CRAFTSMAN

POWER TOOLS

COMPLETE LINE OF 1950 MODELS

SEARS, ROEBUCK AND CO.

SATISFACTION GUARANTEED OR YOUR MONEY BACK
SEARS EASY PAYMENT PLAN

"I equipped a complete shop with only a small down payment on Sears Easy Terms"

Only a 10% down payment... terms as low as $5 a month

Yes, it is actually possible to equip a complete power tool workshop for only a few dollars down on Sears Easy Payment Plan. There's no need to buy the tools for your shop one at a time in a hit-or-miss fashion, just because you don't have to have the ready cash or don't wish to disturb your savings. You can carefully plan your shop and buy all the tools you need NOW... all at one time... and pay for the shop while you are using it. Above, you will find a few examples of the small down payments necessary to buy power tools from this catalog.

You can buy anything in this catalog on Easy Terms if your purchase totals $20 or more. It takes only a 10% down payment with your purchase, and the balance in convenient monthly payments. See the table at right for the amount of monthly payments. Any of our sales people will be glad to give you further information.

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SEARS GUARANTEE

• TO DELIVER ALL MERCHANDISE SAFELY

• TO SATISFY YOU PERFECTLY

We guarantee that every article in this catalog is honestly described and illustrated. We guarantee that any article purchased from us will give you the service you have a right to expect.

If for any reason whatever you are not satisfied with any article purchased from us, you want to return it to us, we will then exchange it for exactly what you want, or will return your money.

SEARS, ROEBUCK AND CO.

NOTICE ABOUT PRICES

We reserve the right to change the price of any item in this catalog if it becomes necessary to do so.

Furthermore, should the Federal Government or any State increase by taxes or otherwise the cost or selling price of any of the merchandise shown in this book, we reserve the right to add such taxes or other increases of cost or selling to the prices shown.

The prices shown in this catalog are good for the continental United States only.
Extra heavy Duty ... By far the finest Bench Saws we've ever sold

Greatly improved models ... even much better than the tremendously popular tilting arbor saws we sold before the war. Rugged ... massive ... precision built. Meet the most rigid requirements of professional craftsmen and industrial shops.

Table is never tilted. Saw blade and arbor are rigidly supported in massive cradle and trunnions ... tilt any angle to 45° ... raise and lower to vary depth of cut. Belt is never twisted because motor, blade and arbor tilt together as a unit.

High speed precision ball bearings packed in grease; sealed against dirt. Heavy cast semi-steel table. Has replaceable insert for dadoing and sanding. Rip fence locks at both ends with one handle; can be used on either side of blade. Miter gauge has stop rods for repetitive cuts.

Automatic leveling guard tilts with the blade; has transparent plastic insert. Guard has non-latchback pawls and splitter. Sawdust chute. Motors are ball bearing, capacitor, 3450 R.P.M. includes guard, miter gauge, repetitive stop rods, V-belt, machine and motor pulleys.

Specifications:
- Depth of cut, maximum...
- Combination blade...
- Table size...
- Dado capacity with 6-in. dado saw... width...
- Arbor size recommended...
- Motor recommended...
- Machine pulley (included)...
- Motor pulley (included)...
- Mounting dimensions...
- Over-all dimensions...

6-inch model... 6-in. diameter... 8-in. base... bore...
10-inch model... 10-in. diameter... 8-in. base... bore...

$87.50 CASH
Without Motor
$900 DOWN ON TERMS

$76.50 CASH
Without Motor
$800 DOWN ON TERMS

Blade tilts instead of table for easier more accurate work. Table is always level.

9 A 2259—Table Extension Bracket. For attaching wood side extension to either of above saws. Packed one bracket per package. Shipping wt. 1 lb. 3 oz. ... 80c
9 A 2212—Dado Insert for either of above saws. Shpg. wt. 12 oz. ... 90c
9 A 2283—Sanding insert for either saw above. Shpg. wt. 12 oz. ... 90c
9 A 2254A—For 8-in. saw above. 20x10 in. ... 9.50
9 A 2276A—For 10-in. saw above. 27x10 in. ... 10.50

ROSE TOOLS, INC.
ROSE TOOLS, INC.

NEW 8" Tilting Arbor Bench Saw

A brand new design! Has many quality features you’ll find in no other tilting arbor bench saw on the market.

Double-row, sealed precision ball bearings... permanently lubricated at factory... need no further lubrication... ever!

This superb heavy duty Bench Saw is entirely new in every way. New design, new construction... new features... CRAFTSMAN quality. We know of no other tilting arbor bench saw at any price which will give more accurate performance. This exceptional accuracy is due to special features and the very close machining tolerances maintained in its manufacture. Easily meets the most rigid requirements of amateur and professional craftsmen and large woodworking shops.

Three important exclusive features. (1) Tilting, raising and lowering of blade all controlled by ONE hand wheel. (2) Floating motor mount automatically controls belt tension. (3) Motor is attached to special support on bench behind saw for smoother operation, easier tilting, and greater protection for motor from sawdust. Eliminates necessity for using special enclosed type motor.

Big 20x17-inch smooth ground table of heavy cast semi-steel. Has removable insert for dadoing or sanding. Grooved on both sides of blade for use of miter gauge.

Quick-acting rip fence locks at both ends with one handle. Alignment of fence is assured at all times because control surface locks against front of table rather than against a guide bar. Fence can be used on either side of blade.

Many other quality features. Because of a special mechanical arrangement, arbor is tilted more rapidly than on ordinary tilting arbor saws, without loss of accuracy.

Automatic leveling guard tilts with blade; has non-kickback paws and splitter. Accurate gauges show depth and angle of cut. Has built-in sawdust chute. Accurate miter gauge included. Has many other features and refinements in design which we don’t have the space to describe here.

SPECIFICATIONS:
- Depth of cut, maximum: 2 3/4 inches
- Table size: 20x17 inches
- Dado capacity (maximum, with 6-inch head): 1 1/4 inches
- Blade (combination type): 1 1/4 inches
- Bore: 7/8 inch
- Bearings: Double row precision ball bearings
- Recommended arbor speed (approx.): 4500 R.P.M.
- Motor recommended: 3/4 H.P., 3450 R.P.M.
- Machine pulley (included): 2 inches
- Motor pulley (not included): 2 1/2 inches
- Mounting dimensions: (bolt holes) 11 1/2x11 1/2 inches (extreme of saw and motor brackets) 19 1/4x19 1/2 inches.
- Over-all dimensions: Height 45 inches; width 17 inches; length 26 3/4 inches.

9 AM 2388—Without motor. Shpg. wt. 72 lbs. $54.50
9 AM 2398—With 1/4-H.P., 3450 R.P.M., ball bearing capacitor motor for 110-120 volt 60-cycle A.C.: 2 1/4-inch motor pulley; and 3x40-inch V-belt. Shpg. wt. 109 lbs. $83.50

High Quality Accessories for Above Bench Saw

A Side Table Extension. Cast semi-steel. 20x17 in. Makes total table size 34x20 in. Bolts to regular saw table. Includes rip fence guide bar extension and fittings. 9 A 2358—Shipping weight 37 pounds... $15.00

B Front or Rear Table Extension. New roller type extension which increases capacity of table without disturbing the rip fence set-up on the saw. 9 A 2356—Shipping weight 7 lbs. 8 ozs. $4.75

Dado Insert. For use on the saw shown above, when doing dado work. Strongly made of steel. 9 A 2405—Shipping weight 10 ounces... $80.00

D Instruction Book. "The Circular Saw." A handy 32-page instruction book with over 150 illustrations, showing you how to get the most out of your bench saw, electric hand saw, swing saw, builders' saw and radial saw. 9 A 2996—Shipping weight 2 ounces... $5.00

With- out

motor
$54.50
Cash
$5.50
DOWN... ON EASY TERMS
OUNLAP 8-inch

Tilting Table Saw

This new OUNLAP 8-inch Bench Saw has rugged, heavy duty construction throughout. Massive cast semi-steel base encloses mechanism. Notice the extra table size...extra capacity. 16½ x 21¾-inch cast semi-steel table tilts 0 to 45 degrees. Grooved on both sides of blade for mitering. Has removable insert for dadoing. Accurate angle gauge. Self-lubricating porous bronze bearings with oil reservoirs around each.

Self-aligning rip fence may be used on either side of blade. Adjustable guard, accurate miter gauge, splitter, rip fence, and combination blade included. See below for table extension.

SPECIFICATIONS:
- Depth of cut, maximum: 2½ inches
- Blade: 8-inch combination type with ¾-inch bore
- Table size: 16½ x 21¾ inches
- Table size with extensions (not included): 23½ x 26¾ inches
- Dado capacity, maximum, with 6-inch head: width: ¾ in.; depth: 1¾ in.
- Bearings: Self-lubricating porous bronze
- Recommended arbor speed (approximate): 4500 R.P.M.
- Motor recommended, minimum: 1½-H.P. 1750 R.P.M.
- Machine pulley (included): 2 inch
- Motor pulley (not included): 5 inch
- Mounting dimensions: 11½ x 19½ inches
- Over-all dimensions: Height 15 inches; width 12¼ inches; length 20¼ inches

99 A 02288—Without motor. Shipping wt. 60 lbs. $34.50
99 AM 2382—With 1½-H.P. 1750 R.P.M. capacitor ball bearing motor for 110-120 volt A.C., ¾-inch motor pulley, 5g x 8-inch V-belt. Shipping weight 95 pounds. $61.00

Table Extension

Designed for use with the OUNLAP 8-inch Saw above. Increases the total working surface of saw table from 16½ x 21¾ inches to 23½ x 26¾ inches. Set consists of two smooth stamped steel side extensions, each 5½ x 10¾ inches in size, plus all necessary support bars and fittings for attaching extensions to saw. One extension is mounted on each side of table. Rip fence can be used over the entire length of the extensions. Easily installed.

9 A 2174—Shipping weight 7 pounds 8 ounces. $5.00

OUNLAP 7-inch

Tilting Table Saw

You'd expect to pay much more for a well-made, efficient bench saw like this. An ideal saw for home or small workshop use. Notice the safe, fully enclosed design. 14½ x 10½-inch cost semi-steel table tilts 0 to 45°. Efficient ball crank and gear mechanism raises and lowers table to adjust depth of cut. Accurate depth of cut and angle gauges. Self-lubricating porous bronze bearings with oil reservoirs around each.

Self-aligning rip fence may be used on either side of blade. Adjustable guard, accurate miter gauge, splitter, rip fence and blade are included with this saw.

SPECIFICATIONS:
- Depth of cut, maximum: 2¼ inches
- Blade: 7-inch plain tooth combination blade with ¾-inch bore
- Table size: 14½ x 10½ inches
- Extensions: Not available
- Dado capacity, maximum, with 6-inch head: width: ¾ in.; depth: 1¾ in.
- Bearings: Self-lubricating porous bronze
- Recommended arbor speed (approximate): 4500 R.P.M.
- Motor recommended, minimum: 1½-H.P. 1750 R.P.M.
- Machine pulley (included): 2 inch
- Motor pulley (not included): 4 inch
- Mounting dimensions: 0. Height 11½ inches; width 10½ inches; length 17½ inches
- Over-all dimensions: Height 11½ inches; width 10½ inches; length 17½ inches

99 A 02169—Without motor. Shipping wt. 36 lbs. $23.50
99 AT 2191—With 1½-H.P. 1750 R.P.M. split phase bronze bearing motor for 110-120 volt A.C., 1½-inch motor pulley, 5g x 8-inch V-belt. Shipping weight 63 pounds. $36.50
The blade, guard, arbor and motor are mounted on the rugged carriage that rolls smoothly on 6 ball bearing rollers. All working parts are below the table surface. Out of the way.

Craftsman “100” Builders’ Saw

Faster...easier...lumber remains stationary while saw blade is pulled through

Heavy duty construction. Will stand up under steady production use. Sturdy steel frame, legs and side panels welded into one solid unit. 35x24-inch table top is one-piece steel, stamped and coined. Sturdy ribbing braces are welded to undersides. Table has removable insert for dadoing, sanding, etc.

Two miter gauges. Left hand gauge is used when work is stationary and blade is pulled through. Right hand gauge is used when blade is stationary for small cuts. Rip fence locks at both ends for greater accuracy. Arbor is mounted on two roller type needle bearings.

SPECIFICATIONS:
- Depth of cut, maximum: 3 inches
- Blade, combination type: 10-inch diameter 5/8-inch bore
- Bearings: arbor: 2 sets of roller needle bearings
- Carriage rollers: 6 sets of ball bearings
- Dado capacity: with 6-in. dado saw
  - Width, maximum: 11 1/2 inches
  - Depth, maximum: 2 inches
  - Distance in front of blade (at miter gauge): 15 inches
  - Arbor speed recommended (approx.): 4200 R.P.M.
  - Motor recommended, min. H.P.: 3/4 H.P., 3450 R.P.M.
  - Machine pulley (included): 2 1/4-inch
  - Motor pulley (included): 3-inch
  - Switch (included): 2 H.P. capacity
  - Carriage travel, maximum: 15 1/8 inches
  - Miter cut, maximum: 45° x 15 inches
  - Miter graduations L. H.: 1° in 180° radius
  - Miter graduations R. H.: 1° in 180° radius
  - Table height: 33 inches
  - Over-all dimensions: Height (including handle): 40 inches; length: 15 5/8 inches; width: 27 inches.


Without Motor $97.50 CASH

$950 DOWN...ON EASY TERMS
**CRAFTSMAN 8-inch Electric Hand Saw**

**Improved! Now better than ever! Cuts 10 times faster than by hand!**

- SKF precision ball bearings throughout; double sealed. Helical-cut alloy steel gears; one Zerk fitting lubricates all gears. Telescoping guard rotates on needle bearings. Built-in sawdust blower. Enclosed trigger switch. Knob handle on left side for one-handed operation. Heavy duty universal G.E. motor rated at 1-1/2 H.P. will develop 154 H.P. New-type steel carrying case is very handy; base acts as bench stand for saw; has compartment for extra blades, wrenches, etc.
- With 8-inch combination blade, 10-ft. 3-wire rubber covered cord, unbreakable plug, tube of lubricant, wrench and carrying case.

**SPECIFICATIONS:**
- Depth of cut, maximum: vertical position ............... 2-3/4 in.
- 45° position ............... 2 inches
- Blade (included) diameter ............... 8 inches
- Bore ............... 1/8 in.
- Combination type ............... combination
- Free blade speed ............... 5300 R.P.M.
- Blade adjustment: for depth of cut 0 to 2-3/4 in. for angle of cut 45° to 90°
- Motor: General Electric, universal; 110-120 volt 25 to 60-cycle A.C. or D.C.
- Switch: Non-locking trigger type, enclosed
- Over-all dimensions: Height (with handle) 11 in.; length 15-3/4 in.; width 10 in.

**Accessories:**
- Extra Blade
- Cut-off Wheel
- Extension Cord
- Lubricant

**Price:**
- $97.50 CASH
- $10 DOWN ON SEARS EASY PAYMENTS

**Weight:**
- 18 lbs

**Shipping Weight:**
- 18 lbs

**Specifications:**
- 9 A 4940—Extra 8-inch Combination Blade.
- 9 A 6425—Cut-off Wheel. For concrete, tile, metal, etc. 8-in. diameter; 1/8-in. thick.
CRAFTSMAN
HEAVY-DUTY SWING SAW

Blade of heavy-duty swing saw is pulled through lumber; this method is much faster and easier than pushing lumber through the blade.

Specially designed to give YOU every thing you need and want in a swing saw!

- Portable . . . Swivels 0° to 90° either to right or left
- Fast, free and easy operation . . . 3-inch depth of cut with a 10-inch blade
- Sturdy cast iron base, elevating arm, and heavy ground steel column
- Swing arm automatically returns blade to retracted position after operator releases handle

Now you can do those dadoing, ripping, mitering and cut-off jobs in record time! The CRAFTSMAN Swing Saw does the job so quickly, so easily, so accurately. No wasted motion! Just pull saw through lumber. Spring helps blade back to retracted position ready for next cut. It's the ideal tool for production use in lumber yards, shipping rooms, millwork plants and other industrial plants.

Built for heavy-duty production work. Base and elevating arm of cast iron with heavy 3-inch ground steel column make main frame rigid and sturdy. Elevating screw raises and lowers elevating arm using free-operating elevating hand wheel. Swivel permits miter or bevel cuts that are accurate because protractor indicates angle of cut to 1 degree. Swivels 0 to 90 degrees either to the left or right. Pivot locks swing arm in vertical position for ripping and dado work. Another pivot locks at 0, 45 or 90 degrees for miter cuts. Saw arm is ball bearing mounted and grease packed.

Depth of cut 3 inches when using 10-inch diameter blade. 12-inch diameter circular saw blades may be used with 1-H.P. motor. Dado capacity is 1 inch.

Extra safety. Adjustable and removable guard is provided to keep blade covered. Clamp keeps it in desired position. Easily removable belt guard . . . large enough to cover 2 V-belts. Saw can be partially disassembled quickly for ease in transporting. Equipped with 10-inch combination saw blade, 5 1/2-inch bore (12-inch blade can also be used with 1-H.P. motor); 3-inch diameter, 5 1/2-inch bore arbor pulley, and motor pulleys, and 5 1/2-inch V-belt. Over-all dimensions: 46 3/4 inches high, 21 1/4 inches deep, 24 inches wide.

99 AM 2439—Without motor. Shpg. wt. 151 lbs. $105.00
99 AM 2440—With 3-H.P., 3400 R.P.M. capacitor motor for 110-120 volt, 60-cycle, A.C. Shpg. wt. 193 lbs. $141.95
99 AM 2443—As above, but with 1-H.P., 3450 R.P.M. 115 or 230 volt 60-cycle A.C. motor. Shpg. wt. 204 lbs. $150.95

Miter Gauge. . . . Saw Mandrels

A CRAFTSMAN Miter Gauge. Sealed from 30 to 90 degrees left and right. 1 1/2" x 1 1/2" x 1 1/2" inch bar fits in miter groove in table top. Fitted with adjustable stop rods for repetitive cuts. Chromium-plated knobs; other parts have rust-resisting cadmium-plated finish. Shipping weight 4 pounds. Shpg. wt. 5 lbs. 3 oz. $4.50

B CRAFTSMAN Bronze-bearing Mandrels, 2-Size 00. Inch double V-pulley for flat belt, single or multiple V-belt drive. Steel shaft; stamped steel flanges. Set collar takes up end play. Oil plugs. 14 1/2 inches long. Shpg. wt. 5 lbs. 5 oz. $1.75

C CRAFTSMAN Ball-bearing Mandrels. Streamlined cast iron housing. Improved, compact design. Oversize precision ball bearings grease sealed against dirt. Shpg. wt. 6 lbs. $3.95


E CRAFTSMAN No. 00 3-H.P., 3400 R.P.M. capacitor motor for 110-120 volt, 60-cycle, A.C. $141.95

ROSE TOOLS, INC.
Circular Saw Prices Cut up to 41%

Crosscut and Rip Saws

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Gauge</th>
<th>Hole, in.</th>
<th>R.P.M.</th>
<th>Shpg. wt.</th>
<th>Item</th>
<th>Price</th>
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<tr>
<td>6</td>
<td>18</td>
<td>3/4 or 5/8</td>
<td>6850</td>
<td>8 oz.</td>
<td>9A 4915</td>
<td>$1.59</td>
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<tr>
<td>8</td>
<td>18</td>
<td>3/4 or 5/8</td>
<td>6500</td>
<td>10 oz.</td>
<td>9A 4916</td>
<td>$1.89</td>
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<tr>
<td>10</td>
<td>16</td>
<td>3/4 or 5/8</td>
<td>5700</td>
<td>1 lb.</td>
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<td>$2.29</td>
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<td>12</td>
<td>14</td>
<td>3/4 or 5/8</td>
<td>4500</td>
<td>2 lbs.</td>
<td>9A 4918</td>
<td>$3.08</td>
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</tbody>
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DUNLAP. (Not illustrated.) Made of fine quality tough high carbon steel, hardened and tempered. Hammered to correct tension. Set and filed.

State center hole size and diameter wanted.

Dado Sets

<table>
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<tr>
<th>Diameter</th>
<th>Gauge</th>
<th>Hole, in.</th>
<th>R.P.M.</th>
<th>Shpg. wt.</th>
<th>Item</th>
<th>Price</th>
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<tr>
<td>35</td>
<td>17</td>
<td>3/4 or 5/8</td>
<td>4750</td>
<td>13 oz.</td>
<td>9A 4931</td>
<td>$9.95</td>
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<td>18</td>
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<td>3/4 or 5/8</td>
<td>4500</td>
<td>1 lb.</td>
<td>9A 4932</td>
<td>$1.69</td>
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<tr>
<td>16</td>
<td>16</td>
<td>3/4 or 5/8</td>
<td>3600</td>
<td>1 lb. 12 oz.</td>
<td>9A 4933</td>
<td>$2.39</td>
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</table>

CRAFTSMAN 6-inch Dado Set. Precision ground perfectly matched chippers. Tempered steel set includes two 3/4-inch thick outside saws, six 1/4-inch inside chippers.

$495

Lamb'swool Polishing Bonnet

| Fits over sanding plates. Polishes wax surfaces to a high finish. Shipping weight 8 oz. |
| 9 A 2539—Diameter 9 inches. Fits over 8-inch sanding plate. 1/4-inch pile. Each $1.40 |

Lamb'swool Polishing Discs. Fits on 1/4-inch spindle. Diameter 8 inches. Has 1/4-inch pile of genuine lamb'swool. Polishes waxed surfaces to high lustre.

9 A 2529—Shpg. wt. each 8 oz. Each $1.20

Sanding Wheel

| 8-inch diameter, 1/4-inch bore. Steel. Fits any 8-in. or larger bench saw, having 1/4-inch arbor. Has one medium and one coarse abrasive disc for wood, attached. State bore size. |
| 9 A 2272—Shipping weight 4 lbs. $2.50 |

Replacement Sanding Discs, for 9 A 2272 above, 8-inch diameter. 5-inch center hole fits over any arbor. Package of six assorted: 2 each of fine, medium and coarse grit. $57c

Cut-off Wheels

Rubber Bonded Aluminum Oxide—8-inch diam. by 7/4-inch thick. For 5/4, 5/4 or 5-inch shaft. 9 A 4447—State shaft. Shpg. wt. 1 lb. Each $1.98

Resinoid Bonded. 8-inch diam. 7/4-inch thick. For 5/4, 5/4 or 5-inch shaft. 9 A 4448—For steel sheets or tubing, etc. (aluminum oxide). Shpg. wt. 1 lb. Each $1.19

Bayflex Abrasive Wheels

Safest all purpose grinding wheel made. It's cotton felted, aluminum oxide impregnated and resinoid bonded. Use to replace hack saw, file, sharpening wheel or circular saw. 1-inch hole. Bushings furnished for smaller shafts.

$9.95

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Thickness</th>
<th>Grit</th>
<th>Shpg. wt.</th>
<th>Item</th>
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<td>50</td>
<td>12 oz.</td>
<td>9A 4450</td>
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<td>7</td>
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<td>120</td>
<td>12 oz.</td>
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<td>8,500</td>
<td>50</td>
<td>12 oz.</td>
<td>9A 4453</td>
</tr>
<tr>
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<td>8,500</td>
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<td>7,500</td>
<td>120</td>
<td>1 lb. 4 oz.</td>
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<td>50</td>
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<tr>
<td>8</td>
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<td>7,500</td>
<td>24</td>
<td>1 lb.</td>
<td>9A 4457</td>
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<tr>
<td>10</td>
<td>1/4-inch</td>
<td>6,000</td>
<td>120</td>
<td>1 lb.</td>
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<tr>
<td>10</td>
<td>1/2-inch</td>
<td>6,000</td>
<td>50</td>
<td>1 lb.</td>
<td>9A 4459</td>
</tr>
</tbody>
</table>

Power Tool
ROSE TOOLS, INC.

CRAFTSMAN
REG. U.S. PAT. OFF.

$175.00
Without motor
$175.00 DOWN... ON
EASY TERMS

CRAFTSMAN 3-wheel Band Saw

ACTUAL TESTS PROVE: blade is super-strong... cut over two miles of 2-in. yellow pine with no sign of blade failure. Machine is sturdier ever... ran continuously and perfectly for more than 500 hours while cutting over 25 miles of 1-in. yellow pine.

The brand new CRAFTSMAN "100" 3-wheel Band Saw is much more compact than conventional saws of same capacity, yet it has the same strength, accuracy and durability usually found only in larger saws. It's the finest we've ever sold! More accurate! More compact! Much stronger!

New sleek streamlined housing design gives an indication of what to expect in the way of smooth operation, hairline accuracy, exceptional safety, and faithful service. All operating parts except cutting edge of blade are completely covered. If blade ever breaks, it can't fly out. Even the mounting brackets are concealed. Table tilts from 0° to 45°.

Cuts to center of 24-inch circle. Makes curved or irregular cuts in wood up to 4 inches thick. Built-in blade tension device. Double row ball bearings are mounted as an integral part of the drive shaft to avoid any chance of misalignment. Double row of needle roller bearings on other two idler wheels. Rubber tires are freed by grinding and wheels are die cast and machined to close limits. Concreteness is assured! Blade alignment is more positive! You get a minimum of vibration!

SPECIFICATIONS:
- Depth of Throat: 12 inches
- Thickness of cut, maximum: 4 inches
- Table size: 12x12 inches
- Length of Blade (one 3/4-inch width incl.): 62 inches
- Width of Blade: 3 1/4 to 4 1/4 inches
- Bearings: 2 sets double row precision ball
- Machine pulley (included): 4-inch motor pulley (not included): 3-inch motor pulley: 3-inch minimum: 40-9/16 H.P.: 1750 R.P.M.
- Overall dimensions: Height 20 1/4 inches; width 12 inches; depth 28 1/4 inches
- Shipping weight: 73 pounds...

99 AM 2430—As above but with 3/4 H.P. 1750 R.P.M. ball-bearing motor (100-120 volt 60-cycle A.C.). 3-inch motor pulley, and 3x44-inch V-belt. Shipping weight 98 pounds...

$62.50

BAND SAW BLADES

CRAFTSMAN. Made of finest quality saw steel. Every blade is properly set and filed for recommended use. Shipping weight each blade 7 ounces. When ordering please state width wanted.

9 A 2660—For wood. 36 1/2 inches long; 3 1/4 or 3 1/2 inches wide...
9 A 2336—For wood. Skip tooth type. 58 inches long; 3 1/4 or 3 1/2 inches wide...
9 A 2661—For wood. Skip tooth type. 62 inches long; 3 1/4 or 3 1/2 inches wide...
9 A 2655—For wood. 63 inches long; 3 1/4, 3 1/2 or 3 3/4 inches wide...
9 A 2657—For wood. 78 inches long; 4 1/4, 4 1/2, 4 3/4 or 5 1/4 inches wide...
9 A 2653—For wood. 80 inches long; 5 1/4, 5 1/2, 5 3/4 or 6 inches wide...
9 A 2656—For bronze and non-ferrous metals. 80 inches long; 3 1/2 inches wide...
9 A 2624—For brass and non-ferrous metals. 80 inches long; 3 1/2 inches wide...
9 A 2625—For steel. 80 inches long; 3 1/2 inches wide...
9 A 2715—For wood. 132 inches long; 3 1/2, 3 3/4, or 4 inches wide...

