YOU CAN DO SO MUCH MORE SO MUCH BETTER with

For The BEST In Power Tools And Service, See Your Atlas Dealer . . .

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JONES MACHINERY CO.
425 E. THIRD ST.   DAYTON, OHIO
HE 5411   FL 3561

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THE NEW Atlas
8-INCH TILT/ARBOR
CIRCULAR SAW

The ATLAS 3021 is a completely new saw. Every feature of its new construction is engineered and built to give you faster, smoother, easier and more accurate performance than you've ever experienced with any 8-inch circular saw.

The new structural box mechanism of the cradle and arm that holds the blade in rigid alignment at every height, angle and cutting load (an ATLAS exclusive... the most significant advancement in saw design in two decades)... the new dual control handwheel that instantly adjusts the blade for cutting depth or tilts it to cut any angle up to 45° while your work lies flat... the new grip form miter gauge that's made to fit your hand... the new quick-positioning table-length fence, with one lever that locks both ends or releases fence for instant removal... the new dual V-belt drive... new bearing and arbor construction... these are but a few of the many great new features you'll find in the 3021. Read about all of them. Then visit your ATLAS dealer's — see the brilliant new ATLAS.

The tilt/arbore circular saw is recognized as the basic utility woodworking tool. It surpasses all other power saws and "combination tools" in accuracy, efficiency, versatility and safety. Whether or not you now own a saw, we know you'll agree the new ATLAS 3021 is America's greatest tilt/arbore saw value — the saw for your shop!

ACCESSORIES

No. 3021 ATLAS 8" TILT/ARBOR BALL BEARING CIRCULAR SAW, with combination blade, miter gauge and stop rods, fence, motor pulley, belts, built-in switch with cord; less guard, motor and stand. 112 lb.

No. 3023 STAND. Heavy gauge steel in pyramid design that provides a rigid support. 18½" x 26" x 22¾" high. 30 lb.

No. 3532 CLEAR VISION SAFETY GUARD. Tough transparent Tensite "window" permits operator to see work. Furnished with splitter, anti kickback paws, and mounting bracket. Quickly installed or removed. 3 lb.

No. 3237 TABLE EXTENSION. 10¾" x 22¾". See Page 7.

No. 2752 1⁄2 HP, 3450 RPM Single Phase, Capacitor Start Ball Bearing Motor. See Page 8. See Pages 6 and 7 for all other saw accessories.

NEVER BEFORE SUCH ACCURACY, EFFICIENCY, CAPACITY, VALUE...

STYLED BY
HARLEY EARL
DESIGNERS

you can DO so much
MORE so much
BETTER with
IT'S MORE ACCURATE

The one-piece steel base is scientifically designed for maximum rigidity, the first essential to accurate sawing. Table is heavy, thick-ribbed, grey-iron. Top is precision ground. Front and rear are finish-machined; and both sides and mitre gauge slots are machined simultaneously. These extra machining operations assure correct alignment of blade with mitre gauge and fence, and provide for accurate mounting of table extensions.

The saw cradle and arm are a new structural box design that holds the blade in rigid alignment at every height and angle. New arbor-bearing design ... arbor and bearings are cartridge-type, an integral unit for greater accuracy and rigidity. The arbor is solid precision ground steel, 3/4" diameter at the bearings, with end turned to 5/8" for mounting the blade. Bearings are lubricated and sealed-for-life. Biggest arbor-bearing construction in any 8" saw.

Other features that give you greater accuracy with the 3021 are the famous patented ATLAS fence and the new contour grip mitre gauge. Fence is 25/8" high ... extends the full length of the table ... locks rigidly at both ends ... has a unique vernier control for hairline settings. Fence guide bar is solid steel, it can't bend. Mitre gauge is contoured so work may be gripped more firmly — has index plungers for 45° and 90° positions, positive adjustable stops, and extension stop rods.

And the new ATLAS has tilt/arbor design — the blade tilts for angle sawing — for greater safety and accuracy, your work is always in a natural, horizontal position regardless of type of cut.

IT'S EASIER HANDLING, MORE EFFICIENT

All controls are conveniently located at front of saw — the switch, and the big handwheel that controls both blade height and angle are right at your fingertips, as is the tilt lock. Push in the handwheel — turn — and the blade raises or lowers. Pull the handwheel — turn — and the blade tilts. Balanced suspension gives you almost effortless control of blade height and angle — you'll be amazed at the ease and speed with which you can position the blade. The giant tilt gauge can be read at a glance — one lever locks both ends of fence or releases it instantly for lifting off for removal or positioning either side of blade — grip-form mitre gauge has quick-set index plungers, adjustable stops, and stop rods for duplicate work. Safety guard, optional, has clear Tenite plastic window that lets you see what you're doing.

The new 3021 has dual V-belt drive that delivers full power from motor to blade ... an ATLAS exclusive. Motor mounting base is integral with cradle, making the saw a compact unit. Patented spring mechanism keeps belts at proper tension for every depth of cut.

IT HAS BIG JOB CAPACITY AND VERSATILITY

You'll appreciate the big sawing capacity of the 3021 — note the specifications listed below! And ripping and crosscutting lumber are just the beginning of this versatile saw's usefulness. Add a dado head, it's set to cut a host of joints. And with an ATLAS moulding head and cutters it will produce mouldings, trim, handle all the straight shaping jobs that improve the appearance and value of your home building, finishing, remodeling, cabinet making and furniture construction.

**SPECIALS**

<table>
<thead>
<tr>
<th>Table Dimensions</th>
<th>17&quot; x 22 1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>with one extension</td>
<td>27 3/4&quot; x 22 1/2&quot;</td>
</tr>
<tr>
<td>with two extensions</td>
<td>38 1/2&quot; x 22 1/2&quot;</td>
</tr>
<tr>
<td>Blade, Combination rip-crosscut,</td>
<td>8 1/2&quot;</td>
</tr>
<tr>
<td>5/8&quot; hole</td>
<td>8&quot; dia.</td>
</tr>
<tr>
<td>Dado Capacity</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>Maximum Depth of Cut</td>
<td>2 3/8&quot;</td>
</tr>
<tr>
<td>Table Surface Ahead of Blade</td>
<td>11 1/4&quot;</td>
</tr>
<tr>
<td>Table to Right or Left of Blade</td>
<td>8 1/2&quot;</td>
</tr>
<tr>
<td>Maximum Distance, Right of Blade to Fence</td>
<td>7 7/8&quot;</td>
</tr>
<tr>
<td>Blade Tilts to</td>
<td>45°</td>
</tr>
<tr>
<td>Rip Fence Length</td>
<td>26 5/8&quot;</td>
</tr>
<tr>
<td>Rip Fence Height</td>
<td>2 3/4&quot;</td>
</tr>
<tr>
<td>Scale, Graduated in 1/16&quot;</td>
<td>0 to 16 1/2&quot;</td>
</tr>
<tr>
<td>Base Dimensions</td>
<td>15 1/2&quot; x 17 1/4&quot;</td>
</tr>
<tr>
<td>Overall Depth with Motor</td>
<td>37&quot;</td>
</tr>
<tr>
<td>Overall Width</td>
<td>27&quot;</td>
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<tr>
<td>Overall Height</td>
<td>15&quot;</td>
</tr>
<tr>
<td>Shipping Weight, less motor</td>
<td>112 lb.</td>
</tr>
<tr>
<td>Motor Recommended</td>
<td>1/2 or 3/4 HP, 3450 RPM</td>
</tr>
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</table>

ALWAYS WORKS AT TOP SPEED. Dual V-belt drive delivers full power to blade ... an exclusive feature that makes wood sing through the ATLAS 8", front motor base is integral, tilted with saw mechanism.

