginning with dinner on the evening prior to the first day of class, through lunch on the last day of class. Breakfast and dinner are ordered direct from the menu and your only limit is how much you can hold. Lunch will be catered to provide maximum effective use of class time. Special diets can be accommodated with sufficient advance notice of your special requirements.

- STUDENT MATERIALS — All equipment and supplies you will use at the school are furnished, including saws and tools for practice, shop coats and required safety equipment. Everything you need to complete your training is provided for you — no "extras" to buy or rent...no additional fees of any kind.

- TRANSPORTATION — We supply your transportation to and from school daily. If you arrive by airline the Inn at Executive Park provides a shuttle service.

- DIPLOMAS — Upon completion of the school you receive a handsomely framed Certificate of Completion recognizing your accomplishments. This certifies your expertise as a Foley-Belsaw Factory Trained Professional.

CLIP OUT AND MAIL

☐ Yes, I am interested in learning how to increase the profit of my sharpening business. Please send me enrollment information on the Foley-Belsaw 5-Day Saw and Tool Sharpening School. Let me know if you have openings on:

Month    Day    Year

To receive additional information on the areas listed below, simply check the box and mail to Foley-Belsaw.

☐ 910-912 Planer/Molder/Saw
☐ 684-804 Jointer/Planer/Molder
☐ M-14 One-Man Sawmill
☐ Modern Upholstery
☐ Vinyl-Pro
☐ Small Engine Repair
☐ Professional Locksmithing
☐ Outdoor Power Equipment Parts Catalog

Name

Address

Town  State  Zip

HOT-LINE REGISTRATION

Reserve the class date you prefer by placing our Registration Department TOLL-FREE at 1-800-821-3452 and send Enrollment Form by mail. Completed application must be on file before we can process your enrollment.