Special Length Band Saw Blades
9 A 2669—CRAFTSMAN. Not brazed. Blades brazed for 35 each, in addition to prices below. State length and width wanted and if you want blades brazed. Shipped from factory in Chicago.

<table>
<thead>
<tr>
<th>Width</th>
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<td>1/4 inch</td>
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<td>7/8 inch</td>
<td>3 ounces</td>
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$44.50 CASH
$45.00 DOWN... ON EASY TERMS

99 AM 2431—As above but with 3/4 H.P. 1750 R.P.M. ball-bearing motor (100-120 volt 60-cycle A.C.). 3-inch motor pulley, and 3x44-inch V-belt. Shipping weight 98 pounds...

$62.50

8, SEARS ROEBUCK AND CO.
CRAFTSMAN Belt Sander

One of the most versatile and useful CRAFTSMAN Power Tools. It takes the hard tedious work out of sanding. Do curved and irregular work with the end drums and all types of flat work with 6-inch wide flat belt. Stop bars can be removed to enable you to sand extra long work on the belt.

**Position of belt sander easily adjusted.** Can be used in vertical position (as shown in small view at top of page) or any angle 0° to 90°.

Quick-change belt release. Rapid change from belt of one grit to another. Lever releases belt tension. Rubber-covered belt rollers act as sanding drums.

**Rugged construction.** Self-lubricating porous bronze bearings insure long life and smooth operation; oil well around each. Cast iron frame; gray enameled.

**SPECIFICATIONS:**
- Width of belt: 6 inches
- Table size—sanding belt table: 614 x 17 x 34 inches
- Bearings: 6 taper roller bearings
- Drum diameter: 8 inches
- Machine pulley included: 3-inch
- Motor pulley (not included): 3 1/2 inches
- Motor recommended: 1/2 H.P. 1750 R.P.M.
- Mounting dimensions: 7 1/4 x 15 3/4 inches

Comes with adjustable stop guard, sanding belt and 3-inch machine pulley.

CRAFTSMAN Belt Sander without motor, motor pulley or V-belt: $31.50

CRAFTSMAN Sanding Table. For Belt Sander 99 AM 2728. 614 x 12 inches. Can be tilted to any angle up to 45°. Use on left side of sander or at the end. Miter gauge included; fits slot in table. Ground cast iron; gray enameled.

9 A 2728—Shipping weight 9 pounds, 12 ounces...

Disc Sander. For Belt Sander 99 AM 2728. Use for end grain and small work.

9 A 2720—Sanding belt: 6-in. diameter. Shipping weight 2 lbs.

$3.25

Belt and Disc Sander Accessories:

  - 9 A 2727—Shipping weight 6 oz...

- Abrasive SANDING Discs. 9-in. diameter. Aluminum oxide on paper. For wood or metal. Six discs of same grit size in package. Choice of fine, medium or coarse grit. Please state grit wanted.
  - 9 A 2333—Shipping weight 6 oz...

- Disc Cement. Holds sanding discs to metal or wood sanding plates. Non-drying. Choice of 45 or 16 oz. sticks.
  - 9 A 2259—45-oz. shipping weight 6 oz...
  - 9 A 2259—16 oz. shipping weight 10 oz...

- Cement. Fastens abrasive discs to metal plates. Sets quickly, holds firm. Shipping weight 1 pound 2 ounces.
  - 9 A 2353—1/2 pint...

**CRAFTSMAN Shaper**

Built for high speed light duty production work. Cuts smoothly and rapidly at all possible angles to the grain of the wood.

**Extra-large heavy-duty table.** 21 x 15 inches. Bevel gears and screw mechanism move table up and down. Fence is adjustable with one side movable in or out for planning operations. Scale shows depth of cut.

**Fixed spindle construction.** Spindle and bearing assembly mounted in frame. Cutters prevented from coming loose by keyway in shaft with keyed washer. Protective belt guard.

**Built-in motor mount.** Spring hold-downs included.

**SPECIFICATIONS:**
- Cutter height: 1 1/4 inches
- Cutter bore: 1 1/2 inches
- Spindle bearings: 2 sets precision ball
- Table size: 21 x 15 inches
- Table height (variable): 10 3/4 to 12 3/4 inches
- Miter gauge slot: 3/4 in. wide; 3/4 in. deep
- Right fence face adjustable: up to 1/2 inch
- Spindle: 3 1/2 in. 36 threads per inch
- Spindle speed, recommended: 8270 R.P.M.
- Machine pulley (included): 1 1/2 inches
- Motor pulley (included): 4-inch diam.; 3/4 in. bore
- V-belt (included): 3/4 in. x 31 in.
- Motor recommended: 1/4 H.P. 3450 R.P.M.
- Mounting dimensions: 10 3/4 x 9 1/2 inches
- Over-all dimensions: height 18 1/4 in.; width 16 in.; depth (without motor) 27 in.

99 AM 2280—Without motor. Shpg. wt. 106 lbs...

$64.50

**Shaper Cutters**

These high-speed shaper cutters permit you to form almost any kind of contour quickly and accurately. Made of finest quality special alloy tool steel; carefully hardened and ground; precision machined. Cutters have 3/4-inch bore.

- 3/4-inch radius cutters.
  - 9 A 2331—1 inch high...
  - 9 A 2332—1 1/4 inch high...

- 1-inch radius cutters.
  - 9 A 2345—1 inch high...
  - 9 A 2346—1 1/4 inch radius...

- 1 1/2-inch radius cutters.
  - 9 A 2346—1 1/4 inch radius...
  - 9 A 2348—1 1/4 inch radius...

Your Choice $2.75. Large Size Cutters. Shpg. wt. ea. 8 oz.

- 9 A 2345—1 inch high...
  - 9 A 2346—1 1/4 inch radius...

- 1-inch high.
  - 9 A 2345—1 inch high...
  - 9 A 2346—1 1/4 inch radius...

- 9 A 2348—1 1/4 inch radius...

- 9 A 2365—Shipping weight 10 oz...

- 9 A 2367—Shipping weight 6 oz...

- $1.85

**Shaper Collars** (not shown). Mount beneath shaper cutters to control depth of cut on curved work. Fit 3/4-inch spindles.

- 9 A 2367—Shipping weight 6 oz...

- Set $1.85

Some 1 POWER TOOL . 9
"CRAFTSMAN" 40" Magnetic Jig Saw

- Cuts to center of a 22-inch circle.
- Needs no motor... no belt... no gears... no oiling. Just plug it in; snap the on-off switch. Magnetic power unit in base gives 7200 smooth, short cutting strokes per minute. Produces super smooth edges that need no sanding. It's the safe, easy-to-operate hobby tool that everyone of the family can use. The short strokes make it safe even for children to use. But don't mistake it for a toy... it's a rugged, well-made power tool. Just the thing for making hundreds of articles from wood, plastic or metal. Approved by Underwriter's Laboratories.

SPECIFICATIONS:
- Depth of throat: 11 inches.
- Depth of cut, maximum in wood: 3/8 inch.
- Table size: 8¼ x 8½ inches.
- Over-all dimensions: Height 10½ inches, width 8½ inches; length 16¼ inches.
- All metal construction; non-slip rubber feet. Comes complete with one 3-inch pin-end blade, 5-½ ft. of connecting cord and operating instructions. Use on 110-120 volt 60-cycle A.C. only.
- A 2670—Shipping weight 14 lbs. 
- A 2632—Shipping weight 10 lbs.
- A 2633—Shipping weight 6 lbs.

"CRAFTSMAN" 40" Magnetic Jig Saw

"Walking Beam" Action

The sensational "Walking Beam" action assures exceptionally smooth, quiet and accurate operation. An H-shaped stamped channel section delivers power uniformly to the blade on both the up and down strokes. Eliminates the need for a jerky return spring. This type of construction greatly reduces vibration. It also minimizes blade breakage, especially when using fine fret or jewelers' blades. The drive action operates through double-bearing guides above and below the blade.

"CRAFTSMAN" 100" Jig Saw

- Double-row precision ball bearings on drive shaft assure smooth operation and long life.
- Lifetime lubrication... never needs oiling or greasing... no spoiled work due to oil spots.
- Cuts to center of 46-inch circle in wood up to 2 in. thick. Also cuts metals, plastics, etc.

SPECIFICATIONS:
- Depth of throat: 24 inches.
- Depth of cut, maximum in wood: 2 inches in plastic: 1½ inches; in brass: 1½ inches; in aluminum and zinc: 1¼ inch.
- Table size: 16 x 16 inches.
- Motor recommended, min. 1¼ H.P. 1750 R.P.M., 5 and 6 in.
- Motor pulley (not included): 2-inch and 3-inch
- Speed: 320 and 1015 R.P.M.
- Stroke: 1½ in.
- Mounting dimensions: 5½ x 8½ inches.
- Over-all dimensions: Height 21¼ inches; length 39¾ inches; width 16¾ inches.

Motor can be mounted above, below or behind. One 6-inch plain end blade included. Shpg. wt. 123 lbs.
99 AM 2344—24-inch jig saw without motor... $69.50
99 AM 2393—24-inch jig saw with 1½ H.P. 1750 R.P.M. split phase bronze bearing 110-120 volt 60-cycle A.C. motor, 3-in. and 3-in. motor pulley, 1½ x 6-in. V belt. Shpg. wt. 147 lbs. $81.50

Without motor $69.50 CASH
$7.00 DOWN... ON EASY TERMS

$1250
"80" Jig Saw

18-inch throat capacity

- Cuts to the center of a 16-inch circle.
- Handles material up to 2 inches thick.

This saw is especially designed to stand up under hard professional use... that's why it does such a superb job in the home shop. Cuts wood, metal, plastics, etc.

Modified Scotch-Yoke action assures smooth, quiet operation. Runs in bath of oil. Porous bronze main bearings. 12x12 inch cast semi-steel table tilts from 0 to 45 degrees on double pivots; gives large working surface. Frame is strongly made of cast semi-steel. Upper arm is removable for filing and saber sawing. Blade chucks rotate 90° for ripping pieces longer than 18 inches. No twisting of blade because shoe in chuck gives a firm grip between the blade and the clamping member. Upper and lower blade guides. Adjustable hold-down prevents work from lifting off table.

Fully enclosed coil type return spring. Built-in sawdust blower clears sawdust from working area. Uses 5 or 6-inch plain end blades (one blade included).

SPECIFICATIONS:
- Depth of throat: 18 inches
- Depth of cut, maximum: 2 inches
- Table size: 12x12 inches
- Machine pulley (included): 4-inch
- Motor pulley (not included): 2-inch
- Motor recommended, minimum H.P. 1750 R.P.M.
- Speed: 860 R.P.M.
- Sawdust blower: Built into head
- Mounting dimensions: 51x4x27 3/4 inches
- Overall dimensions: Height 17 3/4 inches; length 29 inches; width 12 inches

99 AM 2315-18-inch Jig Saw without motor. Shipping weight 70 pounds... $29.50
99 AM 2290-18-inch Jig Saw with 3/4-H.P. 1750 R.P.M. split phase bronze bearing 110-120 volt 60-cycle A.C. motor. 2-inch motor pulley. 3/4x66-inch V-belt. Shipping weight 90 pounds... $42.50

Jig, Fret and Coping Saw Blades

These high quality blades are made of special alloy "Super-Tuff" steel, heat treated and hardened for long life and easy cutting action. Very fine edge-holding qualities. 6 and 8 3/4-inch plain-end blades can be snapped off to fit machines taking shorter plain-end blades. Saber-tooth blades can be used for heavy work, as well as saber saw, cutting average 1 ounce.

Catalog Number | Recommended uses | Length, inches | Teeth per in | Thick. inch | Width, inch | Blades in Pkg | Per Pkg
---|---|---|---|---|---|---|---
(A) 8A2712 | Fits hand magnetic jig saw | 7 1/4 | 18 | 010 | 040 | 6.0 | 25c
(B) 8A2758 | Fits magnetic jig saw | 5 | 18 | 010 | 040 | 6.0 | 25c
(C) 8A2793 | Medium, for wood | 7 1/2 | 10 | 020 | 110 | 6.0 | 25c
(D) 8A2714 | Coarse, for wood | 5 | 18 | 010 | 040 | 6.0 | 25c

PLAIN END BLADES—FOR MOST JIG SAWS

(E) 8A2703 | Extra fine for delicate cuts in wood | 6 | 18 | 010 | 045 | 8.0 | 25c
(F) 8A2760 | Fine, for cuts in wood | 6 | 18 | 010 | 045 | 8.0 | 25c
(G) 8A2711 | Skip tooth; for plastics and soft metals | 6 | 10 | 020 | 110 | 6.0 | 25c

(H) 8A2702 | Skip tooth; for heavier duty than 8A2711 | 6 | 10 | 020 | 110 | 6.0 | 25c
(J) 8A2703 | Coarse for wood or soft metal | 6 | 10 | 020 | 110 | 6.0 | 25c
(K) 8A2701 | Fine for wood or soft metal | 6 | 10 | 020 | 110 | 6.0 | 25c
(L) 8A2702 | Extra fine for wood or soft metal | 6 | 10 | 020 | 110 | 6.0 | 25c
(M) 8A2703 | Fine, for sheet metals including steel | 6 | 10 | 020 | 110 | 6.0 | 25c
(N) 8A2703 | Fine, same uses as 8A2703 | 6 | 10 | 020 | 110 | 6.0 | 25c

CABER BLADES

(P) 8A2867 | For metal cutting, similar to hack saw | 6 | 20 | 025 | 250 | 5.0 | 25c
(Q) 8A2868 | For wood and soft metals | 6 | 10 | 025 | 185 | 5.0 | 25c
(R) 8A2869 | For coarse cut in wood | 6 | 10 | 025 | 185 | 5.0 | 25c
CRAFTSMAN ball-bearing type Jointer-Planers

CRAFTSMAN 4¼-in. Jointer-Planer

The ideal jointer-planer for small woodworking shops, school shops and home workshops. The three 4¼-inch high-speed steel knives in the 4¼-inch cutter head are securely locked in. Retain sharp, easy-cutting qualities.

Front and rear table are precision ground cast iron and operate on accurately machined ways to insure perfect alignment. 19½-inch fence tilts 45 degrees either way... locks in position. Rugged one-piece cast iron base, with three-point mounting, eliminates twist or strain, gives rigid support.

Quick-acting guard gives positive protection... readily removable for making rabbleting cuts. Accurate gauges for indicating depth of cut and angle of tilt with rip fence. Ball bearings sealed against dirt and lubricated for life.

SPECIFICATIONS:
- Width of cut: 4¼ in.
- Depth of cut: 3/4 in.
- Length of fence: 10¼ in.
- Spindle diameter: 3½ in.
- Size, front table: 11¾ x 14½ in.; rear table: 11½ x 16¼ in.
- Bearings: 2 sets of precision ball bearings.
- Cutter knives: 3 high-speed steel, 4½ x 1/4 x 1/2 in.
- Recommended speed: approximately 4500 R.P.M.
- Motor recommended: minimum 34 H.P.; 1750 R.P.M.
- Machine pulley (included): 2 inch
- Motor pulley (not included): 2 inch
- Mounting dimensions: 8 x 8 x 8 in.
- Overall dimensions: Height 8 in.; width 9½ in.; length 29½ in.

99 AM 2234—CRAFTSMAN Jointer-Planer without motor. Shpg. wt. 63 lbs. $395.00
99 AM 2237—CRAFTSMAN Jointer-Planer with 34 H.P.; 1750 R.P.M. bronze bearing split phase motor for 110-120-volt 60-cycle A.C. 5-inch motor pulley, 3x40-inch V-belt. Shipping weight 90 pounds. $525.00

4½-inch Jointer Replacement Knives. High-speed steel blade; ground to a keen edge. Set of three for above jointer-planers or for Nos. 2287 and 2290. $3.25

CRAFTSMAN 6-in. Jointer-Planer

Heavy-duty jointer-planer gives you greater accuracy, smoother operation and greater safety. 6-inch solid steel cutter head has 3 high speed steel knives.


Quick-acting spring-loaded guard gives complete protection. It never needs to be removed while machine is running. Guard can be removed in one motion for rabbleting cuts. Belt and pulley fully enclosed by guard for safety. 31½ x ¾-inch fence tilts up to 45° in either direction... locks in place.

SPECIFICATIONS:
- Width of cut: ¾ in.
- Depth of cut: 3/4 in.
- Length of fence: 3½ in.
- Spindle diameter: 1⅜ in.
- Size, front table: 16½ x 14½ x 13½ in.; rear table: 17½ x 14½ in.
- Bearings: 3 sets of precision ball bearings.
- Cutter knives: 3 high-speed steel, 6½x1/4x1/2 in.
- Recommended speed: approximately 4500 R.P.M.
- Motor recommended: minimum 34 H.P.; 1750 R.P.M.
- Machine pulley (included): 2 inch
- Motor pulley (not included): 2½ inch
- Mounting dimensions: 8 x 8 x 8 in.
- Overall dimensions: Height 11½ in.; width 20 in.; length 62½ in.

99 AM 2395—CRAFTSMAN Jointer-Planer without motor. Shpg. wt. 143 lbs. $494.50

4½-inch Jointer Replacement Knives. Made of high-speed steel; expertly ground. Set of three for above jointer and for thickness planer No. 2270. $3.85

9 A 2293—Shipping weight 10 ounces. $3.85
ROSE TOOLS, INC.

**CRAFTSMAN Hand Feed Planer**

Now you can salvage old material... finish rough sawed lumber... reclaim marred or painted wood... make flat stock out of warped boards, etc.

**Rugged construction.** Ribbed cast iron table and frame. Ways milled into one casting. Hand feed operation. Chip breaker and pressure bar guard head.

**SPECIFICATIONS:**
- Capacity of cut, maximum: 3/4 inch
- Width of cut, maximum: 6 inches
- Table size: 27 x 49 inches
- Size of cutter head: 2 1/4 inches diameter
- Knives: three; size 6 x 1/4 x 1/8 inches
- Bearings: 2 sets of 1/8 inch precision ball
- Machine pulley (not included): 2 1/4 inch
- Motor pulley (not included): 2 1/4 inch
- Motor recommended (min.) 1/4 H.P.; 4,000 R.P.M.
- Mounting dimensions: 85 1/2 x 10 inches
- Overall dimensions: height 15 3/4 inches; width 15 1/2 inches; length 19 3/4 inches.

99 AM 2379—Without motor. Ship wt. 84 lbs. $55.50
99 AM 2371—With 3/4 H.P. 4,500 R.P.M., ball bearing motor and motor pulley, 2 1/4 inches diameter. Ship wt. 84 lbs. $85.75
99 AM 2399—Set of 3 extra knives for above planer. Ship wt. 3.85 lbs.

**CRAFTSMAN 12-Inch Power Feed Planer**

A CRAFTSMAN "100" heavy-duty thickness planer... built with all the rugged sturdiness necessary to withstand daily high-production work. Does extremely accurate cutting... holds cut to within a few thousandths of an inch... balanced, extra-large 3 1/2-inch diameter cutter with three knives. Fast, smooth power feed. Easy adjustments run on oil-flooded precision ball bearings.

Large capacity. Planes lumber up to 12 inches wide and 4 inches thick... as short as 6 inches and as thin as 1/4 inch. Maximum depth of a single cut is 3/4 inch depending on type of wood. Equipped with accurate depth-of-cut scale.

Heavily-ribbed table is accurately ground and fitted to one-piece, cast-iron frame by precision machined ways. Easily raised and lowered by convenient handwheel to adjust depth of cut.

Solid steel feed rolls, 1 1/4-inch diameter, grip lumber and feed at rate of 17 linear feet per minute, 12,000 cuts per minute when operated at the recommended speed of 4200 R.P.M.

**SPECIFICATIONS:**
- Capacity of cut, maximum: 1 1/4 inch
- Width of cut, maximum: 12 inches
- Table size: 24 x 28 inches
- Size of cutter head: 2 1/4 inches
- Knives: three; size: 1 1/2 x 1/8 inches
- Bearings: 2 sets of precision ball
- Power feed rate: 17 linear feet per minute
- Machine pulley (included): 3 inches
- Motor pulley (not included): 2 1/4 inches
- Motor recommended (variable): 1/4 to 2 H.P.; 1750 R.P.M.
- Recommended cutter head speed: 4200 R.P.M.
- Mounting dimensions: 85 1/2 x 10 inches
- Overall dimensions: height: 23 inches; width: 33 inches; depth: 29 inches.

99 AM 2349F—Shipped from factory in Cincinnati from where you pay shipping charges when delivered. Without motor. Shipping weight 290 lbs. $194.50
99 AM 2349—As above, plus motor. Shipping weight 1,280 lbs. $975.00

**20-Inch Power Feed Planer**

It's NEW... it's BIG... it's our BEST! The CRAFTSMAN "100" 20-inch heavy duty thickness planer is designed to meet the planes needs of lumber mills, factories, and every type of woodworking shop... built to keep vibration to a very minimum and to assure quality work, increased production and low operating costs.

Its range of speeds: 20 and 40 linear feet per minute, (or 40 and 80 linear feet per minute by changing sprocket) assures the user of a machine that can handle the heaviest type of roughing work or the finest cabinet finish and pattern shop planing with ease.

Extra-large capacity. Planes lumber up to 20 inches wide and 6 inches thick. Maximum depth of a single cut is 3/4 inch depending on type of wood. Scale indicates depth of cut; handwheel accurately adjusts.

Superior construction. Heavy welded base, alloy steel head, high-speed steel knives and hardened gears. Bed is of semi-steel; close-grained castings are supported by large anti-friction thrust bearings.

Safety-type cutter head mounted on heavy-duty ball bearings. Solid steel feed rolls 3/4-inch in diameter.

**SPECIFICATIONS:**
- Capacity of cut, maximum: 3/4 inch
- Width of cut, maximum: 20 inches
- Table size: 34 x 24 inches
- Size of cutter head: 2 1/4 inches
- Knives: four; size: 20 x 1/4 inches
- Bearings for cutter head: 2 sets of precision ball
- Power feed rate: 20 and 40 linear feet per minute, or 40 and 80 linear feet per minute
- Machine pulley (included): 4 inches
- Motor pulley (included): 2 step, 3.4 and 6.4 inches
- Motor recommended (variable): 3 to 10 H.P.; 1750 R.P.M.
- Recommended cutter head speed: 3600 R.P.M.
- Mounting dimensions: 85 1/2 x 10 inches
- Overall dimensions: height: 47 inches; width: 41 inches; depth: 36 inches.

99 AM 2377F—Shipped from factory in Cincinnati from where you pay shipping charges when delivered. Without motor. Shipping weight 1,280 lbs. $975.00
ROSE TOOLS, INC.

ROSE TOOLS, INC.

CRAFTSMAN 3-in. Portable Belt Sander

Exclusive 3-drum construction... Heavy duty G.E. Universal Motor

Do your sanding the modern electric sander way! Save time... take this CRAFTSMAN Portable Belt Sander to the job. You'll be amazed... it's so lightweight and easy to handle. The frame and housing are made of strong die-cast aluminum... motor is mounted in the center... completely protected. Ideal for craftsmen, boat builders, cabinet makers, pattern makers, etc. 3-drum design. The great development in sander construction that is far superior to conventional 2-drum construction. It permits direct spiral gear reduction to drive shaft. No right angle drives or complex worm or bevel gearing. It also makes possible the modern functional design... gives minimum clearance on one side and front for getting into tight places and close to walls and corners. Underwriters' Laboratories Approved.

Superior sanding surface. The 26½ x 3-inch sanding belt is longer and wider than belts used on conventional 2-drum sanders of the same general size. This sander produces a new, clean, smooth surface swiftly. And it means less wear and longer belt life with fewer belt changes. Metal shoe, on bottom of sander, keeps belt in even contact with work.

Smooth, easy operation. The convenient quick-change belt release lever is located outside of housing. Just flip it and belt is loose... ready to be removed. All you do is replace belt, flip lever again and you're set to go back to work. All three drums are equipped with dust-protected, self-lubricating bronze bearings; extra large oil reserves. Built-in fan air cools the motor.

SPECIFICATIONS:

- Belt size: width... 3 inches length... 26½ inches.
- Bearings: motor... precision ball drums... self lubricating bronze
- Free speed of belt... 1200 ft. per minute
- Gears... spiral cut steel
- Belt release... quick change, cam operated
- Motor... G.E. universal, 110-120 volt AC-DC
- Switch... safety trigger type, non-locking
- Over-all dimensions: Height 8 inches; length 11½ inches; width 5 inches

Powerful G.E. universal ball-bearing motor (110-120 volt 25 to 60 cycle AC-DC) develops ¾ H.P. maximum; has heat and abrasion-resistant Formex insulation that guards against motor "burn-out." This sander is safe, too. Will not run unless operator holds trigger switch in "on" position. With 10 feet of 3-wire cord, plug, 3 assorted belts and heavy duty all-steel carrying case.

$57.95

9 A 02230—Shipping weight 18 pounds.

For all the details on Sears Easy Payment Plan, see inside front cover.
CRAFTSMAN Disc Sander, Buffer, Polisher

Will actually do the job 10 times faster than by hand

Accessories

Adapter. Makes your Craftsman Sander-Polisher much more useful. Threaded shaft screws into shaft of Sander-Polisher. Can be used with any accessory that will fit 5/8-inch 20-thread spindle. Ends as chucks, brushes, etc. Steel flanges for clamping grinding wheels, buffing wheels, etc.

9 A 2564—Shipping weight 3 oz. .................. .40c

Wire Cup Brush. Recommended for removing scale, paint, rust, weld splatter from rough metal surfaces, etc. Crimped steel wire bristles 1/2 in. long, rigidly held in a heavy cup-shaped metal holder. Brushing surface has 1 1/4 in. face. 1/4 in. outside diameter; 5/8-inch arbor hole. Use with adapter 9A2564.

9 A 6485—Shipping weight 4 oz. .................. .70c

Floor Brush. For scrubbing, waxing, etc. 1-inch long Tampico fibers are company set in 6-in diam. hardwood block. Has 5/8-in. arbor hole. Use with adapter 9A2564.

9 A 6487—Shipping weight 11 oz. ................. $1.00

Checks. For drills, carbon removing brushes, Roto-Verts, etc. Use with adapter 9A2564.


9 A 2248—CRAFTSMAN 3-jaw Chuck. Screw-on type. 0 to 1/8 in. 20-thread spindle. Fits 5/8-in. 20-thread spindle. Shop wt. 3 oz. ............. .70c

Lubricant. Lubriplate No. 30, for the Craftsman Sander Polisher. In handy 2-in. tube.

9 A 2568—Shop wt. 3 oz. .................. .35c

Extra Sanding Discs. (Not illustrated). Made with silicon carbide abrasive. Choice of four grits: 00 (extra fine), 0 (fine), 1 (medium), or 2/4 (coarse). Pkg. of 6 any one grit. State grit. 9 A 2582—Diam. 6 in. Shop wt. 7 oz. ............. .35c

One of the most useful power tools we've EVER sold!