TILT/ARBOR DESIGN. With the 3021, all tilt ... vertical angle, double angle, and bevel are taken with the same ease and speed as a normal, flat, safe position.
NEW Atlas 10" TILT/ARBOR CIRCULAR SAW

ENGINEERED for RIGIDITY, ACCURACY and EFFICIENCY

You can see and feel the results... smoother, more accurate sawing... easier blade settings... longer machine life. The sensational new ATLAS saw mechanism... the heart of this great new saw... is a significant advancement in circular saw engineering.

THE PRINCIPLE IS BASIC... a box shape takes advantage of the maximum strength of materials. Form any material into a box and ITS STRENGTH IS INCREASED MANY TIMES. In the 3061, the saw arm is deep drawn steel, and the saw cradle is rugged malleable iron and steel, combined in structural box design that has maximum resistance to twisting, vibration and stresses... maintains accurate blade alignment at every height, angle and cutting load. Result... the smoothest, most accurate cutting you've ever experienced in a 10-inch bench saw. This advancement in saw engineering is but one of the many new exclusive features you'll find in the ATLAS 3061.

Comparisons will quickly prove the new ATLAS is a saw you can depend on for continuous production, and accuracy for the finest cabinetwork.

REVOLUTIONARY BOX-TYPE MECHANISM. (patents pending). The heart of the saw... more rigid to resist stresses, assure greater accuracy... more rugged for smoother operation and longer life... with balanced suspension for easy operation.

TRIANGULAR BOX SAW ARM... made of two widely spaced, deep drawn, thick steel triangles that give full support to bearings at both extremities, holding blade in rigid alignment at every height, angle and cutting load — an ATLAS exclusive.

BIGGER ARBOR-BEARING. Arbor and sleeve-for-life ball bearings are an integral unit — cartridge-type, with the arbor the inner race of the bearings! Another engineering first that gives you longer service with an ATLAS.

With an ATLAS you're moving weight at its balance point — the tilt mechanism is located at the rear of the cradle, the balance point between the motor and the saw mechanism, the result — almost effortless control of blade height and angle — an exclusive on ATLAS saws!
A look inside will quickly show you why you can expect and get greater accuracy, easier operation and longer service life with the new ATLAS 3061. The massive, balanced mechanism... with its rigid box-type cradle, triangular box-type steel arm, bigger arbor and sealed-for-life ball bearings... is the secret.

The structural box-design cradle that supports the saw arm is heavily flanged steel and malleable iron. It tilts on two widely spaced malleable iron trunnions bolted and doweled to table casting. The arbor and bearings are an integral unit for greatest accuracy and longest service life! The arbor is precision-ground steel, 3/8" in diameter — it's the biggest arbor-bearing design of any 10" bench saw!

New, push-pull dual control is the handiest ever... one handwheel on front of saw controls both tilt and height settings. Push it in... turn... and 3/8" diameter Acme screw raises or lowers blade. Blade raises to 3/4" above table! Pull the handwheel... turn... and the blade tilts for angle cuts. Angle of tilt is controlled thru self-cleaning helical steel gears and self-cleaning worm and rack. This tilt mechanism is located at balance point between motor and saw mechanism to give you almost effortless control — you'll be amazed at the feather-light action.

And you'll like the big, clearly marked tilt gauge that's easier to read... eliminates errors. The motor switch is right at your finger tips, too. All controls are conveniently located at front of saw.

The table is thick, heavily ribbed grey-iron... 21" x 26", with 12" ahead of blade and 9 1/2" right or left of blade to fence. Top is precision ground to close tolerances for maximum accuracy and for smooth sliding of work. And for ease in handling big panels, low cost grey-iron grill-type extensions, original with ATLAS, can be added to either side to provide a 50" x 26" working surface.

Famous patented ATLAS fence saves time, insures accuracy, and eliminates waste. It extends entire length of table... locks firmly at both ends with a single, quick-acting lever... lifts off for removal or positioning either side of blade... has unique vernier control for fine settings. New grip-form mitre gauge is shaped to fit your hand... gives a surer grip to prevent slipping... has index plunger for 45° and 90° positions, positive adjustable stops and extension stop rods.

Exclusive Clear-Vision safety guard has a window of tough, transparent Tenite plastic... you see the blade and work. Has splitter and anti-kickback pawls. Takes but seconds to remove or mount.

New dual V-belt drive delivers full power to blade... assures smooth, even, fast cutting. Motor tilts with blade... motor mount is integral with cradle, making the saw a compact, balanced unit.

Saw base is one-piece steel... a rigid, rugged foundation. Pyramid design stand, optional, is scientifically designed for perfect balance and maximum rigidity.

The new ATLAS is soundly engineered... and it is precision built. The table top is ground to close precision tolerances. The front and rear table edges are machined simultaneously... table sides and mitre gauge slots are machined simultaneously and are parallel to within 0.003"... to assure alignment of blade, fence and mitre gauge, and to provide for accurate mounting of table extensions. The blade collar is ground concentric to within 0.001". Saw arbor and mitre gauge slots align to within 0.007" — the trunnions are bolted and doweled to table after the arbor has been aligned with the gauge slots!

The ATLAS 10" tilt/arbior circular saw is today's number 1 shop tool for big capacity and efficient performance. It gives you new ease and greater accuracy in every circular sawing operation. And with ATLAS accessories it cuts a host of useful joints, handles an almost endless list of straight shaping operations. It's the backbone of the woodworking shop. Whatever type of saw you're using, it will pay you to visit your franchised ATLAS dealer and inspect this great new saw... once you've seen it you won't be satisfied with any other.

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Table</th>
<th>21&quot; x 26&quot;</th>
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</thead>
<tbody>
<tr>
<td>with one extension</td>
<td>35 1/2&quot; x 26&quot;</td>
</tr>
<tr>
<td>with two extensions</td>
<td>50&quot; x 26&quot;</td>
</tr>
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</table>

**Blade Tilt**

| Blade Grade | 45° |

**Rip Fence**

| Fence Width | 31" x 21 1/2" |

**Table Fence**

| Table Scale, Graduated in 1/16" | 0-18 1/2" |

**Base Dimensions**

| Dimensions | 15 1/2" x 17 1/4" |

**Overall Depth, with motor**

| Overall Depth | 42 1/8" |

**Overall Width**

| Overall Width | 30 1/4" |

**Overall Height**

| Overall Height | 38" |

**Shipping Weight, less motor**

| Shipping Weight | 162 lb. |

**Motor Recommended**

| Motor Recommended | 3/4 or 1 HP, 3450 RPM |

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**SAW AND ACCESSORIES**

**No. 3061 ATLAS 10" TILT/ARBOR BALL BEARING SAW**, with safety guard, combination blade, mitre gauge and stop rods, fence, motor pulley, belts, built-in switch with cord; less motor and stand. 162 lb.

**No. 3244 TABLE EXTENSION, 14 1/2" x 26"**. See Page 7.

**No. 9023 STAND.** Heavy gauge steel in pyramid design. A rigid support 18 1/2" x 20" x 22 3/4" high. 50 lb.

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**EXCLUSIVE CLEAR-VISION SAFETY GUARD**

Tough, transparent Tenite plastic window lets you see your work... gives full protection without cutting off vision... anti-kickback panels and splitters included.

**EXCLUSIVE OUTBOARD MITRE GAUGE**

Natural contour fits the hand... feels better, prevents slipping... Graduated 30° left and right... convenient adjustable stops, and extension stop rods for duplicating work.
The quick-set fence is cast aluminum, extends full length of table—one movement of lever locks both ends or releases fence for instant positioning or lifting off. Ramped knob controls vari-able adjustment through rack and pinion. Solid steel guide bar has graduated scale.

Sawing large panels is easy work on an ATLAS. The big grey-iron table gives plenty of support for large stock: precision-ground surface assures smooth feeding. Scientific grill design of table extensions—original with ATLAS—provides extra support for big boards.