No wonder it has become so tremendously popular! Has literally hundreds of uses. Really a jack-of-all-trades... and a master of all of them! You can use it for sanding, polishing and buffing on woodworking jobs, floors, walls, furniture, metal, etc. And even more, with the accessories listed at left, you can ALSO drill and grind; remove rust, scale, paint, etc.; and even scrub and wax floors. Can be used on wood, metal, plastic, concrete, stone, wallboard, etc., on either flat or curved surfaces.

A marvelous work saver. No rubbing! No pressing! No more aching arms and back! Just plug it in, snap the switch... and 1-2-3... this machine does the job like magic. All you do is guide it. Men! See how swiftly it puts a beautiful polish on your car... and how easily it does so many sanding and buffing jobs in your shop. Women! Watch it sail through those many tiresome polishing tasks in the home. It weighs only 6 pounds... and is practically as easy to use as an electric iron.

Super quality construction throughout. Approved by Underwriters' Laboratories, Inc. A marvel of smooth, quiet operation because of the precision ball bearings and helical spur gears. Light, strong die cast aluminum alloy frame. Dual-purpose knob for 2-hand control may be mounted on either side. Has a convenient non-locking trigger switch in the handle. Motor mounted directly over disc to provide maximum power and perfect balance. Heavy duty General Electric universal motor develops 1/4-H.P. maximum, has Formex insulation for longer motor life.

SPECIFICATIONS:

- Disc size, diameter: 6 inches
- Over-all height, with disc: 7 inches
- Bearings: Precision ball
- Gears: Helical spur
- Free speed of disc: 1600 R.P.M.
- Switch: Trigger type; non-locking
- Motor: Ge Universal type for 110-120 volt 25-60 cycle A.C. or D.C.
- Length of cord: 10 feet

Accessories included. Comes complete with 10-ft. 3-wire rubber covered cord and plug, 6-inch flexible rubber sanding disc, 7-in. lamb's wool buffing bonnet, 6 assorted sanding discs, socket wrench for attaching discs, and handy all-steel carrying case which holds the sander and the accessories.

99 A 02561—CRAFTSMAN Electric Disc Sander-Polisher with accessories listed above. Shop wt. 12 lbs. $38.95
**Craftsman**

**REG. U.S. PAT. OFF.**

**"100" Ball-bearing Lathe**

Ball Bearings in Headstock...Threaded Spindle

9-inch swing...30 inches between centers...46½-inch bed. By far our finest precision-type, wood-turning lathe. Extra-heavy-duty construction throughout. Heavy cast semi-steel construction reduces vibration. Even under heavy cuts or high speeds this lathe operates with exceptional smoothness and accuracy. Strength, well braced bed. Three-point mounting helps eliminate twist and strain.

Two sets of precision radial thrust ball bearings—double shielded and lubricated for life. Provide almost limitless service. Protected against grit and dirt. Assure longer life, greater accuracy.

No. 1 Morse in both headstock and tailstock. Easy to use with work arbor, drill chuck, etc. End cover removable. 4¼-inch x 16 left hand threaded headstock spindle permits outboard turning of larger diameter work without reversing motor. Has indexing pin for use in fluting. May be driven from rear or below.

Complete with tool rest, spur and cup centers, wrench (for both tool rest slide and tailstock), 4-inch 4-step machine pulley. 34×44-in. V-belt. Rust-resisting gray enamel finish. Chromium-plated hand wheels and headstock spindle cover.

**SPECIFICATIONS:**

- Spindle...
  - 4¼-inch x 16 right hand thread inboard end:
  - No. 1 Morse female taper
  - 4¼-inch x 16 left hand thread, outboard
- Spindle speeds...
  - Four: 125, 150, 2250, and 3450 R.P.M.
- Tailstock taper...
  - No. 1 Morse, female
- Tailstock ram travel...
  - 2¾ inches
- Machine pulley (included)...
  - 4-in. 4-step V type cone
- Motor pulley recommended (not included)...
  - 5/8 H.P.; 1750 R.P.M.
- Motor recommended (minimum)...
  - ⅜ H.P.; 1750 R.P.M.
- Mounting dimensions (hole centers)...
  - 7½ x 43½ in.
- Over-all dimensions...
  - Height 103½ in.; width 8½ in.; length 50½ in.

**99 AM 2307—Without motor. Shipping weight 81 lbs.** $39.50

**99 AM 2192—With ¼ H.P. motor. Shipping weight 110 lbs.** $32.50

**Accessories to make your lathe more useful**

- **High-grade Face Plates.** Make your lathe much more useful. High-quality cast-iron construction. Complete with setscrew.
- **3-inch diameter.** Comes complete with spurs, removable center and screw center. For lathe 99 AM 2307 at any other lathe with 4¼-inch x 16-thread spindle.
- **Sanding Plates.** Carefully machined and balanced. Fitted with sandpaper. High-quality cast iron construction.
- **Jacobs Chuck Arbor.** Precision ground...extremely accurate...to insure maximum accuracy of machine spindle and chuck performance.
- **Work Arbor.** For mounting drill chucks and holding grinding, buffing and wire scratch wheels, etc. ¾-inch x 20 thread. No. 1 Morse taper, shank. Steel flanges with nut on head end for clamping wheels.
- **Spur Centers.** For No. 1 Morse taper. 9 2116—Shipping wt. 0.0 oz. 70c
- **Prestall Cup Centers.** Supports work in tailstock. Ground and hardened steel with replaceable center point. No. 1 Morse taper. 9 2100—Shipping wt. 0.0 oz. 75c
- **60-degree Centers.** No. 1 Morse taper. 9 2110—Shipping wt. 0.0 oz. 70c
- **Precision ball-bearing 60-degree center.** (Center point rotates on ball bearing.) Recommended for high speed operations. No. 1 Morse taper. 9 2112—Shipping wt. 0.0 oz. 2.90
- **Screw Centers.** For facing and boring operations. Replaceable center. No. 1 Morse taper. 9 2116—Shipping wt. 0.0 oz. 1.45
- **Craftsman 4-jaw Independent Lathe Chuck.** For lathe 99 AM 2307 above, or any lathe with ¾-inch by 16-thread spindle. 4-inch diameter. Has four reversible jaws, drop forged from a solid bar of special steel, work independently. Especially useful for holding irregular shaped pieces. Large diameter jaw screw. Acme threaded. T-handle chuck wrench. 9 2156—Shipping wt. 3 lbs. 10 oz. $7.95

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**ROSE TOOLS, INC.**

Headstock and tailstock both equipped with No. 1 Morse taper

New convenient location for tailstock locking nut

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**THE WOOD LATHE**

"The Wood Lathe." Craftsman power tool book explains the construction and operation of the wood lathe. Full of helpful hints and technical and general information. It is full of actual photographs and step-by-step illustrations. Tells how to turn spindles, how to do grinding, sanding, finishing and many other operations. 32 pages. Shipping weight 2 ounces. 8 A 9239—$0.35

**Lathe Bed Extension.** Exceptionally handy when you’re doing extra long turning such as table legs, bed posts, lamp standards, etc. 18 inches long. Increases the distance between centers to anything you require. Heavy cast semi-steel in one piece. Ribbed and reinforced just like lathe bed. For lathe 99 AM 2307 above, or our earlier model 2318. 99 A 9248B—Shipping weight 20 lbs. $8.50

**Long Tool Rest.** A great convenience when making long turnings such as table legs, bed posts, lamp spindles, etc. Makes it unnecessary to shift the standard tool rest down the bed. Full 20-inch length. Made of high-quality cast semi-steel...well machined and finished. Mounts rigidly on lathe bed. Readily adjusted for height. For lathe 99 AM 2307 above, or earlier model 2318. With one bed bracket. 9 A 2316—Shipping wt. 10 lbs. $4.00
ROSE TOOLS, INC.

**DUNLAP Lathe...new, low priced**

Only $2 down will put this fine Wood Turning Lathe in your shop

8-inch swing...24 inches between centers...36 1/2-inch bed. We believe you will find it impossible to buy another lathe in this price range that matches this DUNLAP Lathe for quality features, performance and capacity.

Heavy cast semi-steel construction for smooth, accurate operation. Entire bed is made in one piece, ribbed and reinforced to reduce vibration to a minimum. All parts are accurately machined. 3-point mounting helps eliminate twist and strain. Tailstock easily and quickly adjusted.

Two self-lubricating porous bronze bearings and one ball thrust bearing in headstock. Oil well and feeds each bearing. This close, tight seal keeps spindle journals accurate—protects them against dirt and grit. Oil actually filters through bronze. Assures longer life and greater accuracy in operation. Ball thrust bearing absorbs spindle thrust to give smooth, accurate operation.

3/4-inch straight unthreaded spindles in headstock and tailstock. Cover on outboard end of spindle; remove to use end of spindle for turning large diameter work. May be driven from the rear or below. Comes complete with tool rest, spur and cup centers, wrench (for tool rest slide, tool rest, and tail stock lock) and 3-inch 3-step machine pulley. (V-belt not included.) Rust-resistant gray enamel finish.

**SPECIFICATIONS:**
- Spindle: 3/4 inch straight unthreaded
- Spindle speeds: Three: 1025, 1750 and 2985 R.P.M.
- Tailstock ram speed: 1 3/16 inches
- Machine pulley (included): 3-inch 3-step V-type
- Motor pulley recommended (not included): 3-inch 3-step V-type
- Motor recommended (minimum): 1 3/4 H.P. 1750 R.P.M.
- Mounting dimensions (hole centers): 33 3/4 x 6 1/4 inches
- Overall dimensions: Height 88 1/4 in.; width 7 1/2 in.; length 40 in.

$19.95
Without Motor
$200 DOWN ON TERMS

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**Arbors, Centers, Face Plates**

- **CRAFTSMAN General-purpose Work Arbor.** Converts your lathe into a grinder, polish, buffer, etc. Of carbon steel, 4 inches long. 3/4-inch screw has 1/4-inch x 20 thread. Steel flanges for clamping grinding or buffing wheels. Fits 3/4 or 1 1/4-inch unthreaded shaft. Fastens with 2 set screws. State whether for 3/4 or 1 1/4-inch spindle.
  - 9 A 2104—Shipping weight 12 ounces...
  - 75¢

- **Work Arbor with Chuck.** 3-Jaw, 3/4-inch capacity chuck and 3/4-inch x 20-thread arbor with steel flanges. Fits 3/4 or 1 1/4-inch unthreaded straight spindle. Fastens with 2 set screws. State whether for 3/4 or 1 1/4-inch spindle.
  - 9 A 2101—Shipping weight 1 pound 10 ounces...
  - $1.50

- **Lathe Centers.** Ideal for use on any lathe with 3/4-inch straight spindle. Fastens with 2 set screws. Precision made of ground and polished steel. Specially designed for maximum strength and rigidity. Has replaceable center point.
  - 9 A 2105—Headstock Spur Center. For driving work mounted between centers. Shipping weight 6 ounces...
  - 95¢
  - 9 A 2102—Tailstock Cup Center. Supports work in tailstock. Shipping weight 6 ounces...
  - 95¢

- **Face Plate.** Makes your wood-turning lathe more useful. Excellent for many types of work which cannot be machined on centers or in a chuck and must be turned on outside or inside spindle with a face plate. Cast iron construction. For 9 A 02160 lathe above or any lathe with a 3/4-inch straight unthreaded spindle. 4-inch diameter. With set screw.
  - 9 A 2200—Shipping weight 1 pound 5 ounces...
  - $1.65

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**CRAFTSMAN Turning Chisels**

In these fine chisels, you get genuine CRAFTSMAN quality at moderate prices. All have brightly polished 4-inch steel blades, carefully tempered to take and hold a keen edge for fast, clean cutting. Expertly ground. 4-inch handles of smoothly finished hardwood, securely fastened to blades. Heavy ferrule. Average over-all length 13 inches.

- **5-piece Chisel Set.** Includes: 1 1/2-inch wide Gouge, 1 1/2-inch wide Spear Point Chisel, 1 1/2-inch wide Round Nose Chisel, 1 1/2-inch wide Parting Tool, 1 1/2-inch wide Skew Chisel. Shipping wt. 2 lbs. 4 oz.
  - 9 A 2855...
  - $5.85

- **8-piece Chisel Set.** Includes one each of the following: 1 1/2-inch wide Gouge, 1 1/2-inch wide Gouge, 1 1/2-inch wide Spear Point Chisel, 1 1/2-inch wide Round Nose Chisel, 1 1/2-inch wide Parting Tool, 1 1/2-inch wide Skew Chisel, and 1-inch wide Skew Chisel. Set comes in sturdy wood box covered with attractive artificial leather. Shpg. wt. 8 lbs. 10 oz.
  - 9 A 2853...
  - 8-piece set $11.50

- **Individual Chisels.** Shpg. wt. each 13 oz.
  - 9 A 2855—Gouge, 1 1/2-inch wide...
  - $1.25
  - 9 A 2851—Gouge, 1 1/2-inch wide...
  - $1.50
  - 9 A 2852—Gouge, 1 1/2-inch wide...
  - $1.50
  - 9 A 2853—Spear Point Chisel, 1 1/2-inch wide...
  - $1.50
  - 9 A 2856—Round Nose Chisel, 1 1/2-inch wide...
  - $1.00
  - 9 A 2858—Parting Tool, 1 1/2-inch wide...
  - $1.30
  - 9 A 2862—Skew Chisel, 1-inch wide...
  - $1.30

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**CRAFTSMAN Jack Shaft**

Cone-pulley type. Used with matching cone pulley on machine. Provides broad speed variations on lathes, drill presses, grinders, etc. Speed is varied in certain definite steps. It is most commonly used between the motor and tool being driven. By changing drive pulley on motor, or driven pulley on jackshaft, a wide variety of speeds may be obtained.

- **5-piece 4-step pulley.**
  - $4.00
- **With 5-inch 4-step pulley.**
  - $6.00

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ROSE TOOLS, INC.
CRAFTSMAN Power Pipe Thread Cutter

It cuts! It reams! It makes much more better threads!

One of the most important additions ever made to the famous CRAFTSMAN line! Contractors, plumbers, streamliners, or anyone who threads large quantities of 3/4 to 2-in. diameter pipe, will find it gives tremendous savings in time, labor and money. Will pay for itself many times over. One man can place a big 3-inch diameter pipe in the machine, cut it off, ream it, thread it, and take it out . . . all in 13/4 minutes!

We had professional pipe fitters operate this tool, and they were amazed at its speed and accuracy. They agreed that it worked at least four times faster and did a better job than hand threading.

Extra heavy duty. Super quality construction throughout. Rugged cast iron frame. Can be used in a shop or on a portable truck. Can be mounted on a bench or on braced pipe legs.

Quick-opening, cam-action, adjustable die head. Makes possible much faster, easier work than with a solid die head. Just flip handle to open head.

Three sets of die cuters. For iron or steel pipe; 3/4 or 4-inch; 1 or 11/4 inch; 1 1/2 or 2 inch. (For die cuters to cut steel tubing, see listings at right.)

Power driven oil pump. Delivers a continuous stream of thread-cutting oil on the pipe where it is being threaded. Much better than hand oiling.

Heavy-duty geared motor. 3/4-H.P. 1140 R.P.M. for 110 or 220-volt A.C. or 115-volt D.C. 3-step gear assembly. Counterweights operate at 100 R.P.M.; drives 1 1/4-in. O.D. 3-jaw universal chuck, 32 R.P.M. Gears run in bath of oil. (Available with special voltage motors; consult your nearest Sears retail store or write Sears Personal Service Dept.)

Carriage travel 5 1/2 in. Width 20 in.; height 17 in.; length of base 41 in. With 5-gal. thread-cutting oil. Power thread cutter and accessories shipped from factory in Philadelphia, Pa.; you pay transportation from there. If you wish more information, write for CRAFTSMAN Power Pipe Threader Booklet 620A.

$475.00 CASH
$475.00 DOWN . . . ON EASY TERMS

OAKLAP Bench Vise

A Good quality . . . $785
B priced low. Husky, semi-steady body strongly reinforced at all points of strain. Heavy U-shaped side beam fits snugly, yet slides easily; jaws won't wobble. Smooth working Acme-threaded steel screw. Replaceable, oil-tempered, hardened steel jaw faces; deep-cut knurls assure firm, strong grip; hold objects rigidly. 3 1/2-in. jaws open to 4 1/2 inches.

Swivel base turns left or right a full 180 degrees . . . has positive-locking three-point contact . . . locks securely in any position. Durable red finish. Actual weight 154 lbs. Malleable.

99 A 05244 - OAKLAP Bench Vise only, as above. Shipping weight 17 lbs. $7.85
99 A 05243 - OAKLAP Bench Vise as above, plus set of pipe jaws. Ship. wt. 23 lbs. $8.25
B 9 A 05242 - Pipe Jaws only. For Vise 99 A 05244 above. Ship. wt. 1 lb. 4 oz. $2.00
C 9 A 05167 - Pipe Jaws only. For Vise 99 A 05244 above. Ship. wt. 1 lb. 4 oz. $2.00
9 A 05167 - Pipe Jaws only. For Vise 99 A 05244 above. Ship. wt. 1 lb. 4 oz. $2.00

CRAFSTMAN Bench Vise

D By far the finest vise of this type we've ever sold! Built with ruggedly reinforced, ruggedly reinforced, ruggedly reinforced in every part. Body is strongly reinforced at all points of strain. All parts precision-machined, so that complete interchangeability is possible.

Hardened and tempered, deep-knurled jaw faces . . . replaceable to permit longer service life. Cold rolled steel "C"-shaped jaws easily . . . fits snugly . . . prevents jaw wobble. Beam completely covers screw; protects it against dirt and filings. Acme-threaded steel screw has 6 threads per inch.

Oval stops at ends of handle help prevent pinched fingers. New-Type handle on base; faster than sliding bar. Swivel base turns 360° . . . looks at any desired angle. Gray enameled finish, finish, finish, finish, finish; and hand-painted, highly polished, Malleable.

99 A 05167 - Pipe Jaws only. For Vise 99 A 05244 above. Ship. wt. 1 lb. 4 oz. $2.00
9 A 05242 - Pipe Jaws only. For Vise 99 A 05244 above. Ship. wt. 1 lb. 4 oz. $2.00

Woodworkers' Vises

E Lightweight CRAFTSMAN Woodworkers' Vises . . . $325
F Lightly yet ruggedly reinforced in every part. Body is strongly reinforced at all points of strain. All parts precision-machined, so that complete interchangeability is possible.

Hardened and tempered, deep-knurled jaw faces . . . replaceable to permit longer service life. Cold rolled steel "C"-shaped jaws easily . . . fits snugly . . . prevents jaw wobble. Beam completely covers screw; protects it against dirt and filings. Acme-threaded steel screw has 6 threads per inch.

Oval stops at ends of handle help prevent pinched fingers. New-Type handle on base; faster than sliding bar. Swivel base turns 360° . . . looks at any desired angle. Gray enameled finish, finish, finish, finish, finish; and hand-painted, highly polished, Malleable.

99 A 05167 - Pipe Jaws only. For Vise 99 A 05244 above. Ship. wt. 1 lb. 4 oz. $2.00

20-pound Anvil

G DUNLAP. Ideal small anvil for small shop work; hobbyists, etc. Rugged semi-stell construction, with surfaces properly formed for making various shapes. Face size 6 1/2 x 2 3/4 in., with 3 1/2 x 2 3/4-in. handle. Weight 20 lbs. With four times greater hardness. Acme-threaded steel screw 10-inch jaws; open to 10 inches. Ship. wt. 2 1/2 lbs. $11.50

Quick-acting Woodworkers' Vises. (Not shown.) Similar to 99A05200 above, but half turn of handle disengages screw; permits jaw to slide back and forth. Turn in opposite direction again engages screw.

99 A 05201 - Shop. wt. 20 lbs. $14.50

Bench Screw

H Just the thing for replacement in old, worn-out bench vises, or for making new woodworkers' vises, fruit presses, etc. Strong steel screw, 1 inch in diameter; Acme-cut threads. 15/16 long 14-inch. Hardwood handle. Shipping weight, 5 pounds 8 ounces.

9 A 6662 - $1.85

20-pound Anvil

DUNLAP. Ideal small anvil for small shop work; hobbyists, etc. Rugged semi-stell construction, with surfaces properly formed for making various shapes. Face size 6 1/2 x 2 3/4 in., with 3 1/2 x 2 3/4-in. handle. Weight 20 lbs. With four times greater hardness. Acme-threaded steel screw 10-inch jaws; open to 10 inches. Ship. wt. 2 1/2 lbs. $11.50

Quick-acting Woodworkers' Vises. (Not shown.) Similar to 99A05200 above, but half turn of handle disengages screw; permits jaw to slide back and forth. Turn in opposite direction again engages screw.

99 A 05201 - Shop. wt. 20 lbs. $14.50
CRAFTSMAN "80" Metal Turning Lathe

6-in. swing..12½-in. between centers..23½-in. bed

There’s no other lathe like it! Much smoother, more accurate than is ordinarily possible with lathes of this size. It’s a rugged, precision-built, complete back-gear-edged screw-cutting lathe at a Sears typical mooney-saving low price. Ideal lathe for turning armatures, model making, experimental work, tool room work, and scores of other small metal turning jobs. Speed range also permits wood and plastic turning.

Offset center construction holds pressure of work on tool between ways, even when handling larger work. Smooth-adjusting compound swivel operates in precision-machined, dove-tail V-way bed. Spring tension of threading dial assembly gives positive contact at all times. End play eliminated! Compound rest and cross-feed are accurately gibbed for wear take-up.

Double bearing headstock has porous bronze bearings; with adjustable front bearing. Hardened, ground steel spindle threaded 3⁄4-in. x 20-thread. Forward and reverse lever locking plunger is spring-operated. Removable No. 0 Morse taper centers in both headstock and tailstock. Tailstock may be set over for turning tapers. Threading gears are blacked cut threads from 8 to 96 per in., right or left hand.

Complete with accessories shown above, including two 60-degree centers, 1⁄4-inch tool bit, Allen wrench, 1⁄4-inch lathe tool, 4-inch face plate, 8 threading gears, motor pulley, machine pulley, 1½x36-inch V-belt. Motor not included. We recommend using 3⁄4-H.P. 1750 R.P.M. motor, 99 AM 01974, page 36.

99 AM 2127—Without motor. Shpg. wt. 63 lbs...$39.50

SPECIFICATIONS:

- Swing over bed: 6 inches
- Distance between centers: 12½ inches
- Spindle: .375 inch x 20 thread taper
- Taper: No. 0 Morse bore, 3⁄4 inch
- Bearings: 2 porous bronze bearings
- Thread range: 8 to 96 right or left hand
- Feeds: .0024, .0039, .0048, .0078
- Rack gear ratio: 5 to 1
- Compound rest travel: 11½ inches
- Cross slide travel: 23 inches
- Tailstock ram travel: 13 inches
- Tailstock set over: 14 inches
- Motor recommended min. 1⁄2 H.P. 1750 R.P.M.
- Machine pulley (included): 3 step "V" type
- Motor pulley (included): 4 step "V" type
- Speeds: 380: 120 to 1320 R.P.M.
- Mounting dimensions: 21 ¼ x 5 x 14 inches
- Overall dimensions: Height, 10 ¾ inches; width, 9 ¾ inches; length, 20 ½ inches

9 AM 2127—With motor. Shpg. wt. 68 lbs...

High quality Accessories to increase the usefulness of above lathe

A 6-piece Formed Tool Bit Set. 1⁄4-in. size. High speed tool steel, ground, ready for use. Includes threading bit, left and right hand facing bits, left and right hand turning bits, and round nose turning bit. 9 A 2205—Shpg. wt. 8 oz...$2.25

B CRAFTSMAN 3-jaw Universal Lathe Chucks. Self-centering, lever-operated...only two main parts, body and scroll. Ideal for production work. Hold to tolerances within .003 in. Steel jaws; steel body and scroll. Knurled rim. Fits 1⁄4-in. by 20-thread spindle. Two sets of jaws (outside and inside). With wrench. 9 A 2296—Diam. 3 in. Shpg. wt. 3 lbs...$17.75

C CRAFTSMAN 4-jaw Independent Lathe Chuck. Steel, wide, deep jaw slots. For average shop needs. 4 reversible jaws work independently; especially useful for holding irregularly shaped pieces. Acme threaded. Fits 1⁄4-in. by 20-thread spindle with T-handle wrench. 9 A 2107—Diam. 3 in. Shpg. wt. 2 lbs...$4.95

D Work Arbor. For mounting drill chucks and holding grinding, buffing and wire scratch wheels, etc. For 99AM2127 lathe above, or any lathe with No. 0 Morse taper. 2 flanges with nut on head end threaded 3⁄4-in. x 20-thread for clamping grinding, buffing and wire scratch wheels. 9 A 2117—Shipping weight 8 ounces...$9.50

E Work Arbor with Chuck. 3-jaw, screw-on type chuck; tapped 3⁄4-in. x 20-thread; 3⁄4-in. capacity. Hardened steel jaws center accurately. Knurled for firm grip. Work arbor has No. 0 Morse taper, shank end. 9 A 2276—Shipping weight 1 lb. 4 oz...$1.90

F Spur Center. Use for wood turning. Accurately ground for perfect fit. No. 0 Morse taper shank. 9 A 2108—Shipping weight 3 oz...$.75

G 60-degree Center. For accurate centering of work. Has No. 0 Morse taper on shank end. 9 A 2103—Shipping weight 3 oz...$.65

H Tailstock Cup Center. Supports work in tailstock. Ground and hardened steel with replaceable center point. Has No. 0 Morse taper on shank end. 9 A 2109—Shipping weight 3 oz...$.70

I FACE PLATE. Use for driving lathe dog and work in wood turning. For use on 99AM2127 lathe described and listed above, or any lathe with 3⁄4-in. 20-thread spindle. Diameter 4 inches. 9 AM 2468—Shipping weight 3 lbs...$3.20

J Metal Lathe Manual. A complete, up-to-date manual of metal lathe operations and machinists’ tables. Easy-to-follow directions give you a sound, practical explanation of the construction and operation of the metal lathe. Ideal book for students, apprentices, machinists and experienced lathe operators. Replete with actual photographs and pen and ink drawings. Index tabs separate each section. Paper bound; spiral back, 234 pages. 9 A 2925—Shipping weight 11 oz...$1.40

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Without Motor
$1100 DOWN . ON
EASY TERMS
See inside front cover
for complete details

ROSE TOOLS, INC.

Precision built... yet very low in price! Guaranteed accurate within 1/1000 inch! Actually matches our larger screw-cutting lathes in precision and accuracy.

Model Makers' Lathe

Designed, built and priced for model makers, hobbyists, and tool makers... a fine shop tool that will give you precision performance on a wide variety of jobs.

Full 6-inch swing... 18 inches between centers... 30-inch bed. Massive, one-piece, cast semi-steel bed; precision ground. Carriage has hand wheel for manual operation and feed lever for reversible automatic power feed. Tailstock has set-over for taper turning.

Cuts 8 to 96 threads per inch, right or left hand. Back gears give 16 speeds from 54 to 3210 R.P.M. Graduated compound rest swivels 360°. Complete with 2-step motor pulley, 2-step machine pulley, 4-step counterbalanced 20-degree centers, 1/24-in. tool bit, 9 threading gears, 1/16-in. lathe dog, 1/16-in. V-belt, Allen wrench, 4-in. face plate and two wrenches.

SPECIFICATIONS:
- Swing over bed: 6 inches
- Distance between centers: 18 inches
- Spindle: No. 1 Morse Taper: No. 2 Morse Bore: 7/8 inch
- Spindle bearing: 2 porous bronze; ball thrust
- Thread range: 8 to 96, right or left hand
- Feeds: Four: .0024, .0039, .0048 and .0078
- Back gear ratio: Approximately 6:1 to 1
- Countershaft and back gear bearings: 4 porous bronze
- Swing over carriage: 4-1/2 inches
- Compound rest travel: 1-1/2 inches
- Cross slide travel: 6 inches
- Tailstock taper: No. 1 Morse
- Tailstock ram travel: 14 inches
- Tailstock set-over: 1/24 inch
- Motor recommended, minimum: 1/4 H.P. 1750 R.P.M.
- Machine pulley (included): 2 step
- Motor pulley (included): 2 step
- Mounting dimensions: 41/4 x 27/16 inches
- Over-all dimensions: Height 101/2 inches; width 213/4 inches; length 331/8 inches

Comes with instructions and accessories shown above. 99 AM 2048—Without motor. Shipping weight 102 pounds.

$106.00

ROSE TOOLS, INC.

Metal Lathe Manual

Tool Holders
Fit 99 AM 2048 model makers' lathe above. Special drop forged steel, expertly heat treated and hardened.
A 2031—Threading Tool, Shpg. wt. 9 oz.... $4.50
B 2033—Straight Tool Holder, No bit. Shpg. wt. 4 oz.... $2.10
C 2034—Right Hand Tool Holder, No bit. Shpg. wt. 4 oz.... $2.10
D 2035—Left Hand Tool Holder, No bit. Shpg. wt. 4 oz.... $2.10
F 2037—Cut-off Tool, Shpg. wt. 7 oz.... $2.70
G 2038—Knurling Tool, Has medium knurl. Shipping weight 9 oz.... $5.40

Formed Tool Bit Set
Six-piece set of 1/2-inch tool bits. High speed tool steel. Ground, ready to use. Set includes threading bit, left-hand facing bit, right-hand turning bit, right-hand facing bit, and round nose turning bit.
9 A 2043—Shpg. wt. 5 oz.... $2.20

Tool Post Set
High speed tool steel. Tools mount directly in tool post. Set includes 4 boring bars, internal threading tool, external threading tool, external turning tool, and set of tool post spacers for height spacing.
9 A 2038—Shpg. wt. 1 lb.... $7.75

CRAFTSMAN 3-Step Universal Type
Jaws controlled by single screw and pinion gear... speedy gripping... self-centering... ideal for production work. Extra-strong semi-steel body casting. Special alloy metal scroll; alloy steel pinion. Alloy steel jaws. Fits 99 AM 2048 lathes above, or any 1-in. x 8-thread spindle, Diameter 4 in. Has 2 sets of jaws (outside and inside). With T-handle chuck wrench. Shipping wt. 5 lbs. 3 oz. 9 A 2148.... $35.00

CRAFTSMAN precision made Lathe Chucks

M 4-jaw Independent type. For average shop needs. Special alloy steel body has wide, deep jaw slots. Four reversible jaws work independently; increase usefulness when working in irregular-shaped pieces. Large diameter jaw screw. Acme thread.
Fits 99 AM 2048 lathes above, or any 1-in. x 8-thread spindle, Diameter 4 in. With T-handle chuck wrench; fits deep seat. Shpg. wt. 3 lbs. 12 oz. 9 A 2138.... $7.95

ROSE TOOLS, INC.
Accessories for CRAFTSMAN Model Makers' Lathe... make it more useful

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**A** | Spur Centers. Use for wood turning. 9 A 2104—No. 1 Morse taper shank. Shipping weight 4 oz. 85c

9 A 2107—No. 2 Morse taper shank. Shipping weight 7 oz. 87c

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**B** | Screw Centers. For facing and hollowing operations. Replaceable center. 9 A 2116—No. 1 Morse taper shank. Shipping weight 13 oz. 1.45

9 A 2118—No. 2 Morse taper shank. Shipping weight 14 oz. 1.45

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**C** | 60-degree Centers. For metal. 9 A 2110—No. 1 Morse taper shank. Shipping weight 6 oz. 70c

9 A 2112—No. 2 Morse taper shank. Shipping weight 7 oz. 75c

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**D** | Precision ball bearing 60-degree center. (Center point rotates on ball bearing.) For high speed operations. 9 A 2112—No. 1 Morse taper shank. Shipping weight 8 oz. 5.90

9 A 2113—No. 2 Morse taper shank. Shipping weight 8 oz. 2.90

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**E** | Tailstock Cup Centers. Support work in tailstock. Replaceable center point. 9 A 2100—No. 1 Morse taper shank. Shpg. wt. 3 oz. 75 c

9 A 2101—No. 2 Morse taper shank. Shpg. wt. 7 oz. 87c

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**F** | Center Drill. Combination drill and countersink. In 5/16 or 5/8-in. size. Shpg. wt. 3 oz. 45c

9 A 2681—Shpg. wt. 1 oz. 1.30

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**G** | Adapter Sleeve. No. 2 Morse taper reduces to No. 1 Morse taper. Shpg. wt. 5 oz. 1.20

9 A 2161—Shpg. wt. 9 oz. 1.30

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**H** | Face Plate. Use for driving lathe dog and work for wood turning, 4-in. diameter. For use on 99AM2048 lathe (on opposite page) and other lathes with 1-in. 8-thread spindle. Shipping weight 3 lbs. 85c

9 A 2470—Shipping weight 5 lbs. 2.20

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**J** | Work Arbor. For mounting chucks and holding work in grinding, buffing and wire scratch wheels, etc. 12-in. x 20-thread, 2 steel flanges with cut on head end for clamping wheels. Morse taper shank. 9 A 2152—No. 2 Morse taper shank. Shipping weight 11 oz. 95c

9 A 2153—No. 1 Morse taper shank. Shipping weight 9 oz. 95c

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**K** | Work Arbor with Chuck. 3-jaw screw-on type chuck, tapped 3/8-in. x 20-thread; 3/4-in. capacity. Work arbor has Morse taper on shank end. 9 A 2247—No. 2 Morse taper with chuck and arbor. Shipping weight 1 pound 8 oz. 1.90

9 A 2234—No. 1 Morse taper with chuck and arbor. Shipping weight 1 pound 8 oz. 1.85

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**L** | Reversing Switch. Reverses motor and spindle direction in grinding, polishing, tapping, wood or metal finishing. Not for repulsion-induction motors. 9 A 2059—Shipping weight 4 lbs. 6 oz. 9.25

9 A 2041—Shipping weight 5 lbs. 4 oz. 6.00

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**M** | Milling Attachment. Has graduated swivel vise, flat block and V-block for holding cylindrical objects. Vise capacity 2 inches vertical feed 1 1/2 inches. Graduated angular swivel. Shipping weight 8 lbs. 4 oz. 21.00

9 A 2057—Shipping weight 10 lbs. 11 oz. 24.00

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**N** | Follower Rest. Mounts on back of carriage dovetail slide... moves with cutting tool to provide support needed to prevent deflection when turning long slender work. Shipping weight 1 pound 9 oz. 9 A 2042. 4.15

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**CRAFTSMAN**

"80" Power Hack Saw

Heavy duty... semi-automatic
Cuts accurately unattended

Save time... save labor... reduce operating costs... speed up production with this CRAFTSMAN "80" Power Hack Saw. Professional quality throughout. Ideal for plumbers, electricians, garbage men and other metal workers.

Extra large capacity. Makes cuts on material up to 4 x 4 in. at 90°. Makes angle cuts 90° to 45°. Saws iron, steel, brass, aluminum, etc. quickly and accurately. This has a 4-inch stroke; 50 strokes per minute, at 400 R.P.M.

Makes the cut alone while you work on other jobs. Draw-cut type, with automatic relieving mechanism to lift blade from work on the back stroke. Gives a clean, accurate cut. Rugged construction. Heavy cast iron vise; quick-locking. Shafts run on porous bronze bearings. Cast semi-steel slide and arm. Cone type arm pivot; adjustable. Takes any standard 12-inch power hack saw blade (one included).

SPECIFICATIONS:
- Capacity, maximum: 4 x 4 inches
- Angle cuts: 90° to 45° degrees
- Bearings: porous bronze
- Length of blade: 12 inches
- Width of blade: 3/4 inch
- Machine pulley (not included): 1/4 inch
- Motor pulley (not included): minimum 1/4 H.P. 1750 R.P.M.
- Base size: 6 x 24 inches
- Mounting dimensions: 5 1/2 x 9 1/2 inches
- Over-all dimensions: height 10 inches; width 9 inches; length (extended) 29 (not extended) 26 inches
99 AM 2294—Without motor, Shpg. wt. 60 lbs. $45.00
9 A 6557—CRAFTSMAN 8-inch power hack saw blades.
Special tool steel, 3 1/2 in. wide, 14 or 18 teeth per in.
State choice wanted. Shpg. wt. 3 oz.
2 for $1.19

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**POWER TOOL**, 21

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**ROSE TOOLS, INC.**
High-Quality Accessories for the CRAFTSMAN Metal-Turning Lathe Above

- **Face Plates.** For lathe with 1½-in. 8-thread spindle (as on lathe above).
  - 9 A 2671—in. Shpg. wt. 3 lbs. $2.30
  - 9 A 2475—8-in. Shpg. wt. 6 lbs. $4.70
- **Lathes.** Malleable iron. 3½, 4, 1 or 1½ in. size. State size.
  - 9 A 2078—Shpg. wt. 8 oz. 45c
  - 9 A 2183—State size wanted. 1¼-inch. 87c 1½-inch. $1.20
  - 9 A 2189—Shpg. wt. 1 lb. 1 oz. $0.00

**Tool Holders.** Steel forgings. Shanks ¾-in. high. ¾-in. wide. Shpg. wt. 10 oz.
- 9 A 2194—Offset, left. $2.15
- 9 A 2192—Offset, right. $2.15
- 9 A 2196—Straight. $2.15
- 9 A 2198—Threading. 4.80
- 9 A 2200—Cut-off. 2.05
- 9 A 2202—Knurling tool. 5.75

Six Formed Tool Bits. ¾-in. Fit holders above. Threading, left hand facing, right hand facing, round nose turning, right hand turning, and left hand turning bits.
- 9 A 2205—Shpg. wt. 8 oz. $2.25

**Tool Post Set.** Includes 6 boring tools (½, ¾, 1¼, and 1½ inch), ¾-inch inside threading tool, ¾-inch threading tool, set of tool post spacers.
- 9 A 2198—Shpg. wt. 1 lb. 1 oz. $0.00

**Micrometer Carriage Stop.** Has adjustable micrometer stop for controlling carriage. 9 A 3139—Fits 1½-in. 8-thread spindle. Diameter 6 in. Shpg. wt. 9 lbs. 10 oz. $14.95
- 99 A 2214—Fits 1½-in. 8-thread spindle. Diameter 8 in. Shpg. wt. 25 lbs. $26.95

**Mace Undercutter.** Screw feed regulates height of cutter and carriage feed. 9 A 2298—Fits 1½-in. by 8-thread spindle. Diameter 6 in. Shpg. wt. 10 lbs. $23.50
- 99 A 0229—Fits 1½-in. by 8-thread spindle. Diameter 6 inches. Shpg. wt. 15 lbs. $32.50

**CRAFTSMAN 3-jaw Universal Chuck.** Pinion gear type. Two sets of jaws (outside and inside). Square socket chuck wrench.
- 9 A 2150—Fits 1½-in. by 8-thread spindle. Diameter 8 in. Shpg. wt. 7 lbs. 14 oz. $14.95

**CRAFTSMAN 3-jaw Universal Chuck.** Pinion gear type. Two sets of jaws (outside and inside). Square socket chuck wrench.
- 9 A 2150—Fits 1½-in. by 8-thread spindle. Diameter 8 in. Shpg. wt. 7 lbs. 14 oz. $14.95
one-thousandth inch

SPECS:
- Swing over bed: 12¾ inches
- Distance between centers: 24 inches
- Spindle: Morse No. 2
- Taper: Morse No. 2
- Bore: 2¼ inch
- Spindle bearing: 2 Timken Roller
- Thread range: 9 to 86 R.H. or L.H.
- Feeds: .0024, .0035, .0051
- Rack gear ratio: Approx. 6 to 1
- Countershaft and brake gear bearing: 4 porous bronze
- Swing over carriage: 8¾ inches
- Compound rest travel: 2½ inches
- Cross feed: Reversible power feed
- Tailstock taper: Morse No. 2 taper
- Tailstock set over: 2¾ inch
- Machine pulley (incl.): 6½ inch
- Motor pulley (incl.): 4½ inch
- Speeds: 16
- Mounting dimensions: 65½ x 43¼ in.
- Over-all dimensions: Height 20 inches
- Weight: 25½ lbs
- Length: 45 inches

$10.35

$7.80

$5.30

$2.30

$2.30

$24.00

High Quality Lathe Accessories

Reversing Switch. Drum type reverser is especially designed for use on both small and large lathes with a graduated travel saddle and V-block for holding cylindrical objects. A reversible feed in the vertical feed 3½ inches, cross feed 3 inches. Graduated micrometer feed screw. Angular swivel securely graduated in degrees. USA D 2987—Shipped at 18 lbs. $29.95

Holding Collet. For use on the straight shank milling cutters. Furnished with two arbor, one to take threaded shank and another for use with the arbor, 4, 1½, 1¾, and 1½ inch threaded bolts. Shipping weight 2 lbs. $2.30

Taper Attachments. You must have for the job of setting up a lathe. Available in different lengths. Tapered nose can be made easily by external work. Index plate is graduated 7° and 3 inches both sides of center line. Equivalent to taper of 5½ inches per foot.

Reversing Switch. Drum type reverser is especially designed for use on both small and large lathes with a graduated travel saddle and V-block for holding cylindrical objects. A reversible feed in the vertical feed 3½ inches, cross feed 3 inches. Graduated micrometer feed screw. Angular swivel securely graduated in degrees. USA D 2987—Shipped at 18 lbs. $29.95

Holding Collet. For use on the straight shank milling cutters. Furnished with two arbor, one to take threaded shank and another for use with the arbor, 4, 1½, 1¾, and 1½ inch threaded bolts. Shipping weight 2 lbs. $2.30

Taper Attachments. You must have for the job of setting up a lathe. Available in different lengths. Tapered nose can be made easily by external work. Index plate is graduated 7° and 3 inches both sides of center line. Equivalent to taper of 5½ inches per foot.

Nationally famous Jacobs Chucks

JACOBS COMMUTATOR KITS. For holding armature shafts rigidly during reconditioning. Kit includes two or three arbor, clamps, key, and chuck key. Same price as Jacobs taper. USA D 2927—Postpaid. (Shipping weight 7 pounds 4 ounces). $21.47

JACOBS HOODSTOCK CHUCKS. Extremely accurate. Fits Jacobs No. 58B, 64A, 84B. Shipping weight 4 lbs. 10 oz. Must be used with Jacobs chuck. USA D 2926—Postpaid. (Shipping weight 3 pounds 2 ounces). $10.45

JACOBS DRILL CHUCKS. For No. 33 Jacobs taper arbor. USA D 2921—To fit Jacobs No. 33 key-type chuck. Fits Jacobs No. 33 Jacobs taper capacity 5¼ to 5½ inches. USA D 2922— Jacobs No. 6A-33 key-type chuck. Fits Jacobs No. 33 Jacobs taper capacity 0 to 5 inches. USA D 2924—To fit Jacobs No. 33 Jacobs taper. USA D 2925—Postpaid. (Shipping weight 12 pounds 1 ounce). $95c

JACOBS CHUCK KITS. (Not illustrated.) USA D 2911— Jacobs No. 33 key-type chuck. Fits Jacobs No. 33 Jacobs taper. USA D 2912— Jacobs No. 6A-33 key-type chuck. Fits Jacobs No. 33 Jacobs taper. USA D 2913— Jacobs No. 33 Jacobs taper.USA D 2914—Postpaid. (Shipping weight 12 ounces). $95c

Jacobs Chuck Arbor. USA D 2915— Jacobs No. 33 key-type chuck. Fits Jacobs No. 33 Jacobs taper. USA D 2916—Jacobs No. 6A-33 key-type chuck. Fits Jacobs No. 33 Jacobs taper. USA D 2917— Jacobs No. 33 Jacobs taper. USA D 2918—Postpaid. (Shipping weight 8 ounces). $95c

Arbors and Chucks

Work Arbor. For mounting drill chucks and holding grinding, buffing and wire drawing wheels, etc. USA D 2919— Postpaid. (Shipping weight 11 ounces). $95c

Work Arbor with Chuck. USA D 2920— Jacobs No. 3 key-type chuck. Tapped 5½ inch to 6¼ inch shank. USA D 2921— Postpaid. (Shipping weight 10 pounds 8 ounces). $95c

Lathe Centers and other Accessories

Saw Center. For heavy turning, USA D 2912—Saw Center, No. 1, 2, and 3, $7.75 each. USA D 2913—Saw Center, No. 4, 5, and 6, $10.00 each.

Screw Center. USA D 2914—Screw Center, No. 1, 2, and 3, $7.00 each. USA D 2915—Screw Center, No. 4, 5, and 6, $10.00 each.

60-degree Center. USA D 2916—60-degree Center, Precision ground, $8.75 each. USA D 2917—60-degree Center, Precision ground, $11.75 each.

Precision ball bearings 60-degree Center. USA D 2918—Precision ball bearings, 60-degree Center, $12.00 each.

Tailstock Center. USA D 2919—Tailstock Center, $12.00 each.

Tailstock Center. USA D 2920—Tailstock Center, $15.00 each.

Tailstock Center. USA D 2921—Tailstock Center, $18.00 each.

Tailstock Center. USA D 2922—Tailstock Center, $21.00 each.

Tailstock Center. USA D 2923—Tailstock Center, $24.00 each.

Tailstock Center. USA D 2924—Tailstock Center, $27.00 each.

Tailstock Center. USA D 2925—Tailstock Center, $30.00 each.

Tailstock Center. USA D 2926—Tailstock Center, $33.00 each.

Tailstock Center. USA D 2927—Tailstock Center, $36.00 each.
Jacobs Chucks for drill presses, lathes, electric drills, etc.

Genuine Jacobs chucks and arbors, nationally famous for their correct design, excellence of materials and precision manufacture. *All Jacobs chucks and accessories described on this page are postpaid.*

**Jacobs Commutator Kit**
For holding armature shafts rigidly during reconditioning. Kit includes: No. 75A armature driving chuck; No. 100 center rest chuck (3/4 to 3/4 in. capacity); two arbors (No. 2 Morse taper, shank end; No. 3 Jacobs taper head end); chuck key. Comes in metal box. *Postpaid.*

9 A 2127—(Shipped wt. 7 lbs. 4 oz.) $21.47

**Jacobs Headstock Chucks**

| Item | Description | Capacity | Weight | Cost
|------|-------------|----------|--------|------
| 9 A 2044 | Jacobs No. 55B, Capacity 0 to 3/4 in. Fits only 1-in., 8-thread spindle. Cannot be used with any arbor. | 0 to 3/4 in. | (Shipped wt. 3 lbs. 10 oz.) | $12.59
| 9 A 2144 | Jacobs No. 59B, Capacity 3/4 to 5 in. Fits 1-1/2-in., 8-thread spindle; can be used with No. 3 Jacobs taper arbor. | 3/4 to 5 in. | (Shipped wt. 3 lbs. 12 oz.) | $15.68
| 9 A 2121 | Jacobs No. 59B, Capacity 3/4 to 5 in. Fits 1-1/2-in., 8-thread spindle. Cannot be used with any type of arbor. | 3/4 to 5 in. | (Shipped wt. 3 lbs. 8 oz.) | $18.76

**Drill Chucks**

| Item | Description | Capacity | Weight | Cost
|------|-------------|----------|--------|------
| 9 A 2142 | Jacobs No. 33 Key-type chuck. Fits arbors with No. 33 Jacobs taper. Capacity 3/4 to 3/4 in. | 3/4 to 3/4 in. | (Shipping weight 1 lb. 8 oz.) | $7.13
| 9 A 2143 | Jacobs No. 6A-33 key-type chuck. Fits arbors with No. 33 Jacobs taper. Capacity 0 to 3/4 in. | 0 to 3/4 in. | (Shipping weight 2 lbs. 8 oz.) | $7.60

**Jacobs Chucks for Electric Drills**

| Item | Description | Capacity | Weight | Cost
|------|-------------|----------|--------|------
| 9 A 2978 | Jacobs No. 18B, Capacity 0 to 3/4 in. Threaded 3/4 in.x24 thread. | 0 to 3/4 in. Threaded 3/4 in. | (Shipping weight 8 oz.) | $5.23
| 9 A 2979 | Jacobs No. 78B, Capacity 0 to 3/4 in. Threaded 3/4 in.x24 thread. | 0 to 3/4 in. Threaded 3/4 in. | (Shipping weight 10 oz.) | $5.23
| 9 A 2990 | Jacobs No. 33B, Capacity 1/4 to 5 in. Threaded 3/4 in. x 20 thread. | 1/4 to 5 in. Threaded 3/4 in. x 20 | (Shipping weight 1 lb. 3 oz.) | $7.12

**Jacobs Center Rest Chuck**

| Item | Description | Capacity | Weight | Cost
|------|-------------|----------|--------|------
| 9 A 2291 | Jacobs No. 100CR. Capacity 3/4 to 3/4 in. Must be used with No. 3 Jacobs taper arbor to support centerless armatures, etc. | 3/4 to 3/4 in. | (Shipping wt. 3 lbs. 2 oz.) | $10.45

**Jacobs Chuck Arbors**

Precision ground, extremely accurate to assure finest performance of spindle and chuck.

For 9A2142 and 9A2143 chucks of left.

9 A 2131—No. 9 Morse and No. 33 Jacobs taper. *Postpaid.*

For 9A2142 and 9A2143 chucks of right.

9 A 2123—No. 1 Morse and No. 33 Jacobs taper. *Postpaid.*

9 A 2124—No. 2 Morse and No. 33 Jacobs taper. *Postpaid.*

9 A 2124—No. 3 Morse and No. 33 Jacobs taper. *Postpaid.*

9 A 2125—No. 4 Morse and No. 33 Jacobs taper. *Postpaid.*

**Jacobs Chuck Keys**

| Item | Description | Capacity | Weight | Cost
|------|-------------|----------|--------|------
| 9 A 2051 | Jacobs No. 1 key. Fits Jacobs chucks No. 1, 1A, 1B, 1BB, 2B. | 1 key | (Shipping wt. 7 oz.) | $33.00
| 9 A 2054 | Jacobs No. 32 key. Fits following Jacobs chucks: Nos. 32, 32B, 32BB, 33, 33B, 33BB, 9, 11, 11N, 301. | 32 key | (Shipping wt. 7 oz.) | $68.00
| 9 A 2052 | Jacobs No. 3 key. Fits Jacobs chucks Nos. 3, 3A, 3B, 3AE, 6, 6A-2A, 6A-3B, 6B, 6AR, 14, 14N, 34, 34B, 34BB, 54B, 58B, 58EB, 75B, 75C, 75B, 75C | 3 key | (Shipping wt. 8 oz.) | $52.00
| 9 A 2053 | Jacobs No. 4 key. Fits Jacobs chucks Nos. 4, 16, 16N, 18, 18N, 36B, 39B. | 4 key | (Shipping wt. 12 oz.) | $76.00
| 9 A 2073 | Jacobs No. 7 key. Fits Jacobs chucks Nos. 7, 7B, 7LA, 7D, 235, 7BB. | 7 key | (Shipping wt. 7 oz.) | $38.00

**Jacobs Hand Tite Chucks**

| Item | Description | Capacity | Weight | Cost
|------|-------------|----------|--------|------
| 9 A 2175 | Jacobs No. 4164, Capacity 0 to 3/4 in. Tapped 3/4 in. x 20-thread. | 0 to 3/4 in. Tapped 3/4 in. x 20 | (Shipping weight 8 oz.) | $1.30
| 9 A 2145 | Jacobs No. 4165, Capacity 0 to 3/4 in. Tapped 3/4 in. x 24 thread. | 0 to 3/4 in. Tapped 3/4 in. x 24 | (Shipping weight 8 oz.) | $1.30
| 9 A 2165 | Jacobs No. 4166, Capacity 0 to 3/4 in. Tapped 3/4 in. x 20-thread. | 0 to 3/4 in. Tapped 3/4 in. x 20 | (Shipping weight 8 oz.) | $1.30
| 9 A 2176 | Jacobs No. 4364, Capacity 0 to 3/4 in. Tapped 3/4 in. x 20-thread. | 0 to 3/4 in. Tapped 3/4 in. x 20 | (Shipping weight 1 lb. 2 oz.) | $2.00
| 9 A 2147 | Jacobs No. 4365, Capacity 0 to 3/4 in. Tapped 3/4 in. x 24-thread. | 0 to 3/4 in. Tapped 3/4 in. x 24 | (Shipping weight 1 lb. 2 oz.) | $2.00
| 9 A 2177 | Jacobs No. 4366, Capacity 0 to 3/4 in. Tapped 3/4 in. x 20-thread. | 0 to 3/4 in. Tapped 3/4 in. x 20 | (Shipping weight 1 lb. 2 oz.) | $2.00
| 9 A 2149 | Jacobs No. 4465, Capacity 3/4 to 3/4 in. Tapped 3/4 in. x 24-thread. | 3/4 to 3/4 in. Tapped 3/4 in. x 24 | (Shipping weight 1 lb. 2 oz.) | $2.00

**Jacobs Hex Key Chucks**

| Item | Description | Capacity | Weight | Cost
|------|-------------|----------|--------|------
| 9 A 2928 | Jacobs No. 6425, Capacity 3/4 to 3/4 in. Bored 3/4-inch straight hole. | 3/4 to 3/4 in. Bored 3/4-inch straight hole | (Shipping weight 1 lb. 8 oz.) | $4.00

**Screw-on Chucks**

Most economical type of chuck that tightens by hand. For accurate, but not precise, work. For breast or hand drills, work on lathes, polishing hands, grinders, and flexible shafts.