Dual V-belt drive assures efficient transmission of power from motor to blade. Heavy cast-iron motor base, attached directly to saw arm, keeps vibration at minimum.

The No. 3170 comes equipped with two solid, precision-ground side table extensions—has 35" x 27 1/2" working surface. Grey-iron, rib-braced, the extensions provide a rigid support for sawing large stock.

The ATLAS cuts 3 1/4" deep. The blade tilts, table stays flat for greater accuracy and safety on angle cuts. Saw arbor spins on large sealed-for-life ball bearings. Rip fence locks at both ends, releases instantly for removal or positioning either side of blade—has vernier control for fine adjustments. Blade controls are large and conveniently located for ease and speed in setup. Dual V-belt drive assures efficient transmission of power. Operates from 3/4 or 1 HP, 3450 RPM motor.

**SPECIFICATIONS**

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<th>Item</th>
<th>Specification</th>
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<tr>
<td>Table Surface Right of Blade</td>
<td>19 1/2&quot;</td>
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<td>Max. Dist., Right of Blade to Fence</td>
<td>18&quot;</td>
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<tr>
<td>Table Surface Left of Blade</td>
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<tr>
<td>Overall Width</td>
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<td>Shipping Wt., (less motor)</td>
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<td>All other specifications as shown at right</td>
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</table>

**CIRCULAR SAW BLADES**

- Chrome-nickel alloy steel for fast, smooth cutting and long blade life. See NOTE below.
- **COMBINATION.**
  - No. 3210 10" 1/4" hole, 32 lb.
  - No. 3211 10" 1/4" hole, 32 lb.
  - No. 3212 10" 1/4" hole, 32 lb.
  - No. 3213 10" 1/4" hole, 32 lb.
- **CROSSCUT.**
  - No. 3226 10" 1/4" hole, 32 lb.
  - No. 3227 10" 1/4" hole, 32 lb.
  - No. 3228 10" 1/4" hole, 32 lb.
  - No. 3229 10" 1/4" hole, 32 lb.
- **HOLLOW GROUND.**
  - No. 3226 10" 1/4" hole, 32 lb.
  - No. 3227 10" 1/4" hole, 32 lb.
  - No. 3228 10" 1/4" hole, 32 lb.
- **RIP.**
  - No. 3229 10" 1/4" hole, 32 lb.
  - No. 3230 10" 1/4" hole, 32 lb.
- **FULLY TIPPED PLAIN**
  - No. 3231 10" 1/4" hole, 32 lb.
- **FULLY TIPPED CARBIDE**
  - No. 3232 10" 1/4" hole, 32 lb.

**DADO HEADS**

Chrome - nickel molybdenum alloy steel, carefully ground and set for cutting clean, accurate dados and rabbets. Furnished with 2 outside blades and chips to give capacities indicated. Use with insert pieces below.

- **No. 3346** 6" DADO HEAD, 15/16" capacity, 5/8" bore, for ATLAS 10" floor saws, 4 lb.
- **No. 3347** 6" DADO HEAD, 15/16" capacity, 5/8" bore, for ATLAS No. 5061. 4 lb.
- **No. 3348** 5 1/2" DADO HEAD, 15/16" capacity, 5/8" bore, for ATLAS No. 3021. 5 lb.
- **No. 3351** 5 1/2" DADO HEAD, 9/16" capacity, 5/8" bore, for WORKSHOP No. 9310. 5 lb.

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**YOU CAN DO MORE WITH ATLAS**

6

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TILT/ARBOR FLOOR SAWS

Whatever your sawing requirements—production, construction, vocational training, cabinet, or commercial shop—there's an ATLAS that will fill your needs to perfection. These 10" floor saws are carefully engineered and ruggedly built to exacting standards for greater accuracy and efficiency in every sawing operation.

Outstanding features include: choice of three table sizes—20" x 27½" or 39½" x 27½" or 59½" x 27½", with 13" of working surface ahead of blade and 1⅝" depth of cut—plenty of capacity for handling big stock. The ATLAS tilt/arbors design, fast acting blade controls, Clear-Vision guard, and double-locking lift-off fence assure ease and speed in operation. Large sealed ball bearings, extra heavy construction, and precision machining ensure smooth accurate cutting, and long service life. And the new ATLAS is economical to operate—the standard 3/4 HP or 1 HP motor recommended keeps power costs at a minimum—dual V-belt drive assures efficient transmission of power from motor to blade.

EQUIPMENT FURNISHED, ALL MODELS

Includes quick-positioning fence; mitre gauge with stop rods; Clear-Vision safety guard, anti-kickback pawls, and splitter; adjustable motor mounting base; 10" combination rip-crosruot blade; two V-belts and dual motor pulleys (with 9/16" bore); belt guard; less motor.

SAW

Furnished with two solid side extensions as illustrated.

No. 3170

MOULDING AND DADO HEAD

No. 331 MOULDING AND DADO HEAD for ATLAS Circular Saws and others with 1¼", 3¾" or 6¾" motors. All dadoing and shaping operations can be done with this precision tool and the CUTTERs listed on Page 13. Use with insert plate below, 3 lb.

See Cutter Blades on Page 23.

INSERT PLATES

For Dado Heads, and No. 3501 Moulding and Dado Head.

No. 3228 DADO INSERT PLATE for ATLAS 10½" Floor Saws, 2 lb.
No. 3540 DADO INSERT PLATE for No. 3021, 3061 bench saws. A single phase, thermal overload, manual starter with twin break contacts of "Fine" silver. Complete with mounting bracket and motor cord. 2 lb.
No. 3226 Oriental Heater Coil for above switch. Specify with, without and appearance of motor with which switch will be used. 4 oz.
For 3-phase switch, see Page 31.

HEAVY DUTY MOTOR CONTROL SWITCH

No. 3225 HEAVY DUTY MOTOR CONTROL SWITCH for ATLAS Floor Saws and 3021, 3061 bench saws. A single phase, thermal overload, manual starter with twin break contacts of "Fine" silver. Complete with mounting bracket and motor cord. 2 lb.

No. 3226 Oriental Heater Coil for above switch. Specify with, without and appearance of motor with which switch will be used. 4 oz.
For 3-phase switch, see Page 31.

STANDS FOR BENCH SAWS

Heavy gauge steel in new pyramid design. Rigid support for saws.

No. 9053 Machine Stand for No. 3061 and No. 3017 Bench Saws. 18½" x 26" x 22½" high. 50 lb.
No. 9318 Machine Stand for No. 9310 8" Bench Saw. 15½" x 22½" x 25½" high, 25 lb.

TABLE EXTENSIONS FOR BENCH AND FLOOR SAWS

Grey-iron with grill design for rigidity—original with ATLAS. Top precision ground for smooth sliding of work, sides machined for accurate alignment. Furnished with fence guide bar and mounting bolts. Extensions are ready drilled for mounting on either side of table, and two may be used on a side.

No. 3249 TABLE EXTENSION, for ATLAS 10½" floor saws. 19¼" x 27½". 35 lb.
No. 3244 EXTENSION for No. 3061 10½" saw. 18½" x 22½". 22 lb.
No. 3237 EXTENSION for No. 3021 8" saw. 10½" x 22½". 16 lb.
No. 9316 EXTENSION for No. 9310 8" saw. 12½" x 18½". 6 lb.

www.OzarkToolManuals.com
NEW 8-inch tilt/arbor BALL BEARING SAW

Here is America's most sensational circular saw value. It gives you the speed, accuracy, smoothness and ease of operation you'd expect only in a high-priced saw, yet it's yours at a budget price with all these important features:

TILT ARBOR DESIGN. Work and table stay flat, while the blade tilts to any angle up to 45° — it's safe, accurate. Merely loosen the lock handle on front of saw, swing to the angle you want and relcock. Handwheel controls blade height—knob locks blade in position.