**CRAFTSMAN 3-jaw Chucks...screw-on type**

| Item | Description | Capacity | Weight | Cost
|------|-------------|----------|--------|------
| 9 A 2244 | 3-jaw capacity; Shipping weight 5 ounces. | 3-jaw capacity | (Shipping weight 12 ounces) | $90.00
| 9 A 2245 | 3-jaw capacity; Shipping weight 5 ounces. | 3-jaw capacity | (Shipping weight 12 ounces) | $90.00

**CRAFTSMAN General-purpose Work Arbor**

| Item | Description | Weight | Cost
|------|-------------|--------|------
| 9 A 2164 | Shipping weight 12 ounces. | | $75.00

**Arbor with 3-jaw, 3/4-inch Drill Chuck**

| Item | Description | Weight | Cost
|------|-------------|--------|------
| 9 A 2151 | Shipping weight 1 pound 10 ounces. | | $150.00

Screw-on chucks are used to hold work being machined in lathes. They vary in size and according to headstock or tailstock use; type of material being worked; speed of operation.
# Craftsman Quality Lathe Chucks

## 3-jaw Universal Chuck
### For precise, heavy-duty work

**CRAFTSMAN** finest quality...true precision construction...best materials and craftsmanship. Jaws are controlled by single screw and pinion gear. Ideal for production work because of their great accuracy, leverage and holding power.

Chuck body casting of high-strength semi-steel construction. Special alloy metal scroll and alloy-steel pinion. Alloy steel jaws are heat treated and hardened; have raised, precision-ground steps. Accurate within standard chuck tolerances which is approximately .003 inches. Complete with two sets of jaws; one for outside and one for inside gripping. T-handle chuck wrench included. Fit lathes with spindle diameters and threadings listed below.

- [9 A 2148- Fits 1-inch by 8-thread spindle. Diameter 4 inches. Shpg. wt. 5 lbs. 3 oz. ... $35.00](#)
- [9 A 2150- Fits 1¼-inch by 8-thread spindle. Diameter 5 inches. Shpg. wt. 7 lbs. 14 oz. ... $36.50](#)

## 3-jaw Universal Chuck
### Low priced...for medium duty

**CRAFTSMAN** fine quality in design, materials and construction. Self-centering, lever-operated type...has only two main parts, body and scroll. Ideal for production work because of speedy gripping. Accurate within standard chuck tolerances which is approximately .003 inches.

Case-hardened, cold rolled steel jaws; polished steel body and scroll. Knurled rim permits easy hand operation. Body casting is precision threaded to fit directly on any of the listed: two sets of jaws; one for outside and one for inside gripping. Chuck wrench included. In four sizes. Fit lathes with spindle diameters and threadings listed below.

- [9 A 2299— Fits 3/4-inch by 20-thread spindle. Diameter 3½ inches. Shpg. wt. 2 lbs. 3 oz. ... $17.75](#)
- [9 A 2298— Fits 1-inch by 8-thread spindle. Diameter 4 inches. Shpg. wt. 3 lbs. 12 oz. ... $21.50](#)
- [9 A 2298— Fits 1½-inch by 8-thread spindle. Diameter 5 inches. Shpg. wt. 10 lbs. ... $25.50](#)
- [9 A 02299— Fits 1½-inch by 8-thread spindle. Diameter 6 inches. Shpg. wt. 15 lbs. ... $32.50](#)

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## Arbors and Chucks

**Work Arbors.** For mounting drill chucks and holding grinding, buffing and wire scratch wheels, etc. 3½-inch x 20-thread. Morse taper shank. 2 steel flanges with nut on end for clamping wheels.

- [9 A 2171— No. 0 Morse taper. Shpg. wt. 8 oz. ... 95¢](#)
- [9 A 2153— No. 1 Morse taper. Shpg. wt. 9 oz. ... 95¢](#)
- [9 A 2152— No. 2 Morse taper. Shpg. wt. 11 oz. ... 95¢](#)

**Work Arbors with Chucks.** 3-jaw, screw-on type chucks, 3½-inch capacity, tapped 3½ inch x 20-thread. Have Morse taper on shank end.

- [9 A 2274— No. 0 Morse taper with chuck and arbor. Shipping weight 1 lb. 8 oz. ... $1.90](#)
- [9 A 2274— No. 1 Morse taper with chuck and arbor. Shipping weight 1 lb. 8 oz. ... $1.90](#)
- [9 A 2274— No. 2 Morse taper with chuck and arbor. Shipping weight 1 lb. 8 oz. ... $1.90](#)

**Abrasive Disc Holders.** A handy accessory for converting your lathe, drill press, hand drill, electric drill, etc. into a sander or polisher. For use with abrasive discs, etc.

- [9 A 2446— 1½-inch diameter. Has 3½-inch straight shank. Shipping weight 6 oz. ... 63¢](#)
- [9 A 2447— 2-inch diameter. Tapped for use on any 3½-inch x 20-thread spindle. Shipping weight 9 oz. ... 90¢](#)

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## Craftsman Quality Lathe Centers and Accessories

**Lathe Centers.** (E) (F) Ideal for use on any lathe with 3½-inch straight spindle. Fasten with 2 set screws. Precision made, ground and polished steel. Especially designed for maximum strength and rigidity. Replaceable center points.

- [9 A 2219— Headstock Spur Center. For driving work between centers. Shpg. wt. 6 oz. ... 95¢](#)

**Tailstock Cup Centers.** Supports work in tailstock. Morse taper shank as listed below.

- [9 A 2209— No. 0 Morse taper. Shpg. wt. 3 oz. ... 70¢](#)
- [9 A 2210— No. 1 Morse taper. Shpg. wt. 7 oz. ... 75¢](#)
- [9 A 2211— No. 2 Morse taper. Shpg. wt. 7 oz. ... 75¢](#)

**Screw Centers.** For facing and hollowing operations. Replaceable center point. Morse taper shank as listed below.

- [9 A 2117— No. 0 Morse taper. Shpg. wt. 12 oz. ... 1.45](#)
- [9 A 2115— No. 2 Morse taper. Shpg. wt. 14 oz. ... 1.45](#)

**Spur Centers.** Use for wood turning. Accuracy ground for perfect fit. Morse taper shank.

- [9 A 2106— No. 0 Morse taper. Shpg. wt. 3 oz. ... 75¢](#)
- [9 A 2106— No. 1 Morse taper. Shpg. wt. 4 oz. ... 85¢](#)
- [9 A 2107— No. 2 Morse taper. Shpg. wt. 7 oz. ... 87¢](#)

**Precision ball bearing 60-degree center.** For hard wood or metal. (Center point rotates on ball bearing.) Recommended for high speed operations. Morse taper shank as listed below.

- [9 A 2112— No. 0 Morse taper. Shpg. wt. 8 oz. ... 2.90](#)
- [9 A 2113— No. 2 Morse taper. Shpg. wt. 8 oz. ... 2.90](#)

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**60-degree Centers.** Use for turning hard woods and metals. Choice of three Morse taper shanks as listed below.

- [9 A 2103— No. 0 Morse taper. Shpg. wt. 3 oz. ... 65¢](#)
- [9 A 2110— No. 1 Morse taper. Shpg. wt. 3 oz. ... 70¢](#)
- [9 A 2111— No. 2 Morse taper. Shpg. wt. 7 oz. ... 75¢](#)

**Tailstock Cup Centers.** Support work in tailstock. Morse taper shank as listed below.

- [9 A 2109— No. 0 Morse taper. Shpg. wt. 3 oz. ... 70¢](#)
- [9 A 2109— No. 1 Morse taper. Shpg. wt. 3 oz. ... 75¢](#)
- [9 A 2109— No. 2 Morse taper. Shpg. wt. 7 oz. ... 75¢](#)

**Screw Centers.** For facing and hollowing operations. Replaceable center point. Morse taper shank as listed below.

- [9 A 2117— Drill Center. Use in tailstock as rigid support for drilling flat or square work. Diameter of face, 3½ in. Steel shank has No. 2 Morse taper. Shpg. wt. 1 lb. 2 oz. ... 1.45](#)

**Precision ball bearing 60-degree center.** For hard wood or metal. (Center point rotates on ball bearing.) Recommended for high speed operations. Morse taper shank as listed below.

- [9 A 2112— No. 0 Morse taper. Shpg. wt. 8 oz. ... 2.90](#)
- [9 A 2113— No. 2 Morse taper. Shpg. wt. 8 oz. ... 2.90](#)
CRAFTSMAN Production Table

For use with oil or coolants. 19x185x24 in. Cast semi-steel; 10½x16½x in. ground surface. Oil trough surrounds table; ¾-in. x 18-thread outlet. Column bore 2½ in. Fits drill presses 99AM2314, 99AM2311, 99AM2313, 99AM2330. With Allen wrench for cap screws. Shipped freight or express from factory in Ypsilanti, Mich., from where you pay shipping charges on delivery.

99 A 23067—Shpg. wt. 50 lbs. $19.95

CRAFTSMAN "100" Drill Presses

Ball bearing industrial type

Drill to center of 1.5-inch circle. By far our finest drill press! Extra heavy duty! Meet the most rigid demands of professional craftsmen and industrial shops. Notice the modern designed streamlined head...no unsightly spindle extending above head. Famous "Floating Drive" spindle assembly eliminates side pull of belt and pulley "whip". Spindle "floats" within pulley! Four sets heavy duty, shielded precision ball bearings are used! Easy-acting three-lever feed handle. Jacobs No. 6A-33 chuck...0 to ½-inch capacity. Improved spiral coil spring quill return. Rubber cushion absorbs quill return shock; preloads quill bearings to take up wear and reduce spindle end play after long use. Positive-acting quill lock permits you to do routing, shaping and mortising using proper attachments. (Attachments not included; see pages 25 and 29.) Depth gauge graduated in 16ths of an inch. Accurate stop collar may be set for repetitive drilling. 10x10-in. ground cast semi-steel table tilts 0 to 90° right or left...slotted to hold fixtures. Taper pin maintains table in perfect alignment at horizontal (90°) position. Base has 10x10-in. working surface; slotted for attachments.

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Model 99 AM 2314</th>
<th>Model 99 AM 2313</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth of throat</td>
<td>7¾ inch</td>
<td>7¼ inch</td>
</tr>
<tr>
<td>Spindle</td>
<td>No. 33 Jacobs taper</td>
<td>No. 33 Jacobs taper</td>
</tr>
<tr>
<td>Chuck capacity (Jacobe 6A-33)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spindle travel</td>
<td>4 inches</td>
<td>4 inches</td>
</tr>
<tr>
<td>Depth gauge, graduations</td>
<td>¼½ of an inch</td>
<td>¼½ of an inch</td>
</tr>
<tr>
<td>Column diameter (outside)</td>
<td>2½ inches</td>
<td>2½ inches</td>
</tr>
<tr>
<td>Table size</td>
<td>10x10 inches</td>
<td>10x10 inches</td>
</tr>
<tr>
<td>Table travel</td>
<td>41½ inches</td>
<td>41½ inches</td>
</tr>
<tr>
<td>Distance table to chuck, max</td>
<td>41½ inches</td>
<td>41½ inches</td>
</tr>
<tr>
<td>Machine and motor pulleys (included)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor recommended, minimum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 speeds from</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall dimensions: Height</td>
<td>18½ inches</td>
<td>18½ inches</td>
</tr>
<tr>
<td>Width</td>
<td>24 inches</td>
<td>24 inches</td>
</tr>
<tr>
<td>Depth</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

99 AM 2314—Floor model without motor. Shpg. wt. 181 lbs. $82.50
99 AM 2313—Bench model without motor. Shipping weight 126 lbs. $72.50
ROSE TOOLS, INC.

Ball bearing Drill Press

CRAFTSMAN "80" Professional quality. Heavy duty type for wood and metal. No. 64-33 Jacobs key chuck; 0 to 1/4 inch capacity; with key. Four sets heavy duty, shielded precision ball bearings and "Floating Drive" spindle assembly assure smooth operation.

Drills to center of 13/24-inch circle. Improved spiral coil spring quill return. Rubber cushion absorbs quill return shock and preloads quill bearings. Adjustable stop collar for repetitive drilling. Depth gauge graduated in 16ths. 23/44 inch diameter column.

Perfectly aligned table. Tapered pin holds table on support in alignment at horizontal position. Table can be tilted 0 to 90 degrees right or left. Table and base both cast semi-steel; slotted for attachments.

SPECIFICATIONS:
- Depth of throat: 3/4 inches
- Spindle: No. 33 Jacobs taper
- Bearings: 4 sets precision ball
- Chuck capacity: 0 to 3/4 inch
- Spindle travel: 3/4 inches
- Depth gauge graduations: 1/4 inch
- Depth of column diameter: 2 3/4 inches
- Table size: 9 9/16 inches
- Table travel: 10 3/4 inches
- Table to chuck, maximum: 10 3/4 inches
- Base size: 11 1/16 inches
- Base to chuck, maximum: 14 5/8 inches
- Machine and motor pulley (included): 5 in. 4-step
- Motor recommended, minimum: 3/4 H.P., 1750 R.P.M.
- Eleven speeds: 625 to 5000 R.P.M.
- Mounting dimensions: 8 5/16 x 12 3/4 inches
- Overall dimensions: Height 31 1/4 inches; width 11 1/16 inches; depth 16 9/16 inches

$62.50 CASH
$6.50 DOWN ON TERMS
$87.45 with motor

Bronze bearing Drill Press

DUNLAP. A good quality drill press... ideal for drilling operations in smaller shops. Accurate... smooth running... does efficient work in either wood or metal.

Drills to center of 12 1/4 inch circle. Runs on three long-life bearings, self-lubricating bronze bearing; ball thrust bearing absorbs spindle thrust. Famous "Floating Drive" spindleassembly eliminates side pull of belt and pulley "whip"; helps give smoother operation.

Has No. 33 Jacobs key chuck (1/2 inch capacity) with key. No. 33 Jacobs taper spindle. Adjustable stop collar for repetitive drilling. Depth gauge accurately graduated in 16ths of an inch. Improved spiral coil spring quill return; rubber cushion absorbs return shock.

Smooth ground cast semi-steel table. 7/4 x 1 7/8 inch working surface on both table and base. Both table and base slotted for attachments. Table does not tilt.

SPECIFICATIONS:
- Depth of throat: 3/4 inches
- Spindle: No. 33 Jacobs taper
- Bearings: 1 ball thrust; 3 porous bronze
- Chuck capacity: 1/2 to 3/4 inch
- Spindle travel: 3 inches
- Outside diameter of column: 13 1/4 inches
- Table size: 7 3/4 x 7 3/4 inches
- Table travel: 8 3/4 inches
- Table to chuck, maximum: 8 3/4 inches
- Base size: 9 7/8 inches
- Base to chuck, maximum: 11 1/8 inches
- Machine and motor pulley (included): 6 in. 4-step
- Motor pulley (not included): 3-inch 3-step
- Motor recommended, minimum: 3/4 H.P. 1750 R.P.M.
- Belt (included): 3 6 x 56 inches
- Seven speeds: 750 to 4000 R.P.M.
- Overall dimensions: Height 26 5/8 inches; width 10 1/4 inches; depth 15 1/4 inches
- Shipping weight: 160 pounds

$39.50 CASH
$4.00 DOWN ON TERMS
$66.00 with motor

Low priced Drill Press

DUNLAP. A good, economy-priced drill press for your hobby or small home workshop. For drilling wood or metal.

Drills to center of 9 inch circle. Two top quality self-lubricating porous bronze bearings; one ball thrust bearing.

Adjustable head, table and idler drive. Screw-on type chuck; 1/4-inch capacity. Ground steel column. Smooth ground table. 3 1/2 x 8 inch V-belt included.

SPECIFICATIONS:
- Depth of throat: 1/2 inch
- Spindle: 1/4 to 1/2 inch
- Bearings: 2 porous bronze; 1 ball thrust
- Chuck capacity: 0 to 1/4 inch
- Spindle travel: 1 3/4 inches
- Outside column diameter: 1 3/4 inches
- Table size: 5 3/4 x 5 3/4 inches
- Table travel: 10 7/8 inches
- Table to chuck, maximum: 10 7/8 inches
- Base size: 6 1/2 x 6 1/2 inches
- Base to chuck, maximum: 11 1/2 inches
- Machine pulley (included)
- Motor pulley (not included), 3-inch 3-step
- Motor recommended, minimum: 1/2 H.P. 1750 R.P.M.
- Belt (included): 1 1/2 x 56 inches
- Seven speeds: 750 to 3450 R.P.M.
- Mounting dimensions: 8 x 6 1/2 inches
- Overall dimensions: Height 24 3/4 inches; width 13 1/4 inches; depth 16 1/2 inches
- Shipping weight: 26 pounds

$14.50
$2.75 with motor

$14.50
$2.75 with motor

$14.50
$2.75 with motor
Fine quality, precision-made Drill Press Accessories...

Head and Table Lift
For CRAFTSMAN 99AM2314 and many other floor model drill presses with 2¼-inch outside diameter press columns. For fast, easy raising or lowering of drill press head or table. Support columns for drill head and table are positioned by Acme-threaded lift screw with bevel-gear drive controlled by handy crank handle. Both support columns have co-ordinate clamp locks. When head support collar is tightened, lower collar may be loosened for raising or lowering table. Similarly, when table collar is tightened, it serves as support for positioning drill press head.

Each turn of crank gives ¼-inch travel. Maximum travel at any one setting is 12 inches. Two bevel gears, thrust bearing and crankshaft are all housed in gear case which is cast in one piece with the upper support collar for extra strength. Ball thrust bearing absorbs the load on the screw.

99 A 02419—Shpg. wt. 30 lbs. $18.50

CRAFTSMAN Shaper Fence Attachment

New! Makes your drill press more useful for making picture frame, saesh and many types of moulding and trim. The answer to the home craftsman who has limited use for a separate shaper. Fits drill presses 99 AM 2314, 99 AM 2313, 99 AM 2364 and 99 AM 2362 on pages 26 and 27 or most any other drill press. Unit fastens to drill press table with fast-acting wing nuts. Once installed, it can be left undisturbed during all operation adjustments. Fence faces of hard-wood, each 6³/₄ x 2³/₄ in., have separate finger-tip, micrometer-type adjustments with 1/4-in. maximum forward and back travel; and open from 1-in. for smallest diameter shaper cutter to 3-in. maximum for large cutters or sanding drum work; lock separately for accuracy. Fence faces are planned to within .005-in. accuracy after assembling of unit. One-piece cast aluminum has opening in back for chip outlet. Cutter enclosed for maximum safety. Adjustable steel hold-downs for constant pressure on work, have easier action "one-screw" locks. Entire hold-down assembly shifts quickly, to either end of unit for regular or reverse feeding. Use with cutters and attachments on opposite page.

9A 2487—Shipping weight 5 pounds. $11.00

Adapters and Cutters

Adapter for 9 A 2438 saesh cutter below. Fits spindles of drill presses 99AM2314, 99AM2313, 99 AM 2364 and 99 AM 2362, (see pages 26 and 27), or any drill press with No. 33 Jacobs taper spindle and threaded locking collar to hold adapter flange securely.

9 A 2437—Shipping weight 7 ounces. $1.25

Saesh Cutter. For 9A 2437 above. $0.35

9 A 2439—Shipping weight 4 ounces. $2.79

CRAFTSMAN Drill Press Shaper Set

New! Economical! Converts your drill press into an efficient shaper at very little extra expense. Shapes almost any contour you wish, including tongue-and-groove. Attachment is 4¼-in. high, with 1¾x4½-in. spindle. Operates at 5000 R.P.M.; has blade guard for safety. With 5 assorted tool steel cutter blades, ¾-in. wide, and Allen wrench. Should be used with ¾-in. collet chuck on any drill press (see opposite page).

9 A 2486—Shipping weight 8 oz. $2.85

Drill Press Instruction Book


9 A 2921—Shipping weight 2 oz. $.35

Drill Press Collars

Locks on column under drill press head or table. Makes it easy to swing head or table around for working at different positions. Makes your drill press work much easier to handle.

9 A 2429—For drill presses on page 26, or any drill press with a 2¾-in. outside diameter column. Shpg. wt. 2 lbs. $1.85

9 A 2427—For 99 AM 2364 and 99 AM 2366 drill presses on page 27, or any drill press with a 2¼-inch outside diameter column. Shipping weight 2 pounds 8 ounces. $1.85

CRAFTSMAN Multi-Speed Attachments

Permits you to use the correct speed for every drill press job. The right speed means better performance and smoother cutting. Enables you to get the most out of your drill press. Gives you 20 speeds from 200 R.P.M. to 15,000 R.P.M. 8 speeds are under 1,000 R.P.M., a complete range for the low speeds required for metal drilling even with ¾-inch drills. The remaining speeds offer correct, most efficient speed for wood drilling, shaping, routing, carving, dovetailing, etc.

Finest ball bearing construction. Balanced 4-step, cone-type pulley. 2 V-belts included. We recommend the use of 5½-H.P. 1750 R.P.M. motor (minimum) to secure sufficient power for high speed work.

9 A 2394—Shpg. wt. 5 lbs. $10.25

9 A 2399—Shpg. wt. 5 lbs. $10.25

Hold-down and Guide

CRAFTSMAN. Made to fit almost any drill press table. An indispensable aid in mortising, routing, planing or repetitive drilling. Fingers on the hold-down prevent work from being lifted when chisel or drill is raised. It is easily and quickly adjustable for thick or thin materials. Fence keeps work lined up accurately. Attachment bolts to your drill press table; may be adjusted forward or backward simply by loosening bolts. Fence section can also be used without the hold-down to serve as a guide in routing, lay work, repetitive drilling and similar operations. Durable heavy cast iron construction assures accurate operation. Grease enameled finish. Shipping weight 6 pounds 6 ounces.

9 A 2457. $4.00

$11.00
make your drill press a much more useful shop tool!

Shaper Cutters for drill press or shaper

Of finest quality, hardened alloy steel, precision machined. keen, long lasting edges, ground to exact dimensions. Cutters have 3/4-in. bore. Use with adapter 9 A 2415 below, when used on drill press with Jacobs taper. Sharpen by grinding front only on flat, fine grit wheel.

A Complete matched set of tongue and groove cutters to be used in connection with your drill press or shaper. Precision ground and matched for accurate fit. 3/4-in. bore, 1-in. high, 3/4-in. radius.

9 A 2563—Shp. wt. 10 oz.,................. Set $3.75
9 A 2345—Large, size cutter 1-in. high, 3/4-in. radius. Shp. wt. 8 oz. Each $2.75
9 A 2347—Large size cutter. 1-in. high, 3/4-in. radius. Shp. wt. 8 oz. Each $2.75
9 A 2346—Large size cutter. 1-in. high, 3/4-in. radius. Shp. wt. 8 oz. Each $2.75
9 A 2348—Large size cutter. 1-in. high, 3/4-in. radius. Shp. wt. 8 oz. Each $2.75
9 A 2319—1/4-in. high, 3/4-in. radius. Shp. wt. 8 oz. Each $2.75
9 A 2327—1/2-in. high, 3/4-in. radius. Shp. wt. 6 oz. Each $1.50
9 A 2321—1/4-in. high, 3/4-in. radius. Shp. wt. 6 oz. Each $1.50
9 A 2360—1/2-in. high, 3/4-in. radius. Shp. wt. 6 oz. Each $1.50
9 A 2370—1/2-in. high, 3/4-in. radius. Shp. wt. 6 oz. Each $1.50

B Adaptor for all 3/4-in. bore shaper cutters shown at left and above. Fits spindles of Craftsman drill presses 9 A 2314 and 9 A 2313, 9 A 2362 and 9 A 2364, (pages 26 and 27), or any drill press with No. 33 Jacobs tapered spindle and knurled locking collar.

9 A 2435—Shipping weight 7 oz............................. $1.30

Shaper Collars. Mount beneath shaper cutters to control depth of cut on curbed work. Fit 3/4-in. spindle. Set of 5.

9 A 2367—Shipping wt. 6 oz., Set $1.85

Woodworking Cutters

For drill-press carving, round-end mortising, dovetailing, boring, round edging, reeding and general routing. Precision made from finest quality high speed steel. keen edges, perfectly ground to exact dimensions. All have 3/4-in. shanks. Use with either 9 A 2455 or 9 A 2471 collet chucks shown below. Routing bits are used most efficiently work is held against a fence to obtain parallel and accurate routing (see 9 A 2457 Hold-down Guide at bottom of opposite page). Caution: Use these cutters in collet chucks only—NEVER in Jacobs or other three-jaw drill chucks! Shp. wt. each 6 oz.

W 9 A 2400—1/4-in. router...$1.20
X 9 A 2401—1/4-in. router...$1.30
Y 9 A 2402—1/4-in. router...$1.30
Z 9 A 2403—1/4-in. router...$1.30
AA 9 A 2404—1/4-in. router...$1.30
BB 9 A 2409—1/4-in. dovetail...$1.30
CC 9 A 2410—1/4-in. dovetail...$1.30
DD 9 2411—1/4-in. dovetail...$1.30
EE 9 A 2415—1/4-in. carving...$1.50
FF 9 A 2416—1/4-in. carving...$1.80

Collet Chucks

Screw-on type collet chuck. Use with cutters above. Fit drill press or any 3/4-in. x 20 thread spindle (see 9 A 21710 and 9 A 21712, page 27).

9 A 2271—3/4-in. capacity. Shp. wt. 3 oz. 98c
9 A 2269—3/4-in. cap. Shp. wt. 3 oz...$1.20

Collet chuck for cutters above or any 3/4-in. x 20 thread shank. 3/4 in. capacity with 3/4-in. bushing. Fits any drill press with No. 33 Jacobs taper spindle having threaded locking collar on spindle. Replaces 4-jaw chucks for any work involving side thrust, as in routing. Threaded collar holds chuck securely.

9 A 2455—Shp. wt. 8 oz...$1.35

Circular Hole Saw

For drill presses, electric drills, etc. Finest quality, heat treated high speed steel. Cuts clean, round holes in wood or metal. Depth of cut 3/4 in. Fits 3/4-in. chuck or larger. Mandrel, center drill and blade complete. State size.

Size, in. 1/4 3/8 1/2 3/4 1" 1 1/4 1 1/2 2 2 1/2 3 3 1/2 Shp. wt. 3 oz. 6 oz. 9 oz. 12 oz. 15 oz.

9 A 2567—Shp. wt. 6 oz. 80c
9 A 2567—Shp. wt. 9 oz. 80c
9 A 2567—Shp. wt. 12 oz. 80c

Saw Blade only for circular hole saw


9 A 2689—Shp. wt. 3 oz. 80c
9 A 2690—Shp. wt. 6 oz. 80c
9 A 2691—Shp. wt. 9 oz. 80c

Rose Tools, Inc.
ROSE TOOLS, INC.

Fine quality, useful Drill Press Accessories

DUNLAP Drill Press Vise
A low-priced vise to increase accuracy of your drilling operations... holds work firmly in position while it is being drilled or worked on. Increases the range in size of work you can handle. Makes working with small pieces easier, safer, and more convenient.

Strong, accurately-cut steel screw; knurled end; sliding handle. Cast of non-ferrous metal. 2½ inch jaws with steel faces; open 3 inches. With 2 extra cast iron jaws; one for round or irregular work; one for tapered pieces. Overall length 10¼ inch.

9 A 2436—Shipping weight 4 pounds .......... $3.10

CRAFTSMAN Drill Press Vise
Our newest and finest drill press vise! Precision-squared sides make it possible to use this vise on end, or on either side, in addition to its normal position. Can be used with magnetic chuck.

Accurately machined from highest quality iron castings. Adjusting screws are made of hardened steel with a fine pitch thread and long bearing in vise body. 2½ inch hardened steel jaws are grooved horizontally and vertically for holding round pieces; open to 3¼ inches. Overall length 9½ inch.

9 A 2755—Shipping weight 4 lbs. 12 oz. ....... $4.95

CRAFTSMAN Angle Vise
Designed for quick, accurate set-ups without the use of clamps or wedges. Can be adjusted to full 90 degrees or used like ordinary vises when horizontal. Accurately graduated and ready for instant use by locking support screws. Can be used with magnetic chuck.

Accurately machined from highest quality iron castings. Hardened steel adjusting screws; fine pitch thread; long bearing in vise body. 2½ inch hardened steel jaws are grooved for holding round pieces; open to 2½ inches. Overall length 9 inches.

9 A 2756—Shipping weight 9 lbs. 12 oz. .......... $7.95

CRAFTSMAN Drill Press Milling Vise
Use this drill press milling vise to increase the usefulness of your drill press! This versatile accessory enables you to handle all types of accurate drilling, layout and spacing work—straight lines, radial and circular work; also light milling. Can be used with shaper, lathe or grinder for jobs in which accurate feeds in one or two directions are required.

Bolts on drill press table. The work is locked on the table between two adjustable jaws. By use of the two cross feed controls, work may be moved to any desired horizontal position. Base is graduated through 180 degrees so vise table may be rotated to any angle and set accurately.

Table is 7½ inches. Travel on both cross feeds is 6 inches. Capacity of vise is 3½ inches. Husky jaws are 3 inches wide; 1½ inches high. Dowel tailed ways assure smooth, accurate operation at all times. Comes with wrench. Shipping weight, 32 pounds.

99 A 02432. $33.50

Buy any accessories you wish on Easy Terms. See inside front cover

CRAFTSMAN Drill Sets
Our finest CRAFTSMAN twist drills for home, shop and industrial use. Highest quality steels, expertly tempered and hardened.

Precision ground to exact size; cut cleanly and easily in wood or metal.

Your choice of low speed carbon tool steel or high speed steel. Use carbon tool steel drills for hand, bench or drill press operating at relatively low speeds; use high speed drills for high speeds in electric drills and power driven drill presses.

Sets come in drill stand with hole sizes clearly marked for quick selection of drills. Stands may be used as drill gauges.

- Ten-piece drill sets in stand. Sizes 1/64, 3/64, 1/32, 5/64, 3/32, 7/64, 1/16, 3/32, 5/32, and 3/16 inch. Shipping weight per set, 6 oz. 9 A 6705—10-pc. carbon tool steel drill set and stand... $1.85
- 9 A 6705—10-pc. high speed steel set and stand... $3.30

- 60 wire gauge drills, sizes 1 to 60, in drill stands. Shipping weight, per set, 2 lbs. 12 oz. 9 A 6701—60-pc. carbon tool steel set and stand... $8.95
- 9 A 6707—60-pc. high speed steel set and stand... $18.30

CRAFTSMAN Circle Cutters

9 A 3640—Shipping weight 10 oz. ......... $2.29

CRAFTSMAN Roto-Vert Senior
For drill press and electric hand drills having chuck capacity of 3/4 inch or greater. Easily attached to drill presses having depth gauges as illustrated. Converts electric drill or drill press into a power sawing and filing machine. Uses standard hack saw blades and files.

Only two moving parts... both made of tough, wear-resistant tool steel. No gears or springs to break or get out of order. Solid brass case has gray wrinkle finish; contrasting chromium plated socket. All parts accurately machined and assembled. 5 7/8 inches long. With instructions.

9 A 2600—Shipping weight 2 lbs. 13 oz. .... $10.95

30 ... SEARS, ROEBUCK AND CO., Zone 1

Drill Grinding Attachment
CRAFTSMAN. Now you can re-point your drills with factory accuracy! Strong, non-rusting die-cast aluminum frame. May be adjusted for all popular drill point angles, including countersinks. Will handle twist drills of the following sizes: 1/4 to 5/8 in.; No. 1 to No. 30; A to Z; 3.0 to 19.00 millimeters. Easy to use. Instructions.

9 A 6677—Shipping weight, 2 lbs. 8 oz. .... $4.95

Tapered Adapter
Enables you to fit 2 Morse male taper shank drill to #33 Jacobs male taper spindle. Shipping weight 8 oz.
9 A 2445..... $2.40

CRAFTSMAN Circle Cutters

9 A 3640—Shipping weight 10 oz. ......... $2.29

Heavy duty for larger jobs. 3/4-inch shank for use in drill presses or electric drills. Easy adjustment. Cut holes 2 to 8-inch diam. up to 1 inch deep; in sheet steel, aluminum, brass, wood, plastic, fiber, etc. For pipe or ventilator holes; instrument panels on radios, auto's, etc. With removable high speed steel bit.

9 A 3641—Shipping weight 10 oz. ......... $4.50

ROSE TOOLS, INC.
Feeler Gauge, Drill Gauge, Wire Gauge, Thread Gauge, Rules


CRAFTSMAN Drill Gauges. Professional quality. Made of hardened steel, polished. Sizes 1/8 to 1/2 in. $1.19

CRAFTSMAN Machinists’ Hook Rule. Professional quality. Tempered steel. Length, 6 in.; width, 3/4 in. Graduated in 64ths on one side; 32nds on other. $1.85

CRAFTSMAN Combination Rule. Stainless steel. Square bevel protractor, circle finder, divider, drill gauge. Marked in 32nds and 64ths. Comes in protective leatherette case. $4.95

BB CRAFTSMAN Thread Gauge. Finest quality. Gages for screws on V-threads, 32nds, 32nds and 64ths. $1.85

CC CRAFTSMAN Reference Table. Tempered steel. 4-in. rule. Fractions, decimals, graduations to 32nds. One side; reference table for tap and drill data, 64ths on other side. $1.65

DD CRAFTSMAN Protractor. Professional quality. Stainless steel. Rigid rule head has 4 working faces. Graduated 0 to 180 degrees. $98

Build your order up to $20 and use Sears Easy Terms. See inside front cover for all the details

Zones 1-3-4 POWER TOOL - 31
CRAFTSMAN Flexible Shafts...many tools in one

Construction features below show why you get superior performance

1

72-in. casing has an oil-tempered spring steel liner with an oil-resistant cotton fabric jacket inside a steel wire and braid reinforced synthetic rubber cover. Motor-end is spiral steel reinforced for resistance to wear.

CRAFTSMAN 72-inch Flexible Shaft

Extra long...and tough. Ideal for heavy duty use in garages, shops, factories and industrial plants.

Chrome plated steel hand piece and motor coupling both have extra large precision ball bearings for smoother operation and longer wear. Knurling on hand piece gives firm, non-slip grip. Black, rust resistant steel end fittings.

Extra long, 72-inch shaft. Fits 1/4-inch motor shaft. Spindle is 1/4-inch, 20-thread. Core is of 1/4-inch high carbon steel wire, helically-wound, multi-strand. Inner casing is of helically wound steel, covered with heavy, abrasion-resistant synthetic rubber jacket...steel impregnated...will not scratch surfaces.

Unusually flexible! Absolutely leakproof! Supports core evenly. The spiral steel chrome finish outer reinforcement at end of shaft protects jacket. Complete with casing, core, motor coupling, hand piece and simple instructions for correct usage.

99 A 02655—CRAFTSMAN 72-inch Flexible Shaft without motor. Shipping weight 1 lbs. $26.95
99 AT 2629—CRAFTSMAN 72-inch Flexible Shaft with 1/32-H.P. 1750 R.P.M. capacitor ball bearing motor for 110-120 volt 60-cycle A.C. Shpg. wt. 45 lbs. $51.90
9 A 2682—Extra Core for above flexible shafts. Shipping weight 3 lbs. 4 oz. $6.75

2

Cores of helically wound, high carbon steel wire (23 wires, 5 layers in 50-inch shaft; 35 wires, 6 layers in 72-inch shaft) have tensile strength of 240,000 to 270,000 pounds per square inch.

CRAFTSMAN 50-inch Flexible Shaft

For general use in the home, garage or repair shop. It's smooth...quiet running...and transmits power from motor to driven tool with minimum power loss. 50 inches long. Fits any 3/16-inch motor shaft. Smooth operating, ball bearing hand piece, with 3/16-inch 20-thread spindle. The motor coupling also runs on ball bearings. Hand piece and motor coupling are made of non-rusting aluminum alloy. Black, rust resistant end fittings.

Two layers of steel in casing. Inner layer is tempered spring steel and outer layer is soft steel. Practically leakproof. 3/16-inch core is made of helically-wound high carbon steel wire. Complete with casing, core, motor coupling, hand piece and instructions.

99 A 02633—CRAFTSMAN 50-inch Flexible Shaft without motor. Shipping weight 5 lbs. $9.25
99 AT 2619—CRAFTSMAN 50-inch Flexible Shaft with 1/32-H.P. 1750 R.P.M. capacitor ball bearing motor for 110-120 volt 60-cycle A.C. Shpg. wt. 28 lbs. $19.75
9 A 2634—Flexible Shaft Extension (not shown). 38 inches long. Complete construction as above flexible shaft. Without hand piece or motor coupling. Shipping weight 3 pounds 6 ounces. $3.65
9 A 2623—Extra Core for above flexible shaft or extension. Shipping weight 1 pound. $1.15

Flexible Shaft Accessories

A CRAFTSMAN Wheel Guard. Protects hands and eyes from danger of flying particles and grit. Fits 99 A 02633 and 99 AT 2619 (listed above) or any flexible shaft with 3/16-inch diameter hand piece. Hand guard. Use with any 4-inch grinding wheel or wire wheel. Shipping weight 2 lbs. 4 oz. $3.50

B CRAFTSMAN Wheel Guard. Made to fit 99 A 02655 and 99 AT 2629 (listed above) or any flexible shaft with 7/32-inch diameter hand piece. Hand guard. For use with 4-inch grinding wheel or wire wheel. Shipping weight 2 lbs. 4 oz. $3.50

C CRAFTSMAN Angle Head. Ideal for sanding and polishing operations. Gives better control of sanding discs...for more accurate work. Cast aluminum head. Ball bearings take thrust; needle bearings take radial load. 1-to-1 gear ratio. Removable rubber grip handle. Fits only 99 A 02655 and 99 AT 2629 (listed above). Shipping weight 2 lbs. 8 oz. $29.95

3

50-in. shaft casing has inner layer of tempered spring steel. Outer layer of soft steel resists lubrication leakage; also resists rust. Makes shaft more flexible...run smoother.

CRAFTSMAN 50-in. Flexible Shaft Set

Makes grinding, sanding, cleaning, polishing, drilling, and rust removal far easier. Set includes:


Motor: DUNLAP 1/32-H.P. 1750 R.P.M. sleeve bearing split phase for 110-120 volt 60-cycle A.C.

Buffing Equipment: 6-in. double-thickness sewed buff; 6-in. bar of rouge buffing compound for soft, nonferrous metals; 6-in. bar of Tripoli (brown) buffing compound for aluminum, brass, wood, plastics, etc. Also 4-in. rubber and abrasive polishing wheel, 7/32-in. thick, 7/32-in. bore; 7/32-in. flexible sanding plate with medium grit abrasive; 3-jaw chuck, screw-on type, 1/4-in. capacity.

Shipping weight 32 pounds. $23.45
99 A 02650—Complete set, without motor. Shipping weight 8 pounds 16 ounces. $12.95

Grinding Tools

Mounted grinding tools for use on flexible shafts. Points made of highest quality vitrified aluminum oxide. Accurately mounted on 3/16-inch steel shafts; run true. For finish work, die cutting, or other grinding work. Sizes given are stone sizes. Use 9 A 6458 for sharpening 9 A 2420 hollow chisel (page 19). Shipping weight each 3 ounces.

<table>
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<th>Length</th>
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<td>(L) 9 A 6468</td>
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<td>$45.00</td>
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<td>1/16 in.</td>
<td>$45.00</td>
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CRAFSTMAN

Rotary Electric Tool

Hundreds of uses in every industrial or home workshop

Expert craftsmen, hobbyists—even novices will get a real thrill from using this superb CRAFTSMAN Rotary Electric Tool. It will help you turn out fine work, quickly, easily, accurately... for pleasure or profit! Excellent for home or shop, hobby or professional work... for maintenance, tool room, light production work... and scores of other jobs!

You can use the CRAFTSMAN Rotary Electric Tool for:
- Grinding, drilling, routing, carving, sawing, cutting, engraving and sharpening...
- On wood, metal, glass, leather, plastics and other materials. It polishes, buffs, brushes, smooths, cleans... truly a whole shop-full of tools in one!

Notice all these quality features! Precision-built throughout! Powerful, 18,000 R.P.M., universal motor for 110-120-volt, 25-60 cycle, A.C. or D.C. has improved fan cooling system; grease-packed precision ball-bearing in front; self-aligning bronze bearing. Large size brushes are replaceable from outside. Balanced armature and built-in commutator. Built-in condenser reduces radio static. Has positive-break, on-off switch. 1000-volt tested. Entire tool—not just cord and plug—approved by Underwriters’ Laboratories, Inc.

Has removable pistol-grip handle, and removable finger-rest over chuck for close, accurate work. Accurate collet chuck with 2 collet inserts (capacities, 3/16-inch and 5/32-inch) assures solid locking of accessories. With 3/4-foot heavy rubber covered cord, and unbreakable plug. Overall length of tool, 7 inches. Weighs only 1 1/2 pounds, less cord.

For completeness, above 15 accessories assure great versatility. Set includes one each of all the accessories shown at right plus right extra mandrels, sanding sleeves and abrasive discs, gripping ring, 2 chuck wrenches, collet chuck, with 2 collet inserts, emery wheel dresser, and set of motor replacement brushes... actually 52 pieces in all... in lined, simulated leather covered workbox case.

CRAFTSMAN Deluxe Electric Hand Grinder

Rugged quality, for particular craftsmen in shop or tool room. Underwriters’ Labs. approved. Extra capacity... handles 3/4, 5/8 and 3/8-in. shank tools. Extra power... 4 times the power of 9A2562. 17,000 R.P.M. motor (110-120-volt, 25-60 cycle A.C. or D.C.); 8-ft. cord, and plug. Handles big jobs without stalling. Extra versatility... sand, sharpen, grinds, saws, etc., works in wood, metal, plastics, glass. Extra utility... converts in seconds to a flexible shaft tool (see 9A3107, below). Aluminum slip-sleeve covers chuck for safety; permits more accurate work. Complete with 25 accessories: files, burs, wheels, brushes, arbors, etc. in metal box.

CRAFTSMAN Flexible Shaft and Hanger Set

Converts 9A2516 into a high-speed flexible shaft tool in seconds. Also for electric drill or drill press. 36-in. shaft; cover resists moisture, oil, grease. 3/4-in. handpiece. Slip-sleeve covers chuck. For 3/4- and 5/8-in. shank tools. Nickel-plated hanger bracket holds 9A2516 grinder as shown.

CRAFTSMAN High-speed Flexible Shaft Outfit

Look at the many features of this new flexible shaft outfit. Pen-type handpiece permits more accurate work. Sensitive finger-tip control. Motor doesn’t obstruct view of work. You can grind, polish, sharpen, engrave, clean, mill, carve, etc.... do dozens of other jobs on wood, metal, glass and plastics. 15,000 R.P.M. motor (110-120-volt). 25-60 cycle A.C. or D.C. 215 more powerful than 9A2562. 8-ft. cord, and plug. 30-in. flexible shaft; 5/8-in. handpiece with aluminum sliding sleeve over chuck (holds 3/4- and 5/8-in. shank tools); 10 accessories. In carry-ovy of 9A2516 grinder as above.

ACCESSORIES FOR CRAFTSMAN

ROSE TOOLS, INC.
ROSE TOOLS, INC.

**Craftsman ¼-in. Electric Drills . . . power-packed**

These popular, powerful little brutes are taking the place of large, heavy, hard-to-handle drills. That’s why these Craftsman "80" drills are small . . . light . . . easy to handle, even in close places and lighted and easily stored. Ideal for use by maintenance men, small shops, garages, hobby shops, etc. Don’t let their size and weight fool you! We have tried to steal one of them, using a ¼-inch bit on steel plate . . . it just couldn’t be done!

**Expertly designed and engineered.** Durable die-cast aluminum frame is exceptionally strong for its light weight (actually less than 3 pounds). Ball bearing construction gives true running, dependable, long life. Precision ball bearing on front end of motor; self-aligning rear bearing. Spindle needle bearing; ball thrust bearing. Equipped with famous Jacobs No. 1B geared key chuck . . . ¼-inch capacity . . . seats drills firmly, yet easily removed.

**Double reduction gears . . . precision machine-cut from special alloy steel . . . perfectly meshed for smooth, quiet operation and longer, more practical spindle speed. No-load chuck speed, 1600 R.P.M. Equipped with powerful universal motor for use on 110-120 volt, 25 to 60-cycle, A.C. or D.C., approved by Underwriters' Laboratories, Inc.** Each drill comes complete with 10-foot, 3-wire, rubber-covered power cord and unbreakable plug. Your choice of two popular models—with pistol-grip handle or saw grip handle, as listed below.

- **9 A 2577—Pistol-grip handle. Has single pole toggle switch. Overall length 7¼ in. Shpg. wt. 4 lbs. 5 oz. $22.50**
- **9 A 2576—Saw-grip handle. Has single pole safety switch. Overall length 9¼ in. Shpg. wt. 4 lbs. 8 oz. $22.50**

**Craftsman Drill Press Stand $11.95**

Now you can convert any ¾-inch electric drill on this page into a fast, accurate, sturdy drill press. Greatly increases drill's usefulness . . . ideal for maintenance shops and hobbyists.

Drills can be easily installed in clamp and quickly aligned. Clamp can be rotated 360°. Permits horizontal polishing and sanding as well as vertical drilling. Feed handle has compound leverage . . . makes it easier to drill through steel. Built-in compression spring holds drill in raised position when not in use.

Maximum head travel, 1¼ in. Outside column diameter, 1¼ in. Depth of cut collar. Cast iron base table has 6½-in. ground working surface; with center hole and diagonal slots. Overall height 25 in. Can also be used with 9A2516 electric hand grinder (see page 33). Shpg. wt. 16 lbs. 99 A 02589 $11.95

**Craftsman "100" Drills . . . ¼-in. heavy-duty type**

More for your Money with a Craftsman "100" Drill! Laboratory comparison with two famous heavy duty drills shows the Craftsman "100" similar in performance . . . at a huge saving! Actually it sells for even less than standard duty drills by the same makers!

<table>
<thead>
<tr>
<th>Sears</th>
<th>Drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Drill</td>
</tr>
<tr>
<td>12</td>
<td>Drill</td>
</tr>
</tbody>
</table>

**Complete Drilling, Sanding and Polishing outfit at lowest cost for the home workshop. Good quality Dunlap utility drill is for intermittent use; compact; strong; will drive ¼-in. bits in steel. Has bronze bearings; triple-reduction gears; ¼-in. capacity 3-jaw chuck (1500 R.P.M. no-load speed). Die-cast aluminum frame; sawgrip handle; trigger switch. Underwriters' Labs. approved, 110-120 volt 25-60 cycle A.C.-D.C. universal motor; 6-ft. cord; plug. Length 12 in. over-all.

- Also includes 10 high speed drills (¼ to ½-in.) in stand; 6-in. sanding disc; 7-in. lamb's wool polishing bonnet; chuck adapter (¼-in.-20 thread; ¼-in. shank). Note the low price.
- 9 A 2576—Complete Outfit, as above. Shipping weight 5 lbs. $18.50
- 9 A 2576—Dunlap ¼-inch Electric Drill only. Shpg. wt. 3 lbs. 12 oz. $13.50

**Use these quality Accessories to get the most from your Electric Drill**

- Grinding Wheel Arbor (See page 35)
- Templetto Floor Brush (See page 40)
- Wire Brush Cup (See page 40)
- Wire Scratch Wheel (See page 40)
- Sanding Drum (See page 40)
- Rubber Polishing Wheel (See page 41)
- Sanding Flats (See page 41)
**Electric Drills . . . ½-in. capacity or larger**

**DUNLAP ½-inch Electric Drill**

- Economy-priced . . yet has that extra power necessary for those tough jobs.
- Ideal utility drill for farmers, garage mechanics and maintenance men. It's well balanced and easy to handle. Runs smoothly and quietly without chatter.
- Streamlined, lightweight but sturdy aluminum alloy frame. Gears, pinions, motor shaft and chuck spacers are of high quality, heat treated alloy steel. Double reduction gears of heat treated chrome-nickel steel . . . improve with use. Self-lubricating bronze bearings; ball thrust bearing on spindle to take up end thrust. Top handle and rear grip are removable for close-quarter work.
- Equipped with ½-inch capacity, No. 338 Jacobs geared key chuck . . . finest chuck available. Underwriters' Laboratories approved, fully enclosed, double-pole automatic releasing switch; locks for continuous running. Powerful universal motor operates on 110-120-volt, 25 to 60-cycle A.C. or D.C. No-load spindle speed 400 R.P.M.; most practical speed for general drilling, hole saws, wood augers, twist drills, cylinder grinders, etc. Comes complete with 10-foot, 3-wire rubber-covered cord and unbreakable plug. Overall length 16 inches. 99 A 02584 - Shipping weight 15 pounds.

**CRAFTSMAN production-type Drills**

- Built for heaviest production work in shop, factory or mill. Has plenty of surplus power . . won't stall on any job when used with the drills largest size specified. Ball bearing construction, lightweight aluminum frame, and modern design give these rugged drills maximum operating ease and efficiency.
- Special triple reduction gears are heat treated chrome-nickel steel . . . supply extremely high torque. Armature shaft runs smoothly on New Departure ball bearings, sealed in oil. Equipped with genuine Jacobs keyed key chuck. Underwriters' Laboratories, Inc. approved double-pole switch locks for continuous running. Top and rear handles removable for close-quarter work. Heavy duty, universal ball bearing motor for use on 110-120 volt, 25 to 60-cycle A.C. or D.C. Comes with 10-foot, 3-wire, rubber-covered cord and unbreakable plug. Over-all length, 18 ½ inches. Available in three sizes (see table below).

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>R.P.M.</th>
<th>Shipping Weight</th>
<th>Price</th>
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<td>99 A 02585</td>
<td>¼-inch</td>
<td>250</td>
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**Use these Accessories in your Electric Drill**

- **10-p. Drill Set** (See page 30).
- **Carbon Removing Brush** (page 40).
- **Mounted grinding tools** (page 32).

**Accessories for ¼-in. Electric Drills**

- Solid brass cases; gray wrinkled finish. Only two moving parts in each tool: no gears or springs. For general use with spindle speeds 1600 to 2500 R.P.M. Instructions included.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Accessory</th>
<th>Size</th>
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<td>9 A 2596</td>
<td>Chord Drill</td>
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<td>9 A 2597</td>
<td>Wood Chisel</td>
<td>½-in.</td>
<td>$0.35</td>
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<tr>
<td>9 A 2598</td>
<td>Center Punch</td>
<td>3/4-in.</td>
<td>$0.45</td>
</tr>
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</table>

**Attachments for Roto-Pein**

- 9 A 2392 - Roto-Pein only. Shpg. wt. 2 lbs. 3 oz. $6.25

**Attachments to give your electric drill new uses**

- **Spin-A-Brush Attachment.** Makes cleaning brushes much faster and easier! Fits ¼-in. electric drills or larger of 1600 R.P.M. or less. Salves paint-cloged brushes in just 90 seconds!
- **Easy to use.** Just fasten Spin-A-Brush in drill chuck, center brush and soak in turpentine or thinner about 30 seconds. Centrifugal force cleans brush quickly. Enables quick change of colors, using same brush.
- **Durable clamp, die-cast cup and plug, spring steel arms, Nickel plated.**
- **¾-in. diameter steel Shank.** Shpg. wt. 1 lb.

**CRAFTSMAN Sonder-Polisher.** Fits ¼-in. drills like 9A2577, 9A2578, 9A2570 and 9A2571 (on opposite page). For sanding or polishing furniture, woodwork, walls or other flat surfaces. Cast aluminum housing and base plate. Sealed ball bearing on eccentric drive. 3½ x 7 in. oscillating pad. 6½ in. high. With wrench and instructions.

- **Arbor for Electric Drill.** For holding grinding, wire or buffing wheels, etc. Carbon steel. ¼-in. Shank; ½-in. x 10 thread. Arbor. 1½-in. flanges with nuts. 3½ in. long. 9 A 2394 - Shpg. wt. 6 oz.


**Saw Blades for circular hole saw**

- Size: ¼-in. 1 1/8-in. 1 1/4-in. 1 1/2-in. 2 1/4-in. 2 1/2-in. 3 1/4-in. 3 1/2-in. 4-in. 5-in. 6-in. 7-in.

- 9 A 2396 - Set 49c.

- 9 A 2397 - Set 1 1/2 lb.

**ROSE TOOLS, INC.**
ROSE TOOLS, INC.

Sears high quality Electric Motors

**CRAFTSMAN** Capacitor Motors...powerful!

- Efficient motors for shops, factories, etc., for driving tools or equipment. Note A.LL features at left, included!
- Built-in condenser reduces starting current; motor starts loads about 50% heavier than split phase motors of same rating.
- New Departure grease-sealed precision ball bearings. Operates in any position; easily reversed. Specially designed fan and baffles keep all parts of motor cool.
- All are 10-120 volt, 60-cycle A.C., with 5/8-in. shafts. Except 99A01981 has 5/8-in. keyway shaft. Mounting dimensions 5/8 x 5 in.

**CRAFTSMAN** Mill Type Motors


---

**DUNLAP** Split Phase Motors

Super values! Not lightweight, but full size, full power. Rugged, well-made motors, designed for general use on easy-starting loads such as washing machines, light power tools, etc. Excellent performance and trouble-free operation. All parts guaranteed against defects in material or workmanship. Exceed N.E.M.A. breakdown torques. Husky, diamond-bonded precision bronze bearings for smooth operation and long life. Sealed oil chamber; don't need lubrication for at least 1000 hours operation. Motor should be used in horizontal position only. Easily reversed. Cast iron base gives motor solid mounting. 5/8-in. shaft extends 1 1/8-in. on one end. 1750 R.P.M. For 110-120-volt, 60-cycle A.C. With 8-ft. cord; unbreakable plug. Mounting dimensions 5/8 x 5 in.