BALL BEARING CONSTRUCTION. The saw spins on lubricated and sealed-for-life ball bearings. They're BIG bearings — saw arbor is 5/4" diameter solid precision ground steel! And it's a cartridge type unit, with the arbor the inner race of the bearings.

BIG CAPACITY. With a 23/8" depth of cut, and 15" x 18" table with 8/4" table surface ahead of blade, the 9310 handles a WIDE range of work quickly and easily.

DOUBLE-LOCKING QUICK-POSITIONING FENCE. Rip fence extends full length of table, locks at BOTH ends. Turn the handle and it releases instantly for removal or positioning either side of blade. Has vernier for fine adjustment.

PRECISION-GROUND TABLE. Thick grey-iron, heavily ribbed. Its precision ground top is a smooth easy-sliding surface for accurate work. Sides are accurately machined to assure correct alignment of extensions.

ONE-PIECE BASE . . . drawn steel for greater rigidity — a rugged foundation.

EQUIPMENT FURNISHED. 8" combination blade, mitre gauge, fence, motor rail, V-belt, motor pulley, are included in its low cost. Guard, Stand and Motor, extra.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Table</th>
<th>15&quot; wide x 19&quot; deep</th>
</tr>
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<tbody>
<tr>
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<td>12&quot; wide</td>
</tr>
<tr>
<td>with two extensions</td>
<td>29&quot; wide</td>
</tr>
<tr>
<td>Saw blade, combination, 5/4&quot; hole</td>
<td>8&quot; diameter</td>
</tr>
<tr>
<td>Dado capacity</td>
<td>9/10&quot;</td>
</tr>
<tr>
<td>Max. depth of cut</td>
<td>2 1/2&quot;</td>
</tr>
<tr>
<td>Table surface ahead of blade (max. depth of cut)</td>
<td>8 1/2&quot;</td>
</tr>
<tr>
<td>Table surface, right or left of blade</td>
<td>7 1/2&quot;</td>
</tr>
<tr>
<td>Blade tilts to</td>
<td>45°</td>
</tr>
<tr>
<td>Rip fence</td>
<td>20 1/2&quot; x 2&quot;</td>
</tr>
<tr>
<td>Table edge graduated in 1/16&quot;</td>
<td>0-6&quot;</td>
</tr>
<tr>
<td>Base dimensions</td>
<td>12 1/2&quot; wide x 14&quot; deep</td>
</tr>
<tr>
<td>Motor recommended</td>
<td>1/2 or 3/4 HP, 1725 RPM</td>
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ATLAS No. 2514
NEW
SAW-JOINTER
COMBINATIONS

The saw-jointer is the most practical of combination power tools. It equips you to quickly and easily handle all the basic operations required in every woodworking job—from building a home to making cupboards or fine furniture.

It's efficient. With this combination you can saw out your stock, take two steps to the jointer, shift the motor belt, and plane the piece to exact size. There's no time lost in moving from one machine to another.

It's economical. Both tools are mounted on one stand, and both are powered by one motor. What's more, the unique ATLAS motor rail and switch cord jack furnished make it possible to remove the motor in 4 seconds for use on other power tools.

It's easily portable. The ATLAS-Workshop is equipped with casters—it can be moved instantly to any spot in the shop, or easily taken right to the job.

And the new ATLAS-Workshops are the greatest saw-jointer values you'll find anywhere. Compare these features—compare prices—and you'll quickly see why:

Both combinations are equipped with the 9310 8" circular saw described on the facing page—a big capacity ball bearing tilt/arbor saw—a quality saw with features usually found only in combinations costing many dollars more.

And there's a choice of joints. No. 9400 has the Workshop 4" ball bearing jointer described on Page 12—America's most advanced jointer-planer. And No. 9401 is furnished with the 4" Workshop bronze bearing jointer described on Page 13.

The stand is a sturdy foundation for accurate work. Top is solid wood 13/4" thick—legs and cross braces are 1/4" thick steel. It's really husky! 3" diameter hard rubber casters, furnished, make the entire combination easily portable. Top is drilled for mounting machines and motor support—has openings for sawdust chutes, available extra.

EQUIPMENT FURNISHED. All you need to put the 9400 or 9401 in operation is an ATLAS No. 2514 motor. Everything else is furnished, including the motor mounting bracket, motor rail and clips, switch for mounting in saw base, switch cord with jack, two motor pulleys, vee-belt, rip-crosscut saw blade, saw fence and mitre gauge.

No. 9400 SAW-JOINTER COMBINATION, furnished with No. 6990 4" ball bearing jointer, No. 9310 8" tilt/arbor ball bearing circular saw, No. 9024 stand with casters, and the material mentioned above under "Equipment Furnished"; less saw guard and motor, 150 lb.

No. 9401 SAW-JOINTER COMBINATION, furnished with No. 9300 4" bronze bearing jointer, No. 9310 8" tilt/arbor ball bearing circular saw, No. 9024 stand with casters, and the material mentioned above under "Equipment Furnished"; less saw guard and motor, 122 lb.

No. 9317 BLADE GUARD and splitter for No. 9310 circular saw. Bolts to saw table. 3 lb.

No. 2514 1/2 HP, 1725 RPM, double-end shaft MOTOR. 36 lb.

No. 9024 STAND only, for use with No. 9310 saw and No. 9024 or No. 9350 jointer. Furnished with one motor pulley, motor support bracket, switch, switch cord with jack, two casters. Ready-drilled for mounting machines. 35 lb.
Designed and built to handle more work — with better finish and accuracy — in less time

The value of any jointer is measured by its ability to produce work to exact dimensions, and to a smooth ripple-free finish. The jointer is truly the precision woodworking machine.

Planing, beveling, tonguing, rabbeting, end-jointing, edging — all types of operations on wide or narrow, long or short, light or heavy boards — are handled with unequalled accuracy, finish, ease of operation and safety on the ATLAS 6001.

The superior features of its completely new design have been acclaimed by woodworkers the world over:

- **42” grey-iron table, precision-ground flat within .005” throughout its entire length.**
- **32” x 4½” fence rigidly supported at the cutter head.**
- **Grey-iron fence is precision-ground.**
- **One-piece, precision cutter-head-spindle machined from solid steel for perfect balance, smoother cutting.**
- **Cutter head raises, lowers for accurate, simultaneous blade height control.**
- **Rear table stationary for permanent, accurate alignment.**
- **Removable cutter head — blades may be sharpened without disturbing settings.**
- **Big sealed-for-life ball bearings.**
- **Cutter head completely guarded both front and rear of fence.**

The foundation of the superior performance of the ATLAS is the precision construction of its tables. After they are assembled to the base, the tables are ground simultaneously to align to within .005” throughout their entire 42” length. The rear table widens at the cutter head to 12” for ease in handling big boards. And front table widens 2” for a firm rabbeting support.

The rear table is stationary for extra rigidity and permanent alignment with the head — another feature that gives you greater accuracy and efficiency with an ATLAS. The front table travels ½” on carefully machined ways — large, convenient knob controls depth of cut, shown on easy-to-read scale, and a clamp lock anchors it in position.

The heavy construction of the tables and base keep vibration at a minimum for smooth, accurate finishes.

The cutter-head-spindle is one-piece — machined from solid steel, then precision-ground for perfect balance. 2½” in diameter, the head alone weighs 10 pounds — another reason why an ATLAS cuts more smoothly. Cutter blades are ground in sets and are identical in width to within .001”. And depth of cutter slots in head is machined to the same tolerance. With ATLAS you merely bottom the cutters in the head — no tedious shimming or adjustments necessary.

What’s more, cutter-head screw jacks on both sides of base permit quick, accurate positioning of cutter head and blades with rear table.