- **99 A01974** - 1/4 H.P. $10.50
- **99 A01976** - 1/2 H.P. $11.95

---

**DUNLAP** Deluxe. Our finest split phase motor! Heavy-duty! Super powered! Ideal for operating light-power tools and compressors, ventilating fans, washing machines, etc. Note all these great features: double shaft, ball bearings, on-off switch, cord, and unbreakable plug. Exceeds N.E.M.A. specifications. Handles more than double 200% rated H.P. before stalling! Efficient, modern design. Deep end bells; large fan and baffled openings ventilate motor; assure cool operation. Massive cast iron base for solid mounting; handy on-off switch. Easily reversed. Extremely quiet running. All parts guaranteed against defects in materials or workmanship for one year. New Departure grease-sealed precision ball bearings; motor operates in any position. 5/8-in. shaft extends 1 1/8-in. on both ends. Provides operation of two tools. 1750 R.P.M. For 110-120-volt, 60-cycle A.C. Heavy 8-ft. cord; unbreakable plug. Mounting dimensions 3 1/8 x 5 in.

- **99 A01990** - 1/4 H.P. $15.95
- **99 A01991** - 1/2 H.P. $16.95

---

**"On-off" motor Switches**

- **"On-off" Motor Switch.** Same as used on our CRAFTSMAN Capacitor Motors 99A01977, 99A01978, 99A01980 and 99A01981, at top of page, and our 99A02664 and 99A02618 Grinders (see page 88). For motors 1/4-H.P., 3450 R.P.M. or smaller.

- **9A 1921** - Shipping weight 3 ounces. $0.49

- **"On-off" Motor Switch.** (Not shown.) Same as used on our 99A01975 motor shown at left. Can be used for motors up to and including 1/4-H.P.

- **9A 1970** - Shipping weight 3 ounces. $0.49
**3-Phase, and R-I Type Motors**

*3-Phase Ball Bearing Motors for 220-440-volt, 60-cycle A.C.*

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<th>Shop, wt. Lbs.</th>
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Super-powered for tough jobs!

ROSE TOOLS, INC.

CRAFTSMAN 60-cycle 110-220-volt Single Phase Repulsion-Induction

**Get more use from your motor!**

**Craftsman Motor Rails . . . Convenient . . . Speedy**

**Extension Cord**

**Craftsman Motor Rails**

- Adjustable Motor Rails: For jobs where motor is not moved from tool to tool. Easy to adjust belts; simply loosen bolts holding motor to rail, slide motor for belt tension wanted, then tighten bolts. Do not run V-belts too tightly. Shipping weight 3 lbs.

- Floating Motor Rails: Permits using one motor for several tools. Fastens clips near each tool, and shift motor with rail attached, from tool to tool. Keep bolts at proper tension. 9 A2275—Floating motor rail and one pair clips. Shop. wt. 1 lb. 13 oz., 85c 9 A2277—Rail clips only. Shipping weight 7 oz. Per pair 32c

You can buy any equipment in this book on Sears Easy Terms. See inside front cover for details.
Precision-built Grinders for your shop

**CRAFTSMAN 1/2-H.P. Grinder**

- Incorporates the latest and best in grinder design! Excellent for heavy-duty grinding and sharpening in any type of shop.
- Strength, beauty, utility. Heavy, rigid cast-iron frame... rubber mounted to absorb vibration. Finished in attractive CRAFTSMAN gray with contrasting chromium trim. Convenient removable built-in water pan of bright red plastic. Two 10-watt work lamps... one built into each wheel guard... rubber mounted... easily replaced.
- Ample overload capacity to meet unusual power demands without burning out motor. CRAFTSMAN 1/2-H.P. capacitor motor is condenser-start induction-run type with new nylon-insulated windings. Balanced for vibration-free operation at 3450 R.P.M. Operates on 110-120 volt, 60-cycle A.C. power. Toggle switch located at front of grinder. 8-foot rubber-covered cord, and unbreakable plug.

New Departure precision ball bearings assure minimum friction and wear... sealed against dirt, dust and grit. Strong steel shaft is 3/8-inch diameter, turned down to 3/8 inch at each end. For safety each grinding wheel is enclosed by a cast-iron wheel guard; rear dust chute. Shatterproof glass eye shields mounted in chromium-plated frame. Ground cast-iron tool rests are adjustable.


**DUNLAP 1/4-H.P. Grinder**


New Departure ball bearings are protected against dirt, dust, grinding and abrasive particles. You get dependable operation with a minimum of power loss due to friction. 3/8-inch steel shaft; turned down to 3/8 inch at wheel ends.

Two 6x7/8-inch fully vitrified CRAFTSMAN grinding wheels... one 3/8 grit wheel for coarse grinding and one 70 grit wheel for finer grinding and finishing. Operate safely at rated speed of 3450 R.P.M. Clearance between wheels is eleven inches.

Cost-iron wheel guards. Shatterproof glass eye shields in adjustable steel frame; protection from flying particles and sparks from grinding wheels. Removable, adjustable tool rests steady your work... assure greater accuracy.

Durable cast-iron frame for strength and rigidity. Finished in gray enamel. Rubber mounted for quiet operation.

Over-all dimensions (without eye shields and tool rests): height 8 3/4 inches; width 12 1/4 inches; depth 8 inches.

99 A2616 — Shipping weight 43 pounds. $25.95

**Grinding Wheels**

Select the correct grit for your job:

FINE... for knives, keen edged tools, finish grinding and polishing.

MEDIUM FINE... for chisels, axes, woodcutting tools, or preparing surfaces for finishing.

MEDIUM COARSE... for machine shop use, or fast removal of stock.

<table>
<thead>
<tr>
<th>Diameter and thickness</th>
<th>Bore* inches</th>
<th>Shop. lbs.</th>
<th>9 A 6412 Medium</th>
<th>9 A 6412 Medium fine</th>
<th>9 A 6415 Medium</th>
<th>9 A 6415 Medium fine</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 in.</td>
<td>1</td>
<td>45c</td>
<td>45c</td>
<td>45c</td>
<td>45c</td>
<td>45c</td>
</tr>
<tr>
<td>5/16 in.</td>
<td>2</td>
<td>75c</td>
<td>75c</td>
<td>75c</td>
<td>75c</td>
<td>75c</td>
</tr>
<tr>
<td>7/32 in.</td>
<td>4</td>
<td>89c</td>
<td>89c</td>
<td>89c</td>
<td>89c</td>
<td>89c</td>
</tr>
<tr>
<td>3/16 in.</td>
<td>5</td>
<td>110c</td>
<td>110c</td>
<td>110c</td>
<td>110c</td>
<td>110c</td>
</tr>
<tr>
<td>1/4 in.</td>
<td>6</td>
<td>125c</td>
<td>125c</td>
<td>125c</td>
<td>125c</td>
<td>125c</td>
</tr>
<tr>
<td>5/32 in.</td>
<td>7</td>
<td>155c</td>
<td>155c</td>
<td>155c</td>
<td>155c</td>
<td>155c</td>
</tr>
<tr>
<td>3/32 in.</td>
<td>8</td>
<td>185c</td>
<td>185c</td>
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<td>185c</td>
<td>185c</td>
</tr>
<tr>
<td>1/8 in.</td>
<td>9</td>
<td>215c</td>
<td>215c</td>
<td>215c</td>
<td>215c</td>
<td>215c</td>
</tr>
<tr>
<td>3/64 in.</td>
<td>10</td>
<td>235c</td>
<td>235c</td>
<td>235c</td>
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<td>235c</td>
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<tr>
<td>1/16 in.</td>
<td>11</td>
<td>255c</td>
<td>255c</td>
<td>255c</td>
<td>255c</td>
<td>255c</td>
</tr>
<tr>
<td>1/32 in.</td>
<td>12</td>
<td>285c</td>
<td>285c</td>
<td>285c</td>
<td>285c</td>
<td>285c</td>
</tr>
<tr>
<td>1/64 in.</td>
<td>13</td>
<td>315c</td>
<td>315c</td>
<td>315c</td>
<td>315c</td>
<td>315c</td>
</tr>
</tbody>
</table>

**SAFETY INFORMATION—**

(1) Use concave flanges as large or larger than recommended in table below. (2) Use guard and shatter-proof glass shield. (3) Don't exceed R.P.M. shown. (4) Wear safety goggles (see page 45).

**Diameter and flange, inches.**

<table>
<thead>
<tr>
<th>Diameter and flange, inches.</th>
<th>1/64</th>
<th>1/32</th>
<th>1/16</th>
<th>1/32</th>
<th>1/8</th>
<th>5/32</th>
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<tr>
<td>R.P.M.</td>
<td>1/64</td>
<td>1/32</td>
<td>1/16</td>
<td>1/32</td>
<td>1/8</td>
<td>5/32</td>
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<tr>
<td>3775</td>
<td>.850</td>
<td>.925</td>
<td>.980</td>
<td>1.05</td>
<td>1.20</td>
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<td>3975</td>
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<td>.950</td>
<td>1.00</td>
<td>1.07</td>
<td>1.22</td>
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<tr>
<td>4175</td>
<td>.900</td>
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<td>1.05</td>
<td>1.13</td>
<td>1.28</td>
<td>1.43</td>
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<tr>
<td>4375</td>
<td>.925</td>
<td>1.03</td>
<td>1.09</td>
<td>1.17</td>
<td>1.32</td>
<td>1.48</td>
</tr>
<tr>
<td>4575</td>
<td>1.00</td>
<td>1.10</td>
<td>1.16</td>
<td>1.25</td>
<td>1.40</td>
<td>1.55</td>
</tr>
<tr>
<td>4775</td>
<td>1.05</td>
<td>1.16</td>
<td>1.23</td>
<td>1.33</td>
<td>1.49</td>
<td>1.65</td>
</tr>
</tbody>
</table>

38... SEARS, ROEBUCK AND CO. Zone 1
Specially designed for industrial use

Extra heavy duty. Revolves in a bath of water... won't draw temper from tools.


99 A 06620 — CRAFTSMAN Wet Grindstone only. Shipping weight 32 pounds. $10.50
9 A 6621 — Replacement Stone only for above. Shipping weight 13 pounds. 3.75

Make tough grinding jobs easy

4-inch Grinder. Cast-iron frame. Gray enameled. 81/2-inch steel spindle, turned down to 3/4-inch x 20-thread at ends. Spring cap oil cups. Tool rests. Two 4 x 3/4-inch grinding wheels; one fine, one medium grit. 2-inch pulley for V-belt drive.

9 A 6628 — Shipping weight 8 lbs $5.25

CRAFTSMAN 6-inch heavy-duty Grinder. 91/2-inch spindle, 24-inch diam.-When lowered, turned down to 35/2-inch x 20-thread at ends. Long porous bronze bearings. Oil well around each. Adjustable guards and tool rests. Spring cap oil cups. Gray enameled. Two 6 x 3/4-inch vitrified grinding wheels; one fine, one medium grit. 13/2-inch and 25/2-inch pulleys for V-belt drive.

99 AT 6654 — Shipping weight 19 pounds $10.50

All-purpose Grinder

Grinder Head. $4.00
1/2-inch spindle; 31/4-inch arbor. Two combination pulleys for flat or V-belts. Porous bronze bearings with oil well around each. Idling pulley locks for double V-drive.

99 A 6616 — Shipment wt. 9 lbs. $4.00
99 A 06619 — Same as 99 A 6616, but with two vitrified 6 x 1/2-inch grinding wheels. Shipping weight 16 pounds. $7.25
99 AT 6724 — Same as 99 A 6616, but with 3/4-H.P. 1750 R.P.M. split-phase 110-120-volt, A.C. motor, 4-inch motor pulley and 5/8-inch V-belt. Shipping weight 40 pounds. $9.00

CRAFTSMAN heavy-duty Grinder

15/8 x 3/4-inch spindle, turned down to 3/4-inch at ends; takes up to 8 x 1/2-inch wheels with 3/4-inch arbor holes. Two combination pulleys for flat or V-belts. Porous bronze bearings with oil well around each. Idling pulley locks for double V-drive.

99 A 06629 — Grinder Head only. Shipping weight 21 pounds. $7.50
99 A 06631 — Grinder Head with 2 CRAFTSMAN vitrified grinding wheels, 9 x 3/4-inch, and 15/8 x 3/4-inch vitrified grinding wheel. Shipping wt. 40 lbs. $14.75
99 AM 6726 — Same as 99 A 06631 but with 3/4-H.P. 1750 R.P.M. split-phase 110-120-volt, A.C. motor, motor pulley and V-belt. Shipping wt. 64 lbs. $26.25
99 A 6420 — Sickle Holder. For 99 A 06629. Shipping wt. 4 lbs. $2.25
99 A 6421 — Guards. For 99 A 06629. Shipping wt. 4 lbs. $2.50

Polishing Heads...sharpen, grind, polish, drill

Low-priced Polishing Heads. Well balanced. Sharpens tools, grinds, polishes, drills, etc. and when used with proper accessories. Head is 7 1/2 inches high; spindle is 7 1/2 inches, 20-thread. Stamped steel collars. Oil plugs. Can be driven from rear, above or below. Two-inch V-pulley included. Shipping wt. 3 lbs. 7 oz.

99 A 6613 — $1.95

EASY TERMS

Why not try Sears Easy Payment Plan Details on inside front cover.

Heavy cast iron frames, enameled gray. Spindles are threaded 3/4-inch, 20-thread. Porous bronze bearings; oil well around each. Spring cap oil cups. Drive from below or behind. 2-inch pulley for V-belt.

CRAFTSMAN Polishing Head. Height 7 1/4 inches. Machined steel flanges.
99 A 6627 — Polishing Head only. Shipping weight 6 pounds. $2.95

CRAFTSMAN heavy-duty Polishing Head. Height 9 1/4 inches. 3-jaw screw-on type chuck; 3/4-inch capacity. Machined steel collars.
99 A 6667 — Polishing Head only. Shipping weight 9 pounds. $5.65
Flexible Shafts, Grinders, etc.

Aluminum oxide abrasive rubber-bonded Cut-off Wheels. 8-in. diam. by 5/8-in. thick. For 1/4, 3/4 or 7/8-in. shaft.

9 A 4449—For 1/4-in. shaft. Shpg. wt. 1 lb. 98c


9 A 4448—For sheetsteel of tubing, etc. (aluminum oxide). Shpg. wt. 1 lb. Each. $1.19


9 A 4279—State diameter and hole size. Each

Disc Cement. Holds sanding discs firmly to wood or wood sanding plates. Non-drying type. Choice of 4 oz. or 16 oz. sticks.

9 A 4229—4 oz. Shpg. wt. 6 c. 29c

9 A 4229—16 oz. Shpg. wt. 6 c. 32c

Cement. Fastens abrasive discs to metal plates. Sets quickly and holds very firmly. Shipping weight 9 oz. 62c

9 A 4227—6-inch diameter. Shpg. wt. 6 c. 1 lb. 6 oz. 45c


9 A 2532—6-inch diameter. Shpg. wt. 6 c. 1 lb. 3 oz. 25c

Package of 6 fine grit for 6 c. 20c

Package of 6 medium grit for 6 c. 20c

Package of 6 coarse grit for 6 c. 20c

9 A 2532—8-in. diameter. Fits Sears former sanders 2231 and 9A2231 and 9A2419 sanding plates at right. Shpg. wt. per pkg. 8 oz. 63c

Package of 6 fine grit for 8 oz. 35c

Package of 6 medium grit for 8 oz. 35c

Package of 6 coarse grit for 8 oz. 35c

9 A 2526—9-inch. Fits Sears 9A2230 sanding plate (see page 9). Shpg. wt. per pkg. 8 oz. 66c

Package of 6 fine grit for 8 oz. 36c

Package of 6 medium grit for 8 oz. 36c

Package of 6 coarse grit for 8 oz. 36c

9 A 2534—10-inch diameter. Fits Sears former sanders 2220 and 2210. Shpg. wt. per pkg. 8 oz. 68c

Package of 6 fine grit for 8 oz. 36c

Package of 6 medium grit for 8 oz. 36c

Package of 6 coarse grit for 8 oz. 36c

Sanding Plates. Cast iron construction. Set screw provided to lock plate securely on spindle. Plate has one abrasive disc for sanding wood, attached. Extra abrasive discs at left. Be sure to check spindle size.

9 A 4341—Shpg. wt. 2 lbs. 53c 10-inch diameter. Fits the 99 A 2307 (see page 16) or any 3/4 in. x 1 in. right hand thread spindle.

9 A 4293—Shpg. wt. 2 lbs. 8 oz. $1.50

Sanding Wheel, 8-inch, 5/8 in. or 3/4 in. bore. Steel. Fits any 8-in. or larger bench saw, having 5/8 in. or 3/4 in. arbor. Has one medium and one coarse abrasive disc for wood, attached. State bore size.

9 A 4277—Shpg. wt. 4 lbs. 52c

Replacement Sanding Discs, for either plate described above. Medium grit abrasive. Use on wood or metal. Number 9 A 2612 replaces Sears old No. 2541. Number 9 A 2613 replaces Sears old No. 2545.

9 A 2612—5/16-inch diameter. Shpg. wt. 3 oz. 25c

9 A 2613—7-inch diameter. Shpg. wt. 3 oz. Pair 40c

Quick-change Sanding Plate

Read the features below and you'll understand why these amazing NEW CRAFTSMAN Quick-change Sanding Plates have become so popular...how easy they are to use...how much time you'll save. Just replace the old disc and replace with new one. The old disc can be replaced later without warping.

Rubber cushion backing with resilient cutting action reduces "loading" of abrasive. . .gives cleaner, more accurate cutting...increases length of abrasive life...cuts faster and cooler with minimum possibilities of burning.

Built-in collet chuck mounting grips shaft all the way around...fits any 3/4-inch shaft or spindle, either plain or threaded without spoilng or marring threads. Quick, simple, secure...no fussing to get abrasive in place.

All steel 7-inch diameter plate will not fracture. Non-setting adhesive holds self-centering abrasive firmly and positively.

Perfect for sanding, grinding or polishing wood, metal or plastic. Comes complete with one medium grit disc.

9 A 2549—Shipping weight 2 pounds $1.98

9 A 2556—Replacement Abrasive Discs for above. Choice of fine, medium or coarse grit. State grit wanted when ordering. Shpg. wt. 5 oz. $1.50

Flexible Sanding Plates. Fits flexible shafts, polishing heads, lathes, electric hand drills, etc., or any other 3/4-inch 20-thread spindle. One medium grit abrasive attached. For wood or metal.

5/8-inch diameter. Thick, molded flexible rubber pad, with 35/64-inch diameter steel insert. Center-screw in hub keeps sanding disc from shifting.

9 A 2610—Shpg. wt. 13 oz. $1.25

7-inch diameter. Thick, molded flexible rubber pad, with 5/8-inch diameter steel insert. Hub center-screw keeps sanding disc from shifting. Takes regular or resin-bonded discs at left.

9 A 2611—Shpg. wt. 1 lb. 5 oz. $1.75

Replacement Sanding Discs. For either plate described above. Medium grit abrasive. Use on wood or metal. Number 9 A 2612 replaces Sears old No. 2541. Number 9 A 2613 replaces Sears old No. 2545.

9 A 2612—516-inch diameter. Shipping weight 2 oz. 25c

9 A 2613—7-inch diameter. Shipping weight 3 oz. Pair 40c
CRAFTSMAN V-Pulleys are available for most power tools

Craftsman pulleys are scientifically designed for greatest working efficiency and are carefully and accurately made to give you top working performance from your machinery or power tools. All the belt grooves are painstakingly machined to run true. All holes are reamed to exact size. Diameters given in the table listings below refer to outside edge of pulleys, not to bottom of the groove. Before ordering, carefully check diameter and bore size wanted.

Craftsman single-groove V-Pulleys
Made of heavy cast iron. Balanced and true running, strong enough for heavy production work. Use on electric motors or gas engines on industrial, farm, workshop or household machines. Standard keyways provided in all hole sizes listed below. Two hardened, hollow head set-screws. With wrench. For V-belts 1 4/8 (A section) or 5/4 (B section) inch wide. State bore size wanted.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Diameter</th>
<th>Bore, inch</th>
<th>Shpg. wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 A 2940</td>
<td>4 in.</td>
<td>3/8</td>
<td>3 lbs.</td>
<td>1.75</td>
</tr>
<tr>
<td>9 A 2941</td>
<td>5 in.</td>
<td>1 1/8</td>
<td>4 lbs.</td>
<td>3.50</td>
</tr>
<tr>
<td>9 A 2942</td>
<td>6 in.</td>
<td>2 1/4</td>
<td>6 lbs.</td>
<td>5.00</td>
</tr>
<tr>
<td>9 A 2943</td>
<td>8 in.</td>
<td>3 1/4</td>
<td>8 lbs.</td>
<td>6.50</td>
</tr>
<tr>
<td>9 A 2944</td>
<td>10 in.</td>
<td>4 1/2</td>
<td>11 lbs.</td>
<td>8.00</td>
</tr>
<tr>
<td>9 A 2945</td>
<td>11 in.</td>
<td>5 1/2</td>
<td>13 lbs.</td>
<td>9.50</td>
</tr>
</tbody>
</table>

Craftsman two-groove V-Pulleys
Made of heavy cast iron. Balanced and true running, strong enough for heavy production work. Use on electric motors or gas engines on industrial, farm, workshop or household machines. Standard keyways provided in all hole sizes listed below. Two hardened, hollow head set-screws. With wrench. For V-belts 1 1/4 (A section) or 5/4 (B section) inch wide. State bore size wanted.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Diameter</th>
<th>Bore, inch</th>
<th>Shpg. wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 A 2946</td>
<td>3 in.</td>
<td>3/8</td>
<td>2 lbs.</td>
<td>1.10</td>
</tr>
<tr>
<td>9 A 2947</td>
<td>4 in.</td>
<td>3/8</td>
<td>3 lbs.</td>
<td>1.75</td>
</tr>
<tr>
<td>9 A 2948</td>
<td>5 in.</td>
<td>3/8</td>
<td>4 lbs.</td>
<td>3.50</td>
</tr>
<tr>
<td>9 A 2949</td>
<td>6 in.</td>
<td>3/8</td>
<td>5 lbs.</td>
<td>5.00</td>
</tr>
<tr>
<td>9 A 2950</td>
<td>8 in.</td>
<td>3/8</td>
<td>7 lbs.</td>
<td>6.50</td>
</tr>
<tr>
<td>9 A 2951</td>
<td>10 in.</td>
<td>3/8</td>
<td>11 lbs.</td>
<td>8.00</td>
</tr>
<tr>
<td>9 A 2952</td>
<td>11 in.</td>
<td>3/8</td>
<td>13 lbs.</td>
<td>9.50</td>
</tr>
</tbody>
</table>

Craftsman hubless V-Pulleys
Permit use of pulleys side by side for multiple drives. Sturdily built of heavy die-cast metal. Machined grooves and reamed bores. Two slotted head, hardened set-screws lock pulley on shaft. For 1 1/4 (O section) or 5/4 (A section) inch wide V-belts. Please state bore size wanted.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Diameter</th>
<th>Bore, inch</th>
<th>Shpg. wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 A 2901</td>
<td>2 inches</td>
<td>3/4</td>
<td>6 oz.</td>
<td>44</td>
</tr>
<tr>
<td>9 A 2902</td>
<td>2 1/4</td>
<td>3/4</td>
<td>9 oz.</td>
<td>53</td>
</tr>
<tr>
<td>9 A 2903</td>
<td>3 inches</td>
<td>3/4</td>
<td>11 oz.</td>
<td>62</td>
</tr>
</tbody>
</table>

Craftsman cone-type V-Pulleys
Use in pairs for variable speed applications. Made of tough alloy die cast metal. Three and four step. Two slotted head, hardened set-screws lock pulley on shaft. For 1 1/4 (O section) or 5/4 (A section) inch wide V-belts. Have 1 1/4 or 5/4 inch bore. State bore size wanted.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Size</th>
<th>Diam., step, in.</th>
<th>Shpg. wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 A 2748</td>
<td>3/4 in.</td>
<td>3/4, 3/4, 2 in.</td>
<td>1 lb.</td>
<td>.05</td>
</tr>
<tr>
<td>9 A 2747</td>
<td>1 in.</td>
<td>1 1/4, 1 1/4, 1 in.</td>
<td>1 lb. 10 oz.</td>
<td>1.30</td>
</tr>
<tr>
<td>9 A 2749</td>
<td>1 1/2 in.</td>
<td>1 3/4, 1 3/4, 1 1/2 in.</td>
<td>1 lb. 14 oz.</td>
<td>1.50</td>
</tr>
</tbody>
</table>

CRAFTSMAN Pulley Remover

285 Professional quality. An excellent above and pull- remover for removing small V-drive pulleys when frozen fast on electric motors or other power tool shafts and for removing single or multiple drive sheaves.

Fits single or multiple pulleys, gears, bearings, etc. Eliminates the need for pulleys or other power tool sheaves and for removing single or multiple drive sheaves.

A very handy tool for the home workshop or for the man who does set-up and mechanical repair work; perfect for solving many maintenance and service problems.

420-SEARS...ROCKED AND CO, Zone 1

Hollow-head Setscrews, Wrenches

Hollow-head Setscrews. Take the place of ordinary setscrews. Can be screwed down flush with the surface. Made of tough alloy steel. Shipping weight each 2 ounces.


9 A 2907

9 A 2813—Individual sizes. Please be sure to state size wanted. Shpg. wt. each 1 oz.

For 1/16-inch screw...9c
For 3/32-inch screw...9c
For 1/8-inch screw...9c
For 5/32-inch screw...9c
For 3/16-inch screw...9c
For 1/4-inch screw...9c

Buy NOW! Buy the BEST! See inside front cover for Easy Turns

ROSE TOOLS, INC.
More pulling power, less frictional loss with Craftsman V-Belts

Craftsman V-belts are highest quality ... exactly from the finest materials available in order to give you the utmost in satisfaction. Each belt has an extra heavy, closely woven cotton jacket wrapped around pliable, heat-resistant rubber. Reinforcing cords are pre-treated in liquid rubber.

1/2-inch V-Belts ... for most applications with V-pulleys

Genuine Craftsman quality. The correct size for most applications with V-pulleys. 2 inches in diameter or larger. Gives positive non-slip grip along sides of V-pulley grooves. Be sure to order correct size V-belt. See "How to Measure" above.

Why not replace your worn-out V-belt with a long-wearing, true-running Craftsman V-belt today ... you'll speed up production and cut costs immediately.

Leather V-Beltting ... Wire Hooks ... Couplers

Leather V-Beltting. Use this fractional horsepower plain leather V-beltting for rapid replacement on your power tools and other machines. No need to remove machinery to replace belt. Made of two plies of tough oak-tanned leather cemented together and then oiled down the center. Steel wire hook is included with every length.

9 A 2777 - Be sure to state width and length wanted. 1/2-inch width. Shipping weight per foot 3 ozs. Per inch 2c. 1/4-inch width. Shipping weight per foot 3 ozs. Per inch 2c. 1/4-inch width. Shipping weight per foot 5 ozs. Per inch 3c.

Wire V-Belt Hooks. (Not shown.) Simple to use. Contains both V-belt, insert, or hook type. Hook or section by punching holes into belt, inserting loop, and hooking to V-pulley. All there's all to it when you use these convenient wire V-belt hooks. Made of tough steel music wire. Makes a safe, dependable connection. Shipping weight of 6 ozs.

9 A 2847 - State size wanted. Small size. For 1/2 or 3/4-inch belt. Each 1c. Large size. For 1 1/4 or 1 1/2-inch belt. Each 1c.