The cutter head can be quickly removed and blades resharpened while right in the cutter head. Only ATLAS has these two important features. And cutter-head-spindle runs on big sealed-for-life ball bearings that never need lubrication. The ATLAS cutter head, the heart of the jointer, is a precision cutting tool.
The famous ATLAS fence is a feature you'll appreciate every time you use the 6001. The first thing you'll notice is its size—it's a massive grey-iron casting 4½" x 32" long, precision-ground. Fence is rigidly supported at three widely separated points on a massive iron bracket that travels on the widened and extended portion of the rear table. Support is at the cutter head, right where it's needed.

Fence tilts 45° both ways—has positive adjustable stops for 45° positions, index plunger for quick, accurate vertical setting. Knurled knobs lock fence at desired angle—tilt rod is graduated at 90°, 15°, 30° and 45° positions. Rabbeting scale is graduated in 1/16ths. Fence slides smoothly on machined ways—one movement of the lock lever and it is anchored rigidly in place or released for quick positioning or removal. Rear table is 12" wide at the cutter head, and fence lock bracket swings out of way beneath table for ease in surfacing wide boards.

Note how slide bracket completely covers rear of cutter head. Blade guard on front table has spring mechanism that may be set to any desired tension or released for removing guard by merely turning control knob. Note, too, that bottom of fence is always on rear table regardless of angle of tilt—a safety feature that's important whenever you plane thin stock.

The ATLAS 6001 is a precision woodworking machine. Its completely new design is a step forward in woodworking machinery construction. See it at your ATLAS dealer's.

No. 6001 6" JOINTER with belt and motor pulley, less motor, 160 lb.

**SPECIFICATIONS**
- Cutting Capacity, Width: 6"
- Cutting Capacity, Depth: 1½"
- Rabbeting Capacity, Depth: 3/8"
- Table Surface Overall: 42" x 6-15/16"
- Fence Tilts 45° from vertical, both directions
- Fence: 32" x 4½"
- Cutter Head: 2½" diameter, 5/8" long
- Recommended Spindle Speed: 4100 RPM
- Motor Pulley, furnished: 3" dia., 5/8" bore
- Overall Dimensions, less motor: 42" x 16½" x 11½" high
- Base Dimensions: 20½" x 7½" x 7-9/16"
- Net Weight, less motor: 138 lb.
- Shipping Weight, less motor: 160 lb.

1/2 or 1/2 HP, 3450 RPM MOTOR is recommended—ATLAS No. 2752, 2751, 2851.

**STANDARD EQUIPMENT**
- Adjustable fence, cutter head guard, V-belt, motor pulley with 3/8" bore (dealer can supply bushing for 5/8" dia., motor shaft). Note: Pulleys are available for 1725 RPM motors; J6-50 for 3/4" shaft, J6-51 for 5/8".

**ACCESSORIES**

**STAND**
No. 9020 STAND. Bottom shelf positions for proper belt tensioning. Dust chute, furnished, keeps chips and shavings away from motor. 13" x 27" x 27" high. 43 lb.

**BELT GUARD**
Cast aluminum, Cover belt and pulleys as required by industrial and vocational safety codes. Easily mounted—bolts furnished, anchor guard in place.
No. 6110 BELT GUARD, for ATLAS 6" Jointer. 6 lb.

**CUTTER BLADES**
No. 6115 SET OF 3 MATCHED CUTTER BLADES. Tool steel, ground in sets. 11 oz.

**MOTOR CONTROL SWITCH**
No. 3225 MOTOR CONTROL SWITCH. A single phase, thermal overload, manual starter with twin break contacts of "Fine" silver. Complete with mounting bracket and motor cord. 2 lb.
No. 3226 Overload Heater Coil for above switch. Specify volt, cycle and amperage of motor with which switch will be used.
4" Ball Bearing JOINTER

When you build furniture and equipment for your home, you want to be proud of it... joints tight and square... surfaces flat and smooth. When a 30° bevel, a joint, or wood of a certain thickness is called for, you want them perfect — so you'll end up with an article that's strong and professional in appearance.

The new ATLAS-Workshop 4" jointer gives you quality work of this kind in your shop. It helps you make the kind of cabinets, tables, shelves, bookcases, chairs and other furniture you and your family would like to have — and does it fast, accurately and easily.

It planes wood to size in a matter of seconds. Gives your work a satiny-smooth finish that's practically impossible to duplicate by hand methods—with none of the "bumps" and "hollows" of hand planing.

And it takes all the drudgery out of planing, truing, rabbering, and beveling—cuts tongues and tenons, tapers and step moldings—performs all edging and surface operations—quickly, and with professional quality results.

Next to your table saw, there isn't another tool for your shop that you'll find more useful than the new ATLAS-Workshop 4" jointer.

No. 6050 4-inch JOINTER-PLANER complete as shown; less motor, V-belt and motor pulley. 58 lb.

No. 9021 STAND for No. 6050. Heavy gauge steel. Complete with dust chute. 16" x 16" top, height 27", 35 lb.

No. 2514 1/2 HP, 1725 RPM, Capacitor Ball Bearing MOTOR. 36 lb.

No. 2515 3/4 HP, 1725 RPM, Split Phase, Bronze Bearing MOTOR. (See page 51 for complete listing.) 25 lb.

Recommended Motor Pulley: 4" O.D.
Recommended Belt: 1/2" V-belt, 45" long.

No. 6151 SET OF 5 CUTTER BLADES. Same as furnished with No. 6050. High speed steel, 4" long. 5 oz.

SPECIFICATIONS
Cutting Capacity —

| Width | 4" |
| Rabbeting | 3/8" |
| Table, overall | 25" |
| Fence rails, both ways | 45° |
| Fence | 21" x 3" |
| Cutter Head (steel) | 2" dia. x 3 3/4" |
| Blades, high speed steel | 4" long |
| Bearings | Ball Bearing Ball Bearing Ball Bearing Ball Bearing |
| Overall | 25" x 10 1/2" x 8 1/2" |
| Base Dimensions | 5 5/8" x 12 7/8" |
| Recommended Motor | 1/2 or 3/4 HP, 1725 RPM |
| Recommended Motor Pulley | 3/4" O.D. for 1725 RPM motor, 2" O.D. for 3450 RPM motor |
| Shipping Weight, less motor | 58 lb.

Another 6050 exclusive! Entire cutter head removes easily. Blades can be resharpened without disturbing their setting. Saves all the time usually required to remove, sharpen and adjust individual blades.

Convenient control knob lowers front table for 0 to 3/16" depth of cut. Depth is shown on graduated scale. Rear table is stationary for greater accuracy and convenience.

Finest jointer fence ever made! An ATLAS-Workshop exclusive. Fence is supported at three points near cutter head, exactly where rigidity is essential. It measures 21" x 3"—lifts both ways, positions easily on accurately machined ways.
The No. 6050 jointer is completely new in design — with every feature engineered to give greater accuracy, convenience and efficiency in your work. Never before have so many exclusive features been offered in a low cost jointer . . . the ATLAS-Workshop is America's most advanced 4" jointer-planer.

The fence is a precision-ground grey-iron casting — 3" x 21" long. It's really solid. It's supported at three points close to the cutter head. Stays put when locked in place. Positions easily. And it's easy to remove for handling wide boards. There's no jointer fence that compares with this ATLAS-Workshop's for easy, accurate setup.

The cutter head can be quickly taken out and the blades sharpened while still in the head — unscrew two bolts and the cutter head pulls out quickly and easily. Cutter head and spindle are one piece — machined from a solid bar of fine grained steel, then precision ground to a perfect balance that makes your planing velvet smooth.

After sharpening, a screwjack mechanism raises or lowers the cutter head and blades for quick, accurate alignment with the rear table — get one blade lined up and you have them all! Much simpler than putting blades back into the cutter head one by one and lining them up individually as you have to do with ordinary cutter head construction.