Line Shaft and Line Shaft Accessories

Use 1/4-inch line shaft for light tools. 1/8 and 3/16-inch line shaft for heavier machines and larger motors. Oil cups easily installed in place of plugs. Rigged couplings often used to connect sections of line shafting. Line shaft collars prevent end-wise "drift" of shaft. Flexible couplings used to connect motor shaft to line shaft. Self-adjusting for slight misalignment. Bronze bearing hangers adjustable for perfect shaft alignment. 1/4-inch hangers should be spaced every 18 in; 1/8-inch hangers every 24 in. Pillow blocks are used as end supports for shafts.

We recommend a 3/4-H.P. motor or larger to drive tools from a line shaft.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Length</th>
<th>Weight</th>
<th>Each</th>
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<tbody>
<tr>
<td>9 A 2833</td>
<td>1/4-inch x 24-inch Steel Shaft</td>
<td>1 lb 15 oz</td>
<td>$2.48</td>
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<tr>
<td>99 A 2834</td>
<td>1/8-inch x 6-inch Steel Shaft</td>
<td>3 lbs</td>
<td>74c</td>
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<tr>
<td>99 A 2835</td>
<td>1/8-inch x 12-inch Steel Shaft</td>
<td>5 lbs</td>
<td>95c</td>
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<tr>
<td>99 A 2836</td>
<td>1/16-inch x 12-inch Steel Shaft</td>
<td>7 lbs</td>
<td>12c</td>
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<tr>
<td>79 A 2837</td>
<td>Oil Cup</td>
<td>1 oz</td>
<td>6c</td>
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<tr>
<td>79 A 2838</td>
<td>1/8-inch Rigid Coupling</td>
<td>2 oz</td>
<td>50c</td>
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<tr>
<td>9 A 2842</td>
<td>1/8-inch Line Shaft Collar</td>
<td>1 oz</td>
<td>12c</td>
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<tr>
<td>9 A 2843</td>
<td>1/16-inch Line Shaft Collar</td>
<td>1 oz</td>
<td>18c</td>
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<tr>
<td>9 A 2844</td>
<td>Flexible Coupling (Specify 1/2, 1/4 or 3/8-inch)</td>
<td>12 oz</td>
<td>53c</td>
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<tr>
<td>9 A 2845</td>
<td>1/4-inch Bronze bearing Shaft Hanger</td>
<td>1 lb 8 oz</td>
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<tr>
<td>9 A 2846</td>
<td>1/8-inch Bronze bearing Shaft Hanger</td>
<td>1 lb 8 oz</td>
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<tr>
<td>9 A 2847</td>
<td>1/4-inch Pillow Block</td>
<td>1 lb 8 oz</td>
<td>1.20</td>
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<tr>
<td>9 A 2848</td>
<td>1/8-inch Pillow Block</td>
<td>1 lb 8 oz</td>
<td>1.20</td>
</tr>
</tbody>
</table>
Dear Sirs:

I estimate I've already saved myself $800 in repair bills, in the 4 years I have used my CRAFTSMAN Arc Welder, and averaged over $150 a year doing work for my neighbors. I had no previous experience in welding and yet by the end of the first month I had made a full-sized drawing for my tractor, a rear end assembly, and changed my 4-wheel manure spreader into a 2-wheel spreader for tractor use. I use my welder for hard facing plow shares; preheating iron for bending; brazing; soldering; and cutting iron even as large as 4 inch bar stock. My welder paid for itself the first 4 months I had it. Two of my neighbors have bought welders from you after seeing how easy it was to weld a frame.

Sincerely yours,

IRVIN SUTTON

of Carlock, Ill.

CRAFTSMAN Industrial

A.C. Electric Arc Welders

- CRAFTSMAN Electric Arc Welders are tested and approved by Underwriters' Laboratories, Inc. for safety, freedom from fire hazard and temperature rise limits.
- Coils insulated with sensational spun glass insulation...dipped in varnish, then baked. Makes it practically impossible to burn out welder if used on correct current supply (220-230 volts).
- Fire-resistant all-metal cabinets with control panels fully protected against dust and dirt.
- Built-in recycle helps maintain steady arc; automatically increases voltage on low heats.
- Transformer has high power factor for greater efficiency and reduced current consumption.
- Complete range of current outlets allows wide variety of work. Cuts, braze, solders and welds metals of all thicknesses. Even more versatile if used with Twin Carbon Torch 9A2007.

Maximum heat at arc with minimum current consumption! Natural draft cooling...no fans. Approved code-type on-off switches. Sturdy steel feet in front; large wheels in rear. Stubs wire leads for A.C. connection. With 5 lb. assorted welding electrodes, wire brush, carbon electrode holder, two 15-ft. cables, welding helmet, and illustrated manual (9 A 1925 described on opposite page). For use on single phase, 220-230 volt, 60-cycles. Only be sure to check voltage, cycle, phase, and capacity of your power line with your local power company before ordering.

SPECS:

- Maximum amperes actual welding current delivered...
- Welding heats available...
- Maximum red size...
- Type of service...
- Current required...
- Maximum open circuit secondary volts...
- Maximum line draw...
- Maximum kilowatts...
- Maximum kilowatt-amperes...
- Cabinet dimensions, Height...

99 AM 2015 - Shipping weight 336 pounds...
99 AM 2012 - Shipping weight 336 pounds...

$199.00 CASH
$20.00 DOWN

CRAFTSMAN Welding Electrodes:

- Flux-coated for use on all A.C. or D.C. (D.C. reverse polarity) welders.
- Includes: Rods for mild steel welding: 2 lbs. 3-3/4 in. rods, 45 lbs. 3-3/4 in. rods and 45 lbs. 3-3/4 in. rods for car welding: 45 lbs. 3-3/4 in. rods, for hard surfacing: 45 lbs. 3-3/4 in. rods. Shipping weight 22 lbs.

CRAFTSMAN Welding Electrodes...$6.25

CRAFTSMAN Electrode Holders:

- Insulated. Light weight. For 300-ampere welders or smaller. 9 in. long. Shipping weight 1 lb.

CRAFTSMAN Electrode Holders...$3.19

Twin Carbon Torch Fuses:

One-piece seamless vulcanized fiber construction. Steel shell is shaped to fit head contour. Fiber head band adjustable over wide range of sizes. No metal touch head. Friction joint between headband and holder makes helmet readily adjustable and secure in both "off" and "on" positions. Clear cover glass and No. 10 shade filter lens provided. Both are 24 x 14 in. size. Note our low price! Shipping weight 2 pounds 8 ounces.

Industrial Welding Helmets...

Fabricated fiber construction. Adapts to head band of any style helms. Can be thrown back without removing from head. Friction joint between headband and helmet makes helmet readily adjustable and secure in both "off" and "on" positions. Clear cover glass and No. 10 shade filter lens provided. Both are 24 x 14 in. size. Note our low price! Shipping weight 2 pounds 8 ounces.

CRAFTSMAN Filter Lenses and Cover Glasses...

(Not illustrated.) For arc welding use. Size 2 x 3/4 x 1/16. Fit almost all style helmets. Weight, each, 5 ounces.

Welders' Supplies...

CRAFTSMAN Twin Carbon...$17.95

Cored Carbons:


9 A 2024 - Braze Rod Kh. 2 pounds 3/4 in. rods. Shwg. wt. 2 lbs. 4 oz. 9 A 2024 - Braze Rod Kh. 2 pounds 3/4 in. rods. Shwg. wt. 2 lbs. 4 oz.
Safety Goggles, Shields, Respirators

[A] Spectacle type with wire mesh side shields for clipping, grinding; minimizes fogging. Non-corroding frame, insulated temples; heat, perspiration resistant. Hardened, ground 50-mm. lenses. 28 A 6070—Shipping weight 8 oz. $1.98

[B] Lightweight Spectacle type, full angle vision, non-inflammable plastic frame. Crystal clear 44-mm. flat lenses. Wire cored paddle temples. 28 A 6067—Shipping weight 5 oz. $1.79

[C] Industrial Chipping, Grind Goggles. Eye protection from all directions, 50-mm. hardened ground lenses, composition frame, adjustable headband. 28 A 6060—Shipping weight 9 oz. $2.35

[D] 28 A 6061—Similar to above, but larger to fit over regular glasses. Shipping weight 12 oz. $2.49

Extra 50-mm. lenses for (A) and (C) above. 28 A 6088—Ship wt. 3 oz. Each $9.80


Over-spectacle style, made for wearing over regular glasses. Similar to 28 A 6053. 28 A 6054—Shipping weight 12 oz. $2.75

[F] 28 A 6055—Extra No. 4 density filter lenses, 50-mm. frame, for welding, etc. Shipping weight 3 oz. Each $8.50

[G] 28 A 6057—Extra No. 6 density filter lens, 50-mm; heavy welding. Shipping weight 3 oz. Each $8.50

[H] Wind, Dust Goggles. Won't distort vision. Shields dust, prevent fogging. Channeled lens and lower muzzle, for maximum safety. 28 A 6062—Same as above, but with glass lens. Shipping weight 4 oz. $6.50

[I] Face Shield. Protects eyes, face; non-inflammable plastic. Metal-bound window snaps on shield. Shatterproof lenses for greater safety. 28 A 6048—Shipping weight 1 lb. $1.80

[J] 28 A 6065—Shipping weight 1 lb. $2.39

[K] 28 A 6066—Extra Window, Wt. 8 oz. $8.90

[L] Industrial Respirator. Sure protection! Air-tight fit; valve can't stick open. Easy to clean and replace filter. Filterable non-irritating rubber. For all dust hazards—mineral, agricultural. Includes filter. 28 A 6073—Shipping weight 12 oz. $3.65


[N] 28 A 6081—For women, equipped with face painting, dry cleaning, gasoline, etc. With filter. Design similar to 28 A 6073. Shipping weight 12 oz. $3.59

[O] 28 A 6084—Extra Filter for above. Shipping weight 5 oz. $7.50

[P] Low Cost Respirator. Protects against pollen; wood, grain, metal, stone dust. Lightweight molded rubber frame. 28 A 6087—Shipping weight 8 oz. $1.98

WARRANTY: Respirators cannot be used as Gas Masks!

Plumber's Solder. Actual weight about 1 pound. 9 A 8084—Shipping weight 1 lb. 8 oz. $0.75

Core Solder. Flux is core, all set, ready to use. No soldering paste or soldering fluid needed. 9 A 8085—Shipping weight 1 lb. 8 oz. $0.55

Add Core Welder. For general soldering only. For electrical or radio work, use Rosin Core Solder. 9 A 8095—10-oz. coil. Shipping wt. 6 oz. $0.35

9 A 8093—1-lb. spool. Shipping wt. 1 lb. 6 oz. $0.93

Resin Core Solder. Non-corrosive and non-conductive. Best for electrical and radio work. 9 A 8102—10-oz. coil. Shipping wt. 6 oz. $0.35

9 A 8104—1-lb. spool. Shipping wt. 1 lb. 6 oz. $0.93

Solid Wire Solder. (Not illustrated.) Requires flux. Diameter, 1/32 inch. 9 A 8090—1-lb. spool. Shipping wt. 1 lb. 6 oz. $0.85

Bobbitt Machine. Adapted as best for use in high speed heavy duty work. Pre-war quality. Quick forming . . . easy to use. Two sizes. 9 A 8081—Stove size bar wanted. About 25-pound bar. Shipping weight 2 lbs. 10 oz. $1.19

About 5-lb. bar. Shipping weight 5 lbs. 4 oz. $2.19

Sag Ammonios. Solid type. For cleaning and tinning soldering copper. Permits an even flow of solder. Shipping weight 6 oz. 9 A 8071—4-oz. package $0.19

CRAFTSMAN Electric Soldering Irons. You want to pay much more for a tool of equal quality. Each is tested by Underwriters Laboratories, Inc. Heat quickly concentrated at point of copper tip by Nichrome vacuum welded to iron core. Smooth hardwood handles. For use on any 100-120 volt current. Each soldering iron comes with complete insulated cord, and plug.


CRAFTSMAN, 200-watt heavy-duty six-inch replaceable copper tip. 28 A 5939—Shipping weight 1 lb. 8 oz. Shipping weight 1 lb. 11 oz. $4.95
ROSE TOOLS, INC.

Oxy-Acetylene Welders

Easy to operate... Handbook included
See the 8 super-quality features below
(1) Tested and approved by Underwriters' Laboratories, Inc.
(2) Approved by Associated Factory Mutual Insurance Company.
(3) Tested and approved by Sears own testing laboratories.
(4) Every part individually tested at factory before shipment.
(5) All parts ground and hand fitted to eliminate leaks.
(6) Regulators have patented safety pressure relief devices.
(7) Exclusive balanced pressure non-flash mixers, beyond head of torch and outside of the torch handle, for maximum safety.
(8) All parts are made of solid brass or bronze.

Farmers! Factories and industrial shops! Garages, repair and welding shops! Scrap yard operators! Maintenance men! Just what you've been looking for... a super-quality oxy-acetylene welding outfit at a price you can afford. Pays for itself many times over! Farmers—welding is easy! With this outfit and the Welder's Handbook (included) plus a little practice, you'll be able to do professional type welding for yourself and your neighbors. Portable... you can use it anywhere, even in areas where electrical power is not available or accessible. Make farm repairs in the field—no need to bring work into shop.

Heavy duty construction... extra safety too, because it's triple tested! Made by America's leading manufacturer of welding equipment. Has 1'/4-in. bronze non-flash torch. 6-in. goose-neck is bronze drop forging—will not bend. Forged bronze-bodied regulators have 2 pressure gauges with brass cases, plate glass faces and etched silver dials. 0 to 80 and 0 to 800 lbs. on oxygen regulator, and 0 to 80 and 0 to 500 lbs. on acetylene regulator.

Also included in this outfit! Five wide-range tips of one-piece solid drawn copper, highly polished (sizes AA-1, AA-2, AA-3, AA-4, and AA-5); two 121/4-ft. lengths of 3/4-inch high pressure hose (tested to 800 lbs. per square inch); assorted welding rods; flux; lighter; two wrenches; 50-mm. welder's goggles (meet Federal Specifications 4-GGG-G311A) and 238-page easy-to-understand Welder's Handbook. (This welding outfit may be used as a cutting torch with 9A5444 cutting attachment—not included; see below.)

9 A 5440—Complete outfit, as above. Shpg. wt. 23 lbs. $157.50
9 A 5410—Flux only. Can be used for all kinds of acetylene welding. Shipping weight 1 lb. 3 oz. 1-lb. can 60¢

CRAFTSMAN Oxy-Acetylene Welding Attachments and Accessories

CRAFTSMAN Cutting Attachment. Approved by Underwriters' Laboratories, Inc. Use with welders' outfit 9A05442 above. Replaces mixing attachment. Use in place of mixer. With one 3/4-tip, wrench, instructions. 9 A 5444—Shpg. wt. 2 lbs. 12 oz. $14.50

CRAFTSMAN Cutting Tips. Use with 9A5444 cutting attachment described and listed above. Shipping weight each 6 oz.

CRAFTSMAN Welding Tips. Heavy, one-piece solid drawn copper. Polished finish. Use with 9A05442 listed above, or with 9A5429 listed at right. Shipping weight each 4 oz.

Asorted Welding Rods. A complete selection of welding rods for oxy-acetylene welding of bronze, cast iron, aluminum, mild steel. Includes 90 rods as follows: 12 3/4 x 18-inch and four 3/16 x 18-inch Tobin bronze rods; thirty 3/8 x 18-inch, twenty-two 5/8 x 18-inch, twelve 5/8 x 18-inch and eight 3/4 x 18-inch mild steel; four 3/8 x 18-inch drawn aluminum; seven 3/8 x 24-inch cast iron rods.

Model A Welding Torch. Approved by Underwriters Laboratories, Inc. High quality bronze non-flashback torch with 6-inch goose neck mixer. 171/4 inches long over all. Goose neck is solid bronze drop forging will not bend. Will cut steel with 9A5444 cutting attachment listed at left.

CRAFTSMAN Heating-Brazing Set. Use with Prest-O-Lite cylinders to solder, braze, burn paint, etc. Operates on acetylene only. Requires pressure up to 4 lbs. for largest tip. Not to be used in connection with oxygen or air pressure. Includes; handle; three heat tips; soldering copper; paint burning tip; tank connection; tip cleaner; 8 ft. rubber hose.

46, SEARS, ROEBUCK AND CO.
"Easi-Bild" Patterns... Use only a hammer and a saw!

Just 3 simple steps... save money, time and effort...

(1) TRACE
Place pattern on wood
and trace with pencil

(2) CUT OUT
Saw along traced lines
with power or hand saw

(3) ASSEMBLE
Put together according to
easy-to-follow directions

As low as 15c Here's the ideal way to save money and have fun doing it!
You'll have a great time making your own work bench, boat,
kitchen shelf, bookcase, toys, lawn chairs—even your own
house, or any of the other things shown below and at right.

Anyone who can drive a nail can build them. It's that simple! "Easi-Bild"
Patterns take the mathematical mystery out of building things. No hard-to-
read blueprints... it's the dress pattern idea applied to flat surface of lumber.

Just three simple steps as shown and described above... (1) Place "Easi-
Bild" Pattern on wood and trace with pencil. (2) Saw along traced lines with
either a power saw or a hand saw. (3) Assemble according to directions...
and your article is ready for use, or for painting. Every "Easi-Bild" Pattern
contains a full list of needed materials, recommended kind of lumber to be
used, easy-to-follow, step-by-step directions, and assembly illustrations. Even
shows you where to use screws, nails, bolts, etc.

The many things YOU can build with these patterns are shown on this page,
set up. Look them over carefully now, and decide which patterns you want.
Price and pattern number is listed below each pattern illustration. Lumber
and materials not included. Postpaid. (Shipping weight each 6 ounces.)

9 A 2900—"Easi-Bild" Patterns. Please be sure to state pattern numbers wanted.

EVERY HOME NEEDS

No. 15 Handy Work Bench... 25c
No. 30 Window Valance... 25c
No. 41 Undersink Enclosure... 50c
No. 5 Kitchen Shelf... 25c
No. 73 Outdoor Fireplace... 25c
No. 85 Utility Boat... 1.00

KITCHEN EQUIPMENT

No. 3 Kitchen Unit... 50c
No. 41 Undersink Enclosure... 50c
No. 5 Kitchen Shelf... 25c

BUILDINGS

No. 910 Two-bedroom House... $3.00
No. 91 Country Cottage... $3.00

INTERIOR

No. 18 Bookcase... 25c
No. 38 Corner Cabinet... 50c
No. 42 Modern Bookcase... 50c
No. 6 All Purpose Shelf... 25c
No. 24 Wall Shelf... 25c
No. 35 Walnut Shelf... 20c
No. 36 Walnut Shelf... 20c
No. 25 Magazine Rack... 25c

CHILDREN'S EQUIPMENT

No. 64 Colonial Cradle... 25c
No. 34 Clothes Tree... 25c
No. 65 Wheelbarrow... 25c
No. 53 Pony Ride Rocker... 35c
No. 81 Lawn Ornament... 25c
No. 54 Hobby Horse... 20c
No. 33 Doll House... 50c

LAWN AND PORCH FURNITURE

No. 32 Lawn Chair... 25c
No. 39 Lawn Settee... 35c
No. 55 Foldaway Settee... 35c
No. 56 Foldaway Chair... 25c
No. 78 Garden Chair... 35c
Handy Tool Light
Improper lighting in the shop costs money. You'll save money and have pro- per light if you use this handy work light. Easy-to-adjust, 18-inch flexible cable goose neck permits movement to any desired position. New type triangular shades, which gives greater concentration of light, may be rotated 360 degrees.
Interlocking socket cannot be pulled apart. Has C clamp for fastening to work bench or tool. All steel construction; gray enamelled finish. Takes 60-watt or smaller bulb. For 110-120 volt A.C. Complete with 6-ft. plastic cord and plug.

$295

ROSE TOOLS, INC.

CRAFTSMAN Hammers and Mallets

$2.25

[Catalogue entries and prices]

CRAFTSMAN Hand Drills

$2.49

Heavy Duty Clamps
Iron C Clamps, Strong clamps with Acme threaded screw. Self-adjusting swivel head.

Each

<table>
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<tr>
<th>Slg. wt.</th>
<th>Price</th>
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<td>1 lb. 8 oz.</td>
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<tr>
<td>2 lb. 2 oz.</td>
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Gluing Clamp. Adjustable pipe style. Use with any 3/4-inch threaded pipe. Made of malleable iron. Has convenient crank adjustment. Sliding jaw has 1 1/2 x 3 1/4-inch face; handy lever lock. With cap for end of pipe. Pipe not included.

$2.45

Cabinet Makers' Steel Clamps. Bar type. Bar is 15 x 5 x 1 1/4-in. Sliding jaw has 1 1/2 x 3 1/4-inch face. Has convenient crank adjustment. Shpg. wt. 4 lbs. 8 oz.

$12.10

Sawhorse Brackets
Two types for making your own sawhorses quickly and easily—set up tables, platforms, etc. Lumber is not included with brackets.

$130

Roof Clamps. Fastens to roof in a jiffy. Length 20 in. for use with 3 x 4 x 8-in. shingles. Weight 2 pounds 6 oz.

$2.75

New type. Needs no nails, screws or bolts. Rust-resistant plated steel.

$3.10

Translucent Plastic Utility Boxes
Don't mislay those small machine, radio or electrical parts! Store them safely in one of these translucent plastic boxes. The ideal container for holding hobby shop items, filing tackle—files, hooks, etc.—tacks, screws, nails, washers, etc. Also handy for women's earrings, jewelry, buttons, etc. Exceptionally lightweight. Thick translucent plastic walls keep items separated, yet easy to find without opening box. Dust and dust-free! Snug covers with smooth working hinges. In various sizes with various size compartments. See small views above for types available. Get several today.

$450

Tool Cabinet
Handy four-drawer tool cabinet. Ideal for storing small tools and parts. Drawers fronts have useful index card holders and pulls. Made of 24-gauge sheet steel, electrically welded. Dimensions: length 19 in.; width 7 3/4 in.; height 8 1/2 in. Each of four drawers, 7 3/4 x 10 1/2 in.; have 12 partitions that are adjustable and removable. Smooth machinist gray finish.

$450

ROSE TOOLS, INC.
Streamlined Hand Drill


Bench Leg Sets

Four steel bench legs of heavy cold rolled steel. Holes for installing lower shelf or cross braces at six different heights as desired. Enameled gray. With 4 legs, shelf-supporting brackets, but screws, camination plated bolts, lock washers, nuts and instructions. Wood parts not included.

6 Inch-length black steel block frame with 30°45° inch roll of medium grit paper, stretched over felt cushion. 9A 3681 - Shpg. wt. 12 oz. - $0.75

6 inch Sanding Block

Self-centering Punch

CRAFTSMAN. Steel body held for accurate grip. Nickel plated. 4 inches long, overall. 10 In. Steel punch, 3 oz. - $0.55

CRAFTSMAN Combination Square. Base steel blade graduated in Ribs and 6 inches in length. Blade slotted so semi steel handle, level and scriber handle can be moved to any point. 9A 3954 - 9 in. blade. - $1.25

CRAFTSMAN Jig Saw File Set

Fix all standard jig saws. Help eliminate tedious filing on metal or wood patterns, dies, scroll work, etc. 12 in. long. Swiss pattern, 000 size. Filed teeth. Files in 12-piece set are 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 in. long. 9A 6577 - Shpg. wt. 12 oz. - $7.50

Special Jig Saw Files. Made from special steel: heat treated, tempered to cut very close. Strong, deep-cut teeth. Files in 12-piece set are 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 in. long. 9A 6578 - Shpg. wt. 12 oz. - $7.50

Wood Dowels

For model building, furniture repairs, etc. Clear grain hardwood, 1/4 in. diameter. 16 in. long. 9A 2907 - Shpg. wt. 14 oz. - $0.35

CRAFTSMAN Sharpening Stones. Keep tools sharp. Vitreous bonded on 2 inch dense grit; other side coarse grit. One side fine grit; other side course grit. 9A 6440 - State size wanted. 5x2x1 in. Shpg. wt. 12 oz. - $0.95

CRAFTSMAN Push Drill

Automatic type. New! Finest drill of this kind we've ever seen! Compare it with any drill of its type for features, quality and low price! Strengthened design, properly balanced. Just the drill for boring holes in record time. Internal precision machined bronze spindle gives smooth automatic action. 4 jaw chuck of hardened steel holds drill points firmly. Heavy chrome plated finish; rust-resistant. Blue enameled handle; grooved to prevent slipping. Complete with eight drill points, sizes 1/2 to 1/4 in. inch, which store safe and handy in handy-type handle. Length 9 inches.

9A 4250 - Set of 8 Drills. For all hand drills. For drilling wood, Large $1.19 to 1/2, Shpg. wt. 4 oz. - $0.45

CRAFTSMAN. Heavy duty. Machined. "Super-Tuff" steel spurs. Drive or draw screws by pushing on handle. Left or right hand ratchet can be set rigid; locks closed. With 8 bits small, medium, large. 9A 4140 - Pistol grip handle. Standard size. Tenite plastic handle. Gives more leverage than others type. Bits store in handle. Length extended with bit, 91/2 in. Shpg. wt. 1 lb. 8 oz. - $4.25

Automatic Screwdrivers

CRAFTSMAN. Professional quality. Heavy duty. Machine"Super-Tuff"steel spurs. Drive or draw screws by pushing on handle. Left or right hand ratchet can be set rigid; locks closed. Complete with 8 bits in small, medium, and large size.

9A 4138 - Standard size. Length extended, with bit, 131/2 inches. Shipping weight 1 lb. 9 oz. - $3.75

9A 4140 - Large size. Length extended, with bit, 25 inches. Shipping weight 4 pound 12 ounces. - $5.15

Automatic Screwdrivers

CRAFTSMAN. Professional quality. Heavy duty. Machine"Super-Tuff"steel spurs. Drive or draw screws by pushing on handle. Left or right hand ratchet can be set rigid; locks closed. Complete with 8 bits in small, medium, and large size.

9A 4134 - Standard size. Length extended, with bit, 81/2 inches. Shipping weight 1 lb. 8 oz. - $2.75

9A 4140 - Large size. Length extended, with bit, 25 inches. Shipping weight 4 pound 12 ounces. - $5.15

Craftsman Push Drill

Automatic type. New! Finest drill of this kind we've ever seen! Compare it with any drill of its type for features, quality and low price! Strengthened design, properly balanced. Just the drill for boring holes in record time. Internal precision machined bronze spindle gives smooth automatic action. 4 jaw chuck of hardened steel holds drill points firmly. Heavy chrome plated finish; rust-resistant. Blue enameled handle; grooved to prevent slipping. Complete with eight drill points, sizes 1/2 to 1/4 in. inch, which store safe and handy in handy-type handle. Length 9 inches.

9A 4245 - Shpg. wt. 1 lb. 3 oz. - $2.75
POWER TOOLS

More Americans Buy Craftsman Power Tools
than any other brand...

Sears, Roebuck and Co.