The table is thick, rib-braced grey-iron — 25" long — finish ground after assembly — it's smooth, rugged, accurate support for your work. The infed table widens to 63/4" to give you a firm support for rabbeting, and the fence bracket provides extra support for surface wide boards when the fence is removed.

It's easier to do accurate work with the No. 6050 — the rear table is stationary. There's no adjusting the back table. It's anchored rigidly to the base, cannot shift to spoil your work or require time-consuming adjustment. This is one of the reasons, too, why you can get the blades back in position so quickly after sharpening. You are always working from a permanent, accurate position when you align the blades.

For extra safety, the blades are guarded on both sides of the fence. The front guard is easy to remove for planing wide boards. Rear guard is attached to the fence support bracket.

Cutter head spins on sealed-for-life ball bearings — they never need lubrication — another feature that assuages smooth cutting and long service.

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**No. 9350**

**4" JOINER WITH BRONZE BEARINGS**

Quality at Low Cost

A jointer removes rough surfaces in a matter of seconds. Leaves a board velvet-smooth and ready for use. Makes warped boards usable. Gives every job you turn out the tight-fitting joints that distinguish commercial and professional woodworking.

And planing lumber to size is just the beginning of a jointer's usefulness. It cuts perfect bevels — small ones for dressing up edges — large for enhancing the appearance and value of picture frames, trays, moldings. It cuts tapers and step moldings. Handles the rubber and tongue joints used in all fine furniture construction.

The ATLAS-Workshop 9350 is designed and built for quick, easy, accurate handling of all these operations — and it costs but a fraction of what you'd expect. It's a standout jointer value that will pay for itself on just two or two projects.

One of the first things you'll note as you examine the 9350 is the new table-base design. For greater accuracy, the rear table is cast integrally with the base. This feature assures a permanent, accurate position to work from when you align the blades. The rear table can never shift to spoil your work or require time-consuming adjustment.

The 9350 has a 21" long table — a thick, rib-braced grey-iron casting, finish ground after the jointer has been assembled. It's a smooth, rugged, accurate support for your work. The infed table makes 5/16" up and down on accurately machined ways to give the depth of cut you want.

The fence is a precision-ground grey-iron casting — 14" long — a rigid guide for accurate jointing. It tilts 45° both ways for angle and bevel cuts — positions quickly and easily — one control locks fence for both tilt and longitudinal positions. Fence is easy to remove for planing wide boards.

Spindle is a solid bar of precision-ground steel. Turns on automotive-type bronze bearings for smooth cutting and dependable service.

Examine the 9350 at your dealer's today. We know you'll agree there's no jointer that offers greater value for your shop.

No. 9350 4" JOINER, with fence and blade guard: Less motor, motor pulley and bolts, 34 lb.

No. 6151 SET OF 3 CUTTER BLADES for No. 9350 jointer. 4" long, ready-ground special steel, same as furnished with No. 9350 jointer. 5 oz.

No. 2515 1/2 HP, 1725 RPM, Split Phase, Bronze Bearing MOTOR. (See Page 31 for complete listings.) 25 lb.

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**SPECSIFICATIONS**

Cutting capacity 5/32" deep
Table surface 21 5/8" long
Recommended spindle speed 3000 RPM
Overall dimensions 23 7/8" long x 8 1/2" wide x 6 1/2" high
Recommended motor 1/4 or 1/5 HP, 1725 RPM
Recommended motor pulley 4" O.D.
Recommended Belt 1/2" wide x 36" O.C.
Shipping weight 30 lb.
BUILT FOR SMOOTH CUTTING AND LONG SERVICE

Whatever your bandsawing requirement—continuous production, or general custom work—properly engineered weight is a "must" for accurate, efficient sawing and long service life. The base, arm, and table of the ATLAS are heavy grey-iron castings braced and reinforced to minimize spring and vibration. These parts alone weigh 72 pounds! Table is anchored in base by two massive trunnions spaced 4½" apart—a rigid support for heavy work.

BALANCED WHEELS, BALL BEARINGS

Upper and lower saw wheels are carefully balanced for minimum vibration. They are crowned to keep blade centered, have replaceable rubber tires that protect the blade and prevent power loss. Each wheel turns on two sealed-for-life ball bearings. Upper wheel tilts for correct blade alignment, rides on clapper box casting attached to top of rugged slide bracket. Notched knob controls angle of tilt. Convenient handle raises and lowers wheel two inches for proper blade tension.

SIX GUIDES FOR ACCURATE BLADE ALIGNMENT

You always cut straight and true with an ATLAS. The blade is directed by four hardened blade guides—two above and two below the table. In addition, the blade is supported by large sealed ball bearings, one above and one below table. All guides adjust quickly and accurately to suit the width and gauge of blade.

LARGE PRECISION-GROUND TABLE TILTS 45°

Table measures a full 14" x 14". This large work support, plus 12" work support from blade to frame and 6½" from table to guide assure speed and ease in every type of cut in long, short, thick, thin, wide or narrow boards.

Every feature is provided for simple, efficient operation. Table top is accurately ground so work slides easily. Table tilts 45° to the right—has slot for mitre gauge. Trunnion is graduated to show angle of tilt. Knobbed wheel locks table rigidly at desired angle. Blade is thoroughly guarded—only the portion engaging the work is exposed. Wheel guards are quickly removed for changing blades.

The ATLAS is engineered and built to give you the utmost in accuracy and efficiency in every band saw operation in wood, metal, plastics, fibers and compositions. See this ATLAS band saw at your distributor's. Look it over—inside and out. Inspect the many quality features that have made it best among 12-inch band saws.

No. 912 12-inch BAND SAW with 1¼" blade, V-belt, saw pulley, motor pulley with 5/8" bore; less motor. 125 lb.

SPECIFICATIONS

Throat Capacity 12"  
Maximum Depth of Cut 6/16"  
Size of Table 14" x 14"  
Table Tilt 45° to right  
Blade Speed 640 RPM, 2052 FPM  
Blade Dimensions 85" x 0.020" x 1/4"  
Motor Pulley 2½" OD, 5/8" bore  
Overall, less motor 14" x 22½" x 35-9/16" high  
Base Dimensions 6¼" x 16"  
Shipping Weight, less motor 125 lb.  
1/2 or 3/4 HP, 1725 RPM motor is recommended—ATLAS Nos. 2730, 2720, 2831 or 2821. See page 31.
### BAND SAW ACCESSORIES

**BELT GUARD**
No. 812A-60X ALUMINUM BELT-AND-PULLEY GUARD for ATLAS 12" band saw. 3 lb.

**MITRE GAUGE**
No. 3228 MITRE GAUGE for No. 912 band saw. Graduated 60° left and right in 1° divisions. Locks securely at desired angle. Face 1¼" x 6". Fits ¾" x ¾" slot. 2½ lb.

**EXTENSION STOP RODS**
No. 3261 EXTENSION STOP ROD ASSEMBLY. For use with No. 3228 Mitre Gauge. Simplifies duplicate work. 10 cts.

**BAND SAW LAMP**
No. 1238 LAMP. Ball joint in head — positions any angle. Furnished with 15" flexible cable, 6 ft. rubber cord and plug, push-through switch, mounting bracket. 2 lb.

**BAND SAW FENCE**
No. 4601 FENCE ASSEMBLY for accurate ripping with No. 912 band saw. 17" long, heavy gauge steel. Guide bar easy to mount with clamps furnished — no holes to drill. 4 lb.

### SPEED REDUCER
No. 4602 SPEED REDUCER. Converts No. 912 into a two-speed machine for the efficient cutting of ferrous and non-ferrous metals. Attachment is driven by V-belt from motor, and power is transferred to saw drive spindle through two sets of heat-treated sprocket wheels and roller chains. Two blade speeds — 100 and 250 fpm. Sealed-for-life ball bearings, easy to install. Fitted with heavy-duty upper wheel tension spring, hardened blade guides, ball bearing blade support wheels, two step motor pulley, motor switch and clips. 28 lb.

### BAND SAW BLADES
ATLAS blades are tough, chrome-manganese — expertly set and sharpened for fast cutting, longer life. Cut all woods, plastics, cork, wallboard, 83" long. 5½ oz. each.

#### METAL CUTTING BLADES

<table>
<thead>
<tr>
<th>No.</th>
<th>Width</th>
<th>Length</th>
<th>Teeth per inch</th>
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<tr>
<td>4651</td>
<td>½&quot;</td>
<td>83&quot;</td>
<td>18</td>
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<tr>
<td>4652</td>
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<td>83&quot;</td>
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#### STANDARD BLADES

<table>
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<tr>
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<tbody>
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<tr>
<td>4614</td>
<td>½&quot;</td>
<td>5</td>
<td>1½&quot;</td>
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</table>

#### SKIP TOOTH BLADES

<table>
<thead>
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<tr>
<td>4623</td>
<td>½&quot;</td>
<td>6</td>
<td>1½&quot;</td>
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</tbody>
</table>

### 10" BAND SAW

Here's a real value! From its heavy grey-iron base and frame to its precisely engineered blade support mechanism — inside and out — the 9360 is engineered and built to give you the finest in band saw design and construction at low cost.

Table, base and frame of the 9360 are grey-iron for maximum rigidity. Table is anchored to base by a large trunnion. Upper and lower saw wheels run in heavy-duty automotive-type bronze bearings. It's rugged — built for long, accurate service.

Blade wheels are cast aluminum, crowned to keep blades centered. Replaceable rubber tires prevent power loss, protect blade. Upper wheel tilts for correct blade alignment, raises and lowers for proper tension. Controls are convenient, quick-acting.

Blade is supported by two hardened metal rollers, and four Oillite bronze guides direct the blade and keep it running true. Handles stock up to ¾" thick. Cuts to center of 20" circle. 10"x10" table is precision-ground — tilts to 45°, with angle shown on large graduated trunnion.

½" blade, furnished, saws all woods, plastics, cork, cardboard and wallboard.

No. 9360 10" BAND SAW, with ½" blade and machine pulleys; free motor and motor pulley. 60 lb.

No. 2515 1/2 HP, 1725 RPM, Split Phase, Bronze Bearing MOTOR. 115V, 60C, AC, 23 lb.
Motor Pulley Recommended: 25½" O.D. Motor Belt Recommended: ½" V-belt, 50" long.

### BAND SAW BLADES, 70½" Long

**Minimum**

<table>
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<th>No.</th>
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<tbody>
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**Minimum**

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<th>Width</th>
<th>Radius Cut</th>
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</thead>
<tbody>
<tr>
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<td>⅜&quot;</td>
</tr>
<tr>
<td>9364</td>
<td>¾&quot;</td>
<td>⅜&quot;</td>
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</tbody>
</table>

Cuts stock a full 3½" thick.
Illustrated with Guard and Motor, extra

The secret of its smooth operation is the precision balance of its exclusive new drive mechanism.

The ATLAS has fewer moving parts than other saws — and the weight of each part is accurately balanced in relation to the weight of every other part. Careful selection of materials for resistance to wear, plus complete lubrication at each down stroke, means longer service life and smoother cutting than you've ever experienced in any jigsaw.

The solid steel drive shaft is precision ground for perfect balance, spins on two large ball bearings — a smooth flow of power to the lower operating shaft thru a balanced crank and connecting rod. Crank is hardened oil-impregnated iron, and connecting rod is durable heavy-duty Super Odile — both are highly resistant to wear.

The ATLAS is a 3½ ground tubular steel, guided and supported by two widely spaced Odile bronze bearings.

Its unmatched smoothness alone recommends the new ATLAS for your shop. But it has many more important features including new universal chucks, massive 14" x 14" table with new widely spaced trunnions, new powerful air blower, and the famous ATLAS blade supports. Read about all of them, then see the new ATLAS at your dealer's.

The base and overarm of the 4002 are massive grey-iron castings that further contribute to smooth operation — the first essential to work accuracy and finish. Overarm is bolted and dowelled to base — may be quickly removed to permit sawing large panels. Crank case is cast integrally with base for maximum rigidity.

Table is a massive foundation for heavy stock — a 14" x 14" grey-iron casting, precision ground for smooth feeding. Table is supported by two large trunnions spaced 6½" apart — tilts 45° to right, 15° to left — swivels 90° to handle angular cutting of long stock.

The exclusive new chucks (patents pending) are unusually versatile and easy to use. Lower chuck holds all blades and sabers up to 2½" (9/32") wide, and files and accessories up to 3/4" diameter shank without adapters. When you want to cut long stock from side of saw, you merely insert blade in 90° slot of lower chuck and index upper chuck — saves valuable time.

Upper chuck, operating shaft, and non-fatiguing steel return spring are carefully engineered to keep blade breakage to a minimum. Chuck has chamfered jaws that take blades up to 1½" (9/64") wide — Allen set screw anchors blade in place. Chuck indexes 90°. Upper operating shaft is chrome plated brass tubing, held in rigid alignment with lower shaft by extra-long oil impregnated bronze bearing. Blade tension is quickly and easily adjusted by merely raising or lowering the return spring housing — a convenient knob locks housing in position thru a coordinate type clamp.

No. 4152 chuck assembly, listed on page 17, is available for jobs requiring blades wider than 1½" (9/64") and for those jobs in which files and accessories must be held in both lower and upper chucks.

Adjustable bracket on sliding bar holds spring steel hold-downs, blade guide, blade support roller, and blow-out nozzle in proper relation to work. Entire assembly is easily positioned for supporting blade when cutting long stock from side of saw. Hold-down is effective on both straight and bevel cuts. Adjustable blade guide bar handles blades of any width or thickness. Blade support roller is hardened ground steel — spins freely with blade, greatly prolonging blade life — positions in and out to handle any size blade. New, efficient air pump, powered by double-acting cam driven off spindle, keeps layout lines free of sawdust, cools blades in metal cutting operations.

The four speeds — 570, 860, 1220 and 1660 — provide the correct speeds for all jigsaw operations in woods and plastics — such metals as iron, steel, brass, copper, pewter and aluminum in either sheet or tubing — ivory, bone, fibre and a wide variety of compositions.

No. 4002 24-inch BALL BEARING JIG SAW with belt, and four-step motor pulley: less belt guard and motor 140 lb.
No. 2515 ½ HP, 1725 RPM, Split Phase, SLEEVE BEARING MOTOR. 115V, 60C, AC. Cord and plug furnished. 25 lb.
No. 2520 ½ HP, 1725 RPM, Single Phase, Capacitor Start. 115/230V, 60C, BALL BEARING MOTOR. Does not have switch, cord or plug. 44 lb.
No. 9219 Toggle Switch with cord for single phase motors. Easily installed in ready drilled hole in right side of jigsaw base. 5/8 lb.
No. 2710 10 ft. Extension Cord and Plug for No. 2730 motor. 1/8 lb.
No. 4150 BELT GUARD for ATLAS 24" Jig Saw. Aluminum, covers belt and pullers. Mounting bracket, furnished, bolts to saw base. Guard is hinged for easy access to belt and pullers. 8½ lb.
SPECIFICATIONS

Throat Capacity .................................................. 24"
Max. Depth of Cut .............................................. 23/4"
Speeds, C.S.M.................................................. 370, 860, 1220 and 1600
Length of Stroke ................................................ 1"
Table Tilts ...................................................... 15° to Left, 45° to Right, Swivels 90°
Size of Table .................................................. 14" x 14"
Table Height ..................................................... 12"
Base Dimensions ................................................... 35¾" x 6"
Overall Dimensions ............................................. 14" wide x 25½" high x 36½" long
Blade Lengths ..................................................... 6" or less
Net Weight, less Motor and Guard ..................... 104 lb.
Shipping Weight, less Motor and Guard .............. 130 lb.
1½ HP, 1725 RPM motor is recommended—ATLAS No. 2750 or 2513.
Note: Motor pulley furnished is matched with machine pulley. Always use ATLAS pulleys.

ACCESSORIES

JIG SAW STAND

No. 9014 STAND for No. 4002 Jig Saw. Heavy gauge steel. Ready drilled, 8" x 36" x 32" high: 35 lb.

SPECIAL UPPER CHUCK AND SHAFT ASSEMBLY

No. 4152 SPECIAL UPPER CHUCK AND SHAFT ASSEMBLY, required for use with blades wider than .1906" (.064") and for those operations where it's desirable to hold files and other accessories in both upper and lower chucks—not recommended for use in holding smaller blades. Chuck is identical to lower chuck furnished with saw, holds all blades and sabers up to .2812" (.0352") wide, accessories up to ¾" diameter shank. Easy to install, interchanges with chuck and shaft assembly furnished with machine, 1 lb.

LAMP

No. 4121 JIG SAW LAMP. 15" flexible cable and ball joint in head permit illuminating work as operator desires. Push-through switch, 6 ft. rubber cord, mounting bracket and bolts furnished. 3 lb.

SABER BLADE SUPPORT

No. 4151 SABER BLADE SUPPORT for ATLAS 4002 Jig Saw. Fits ready drilled hole in trunnion support bracket, set screw locks it in position. Blade support slides in and out to accommodate various blade widths. 6 oz.

The ATLAS 4002 is a rugged, smooth cutting, high capacity machine—ideal for furniture, pattern, toy, sign, metalworking, plastics specialties, printing, engraving, school or home shop.

Blade guides and blade support roller position quickly for proper support of every size blade.

Lower chuck holds all blades and sabers up to 9/32" wide, files up to 1/2" shank. To cut from side, insert blade in 90° slot.

JIG SAW BLADES

6" Jig Saw Blades

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Thick.</th>
<th>Width</th>
<th>Teeth Per Inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>4096</td>
<td>Not for metal</td>
<td>.008</td>
<td>.035</td>
<td>20</td>
</tr>
<tr>
<td>4097</td>
<td>For wood, plastics</td>
<td>.010</td>
<td>.045</td>
<td>18</td>
</tr>
<tr>
<td>4098</td>
<td>For hard rubber, ivory, celluloid</td>
<td>.020</td>
<td>.070</td>
<td>12</td>
</tr>
<tr>
<td>4099</td>
<td>For bone, pearl, leather, metal, shells, metal</td>
<td>.047</td>
<td>.047</td>
<td>20</td>
</tr>
<tr>
<td>4100</td>
<td>For all</td>
<td>.020</td>
<td>.070</td>
<td>15</td>
</tr>
<tr>
<td>4101</td>
<td>Ferrous and non-ferrous</td>
<td>.020</td>
<td>.110</td>
<td>13</td>
</tr>
<tr>
<td>4102</td>
<td>Non-ferrous</td>
<td>.020</td>
<td>.110</td>
<td>13</td>
</tr>
<tr>
<td>4103</td>
<td>Woods</td>
<td>.020</td>
<td>.070</td>
<td>12</td>
</tr>
<tr>
<td>4104</td>
<td>Woods</td>
<td>.020</td>
<td>.085</td>
<td>15</td>
</tr>
</tbody>
</table>

Weight 2 oz. per dozen

3 1/2" SABER BLADES

Six blades per package.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Thick.</th>
<th>Width</th>
<th>Teeth Per Inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>4126</td>
<td>Wood</td>
<td>.028</td>
<td>.187</td>
<td>10</td>
</tr>
<tr>
<td>4127</td>
<td>Steel</td>
<td>.028</td>
<td>.250</td>
<td></td>
</tr>
</tbody>
</table>

Weight 5 oz. per set.

No. 4100 SET OF 12 BLADES, includes one of each blade listed above. 2 oz.

You can DO so much MORE so much BETTER with ATLAS
The overarm swing out of the way for saber cutting large boards and panels! Takes but seconds - and you can swing it back just as quickly for regular sawing. Ends the tedious hard work formerly required to prepare a jig saw for handling big stock. No other jig saw has it!

The exclusive new chucks (patent pending) are completely universal. Hold all blades and sabers up to 9/32" wide, and files and accessories up to 1/4" diameter shank. No adapters or extra chucks to buy — no special setups to fiddle with.

And when you want to cut long stock from the side of the 4011, you merely insert the blade in the 90° chuck slot! It's as simple as that — ends the struggle of resetting chucks.

Other standout features include balanced automotive-type drive, big precision-ground table, and efficient blade guides and work hold-down. Read the complete details and see the new ATLAS-Workshop soon.

No. 4011 18-inch JIG SAW, complete as shown, less belt, belt guard, motor pulley and motor, 48 lb.
No. 9022 STAND for No. 4011 Jig Saw. Heavy gauge steel. 16" x 16" x 52" high. 32 lb.
No. 2515 1/2 HP, 1725 RPM, Split Phase, Bronze Bearing MOTOR. 115V. 60C. AC. 11 lb.
Motor Pulley Recommended: 2 1/2" O.D.
Motor Belt Recommended: 3/4" V-belt, 45° long.

CONSTRUCTION

Talk about smooth running! The 4011 has a precision-balanced automotive-type drive that will give you a lifetime of dependable service. Both drive shaft and lower operating shaft are ground steel — turn on wide-spaced Ollite bronze bearings. Connecting rod is durable Super Ollite. Every part of the drive mechanism is splash lubricated at each down stroke.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Throat Capacity</td>
<td>18&quot;</td>
</tr>
<tr>
<td>Maximum Depth of Cut</td>
<td>2&quot;</td>
</tr>
<tr>
<td>Size of Table</td>
<td>11&quot; x 11&quot;</td>
</tr>
<tr>
<td>Strokes per Minute</td>
<td>1080</td>
</tr>
<tr>
<td>Motor Pulley RPM</td>
<td>1725</td>
</tr>
<tr>
<td>Blade Length</td>
<td>5&quot;</td>
</tr>
<tr>
<td>Overall Dimensions, less motor</td>
<td>11&quot; wide x 26 3/4&quot; long x 18 3/4&quot; high</td>
</tr>
<tr>
<td>Base Dimensions</td>
<td>4 3/4&quot; x 8 3/4&quot;</td>
</tr>
<tr>
<td>Motor Recommended</td>
<td>1/4 or 1/2 HP, 1725 RPM</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>48 lb.</td>
</tr>
<tr>
<td>Table Tilts</td>
<td>0° to 45°</td>
</tr>
</tbody>
</table>

A jig saw equips you for handling all inside cutting on furniture, valences and other equipment projects.
The blade-support guide handles blades of any width or thickness. It spins with the blade, greatly prolonging blade life—a feature usually found only in far more costly saws. An adjustable support is furnished for use with saber blades. The work hold-down is effective on both straight and bevel cuts, adjusts for work up to 2" thick. The entire assembly is easily positioned for use in cutting long stock from side of saw. Powerful air blower in head keeps layout lines free of sawdust.

The table is a thick 11" x 11" rib-braced grey-iron casting. It tilts to 45° on two widely spaced trunnions—locks securely at the angle you want, as indicated on a graduated scale. And your work always slides smoothly into the blade—the working surface is ground. The table of the ATLAS-Workshop is a big, rugged, precision support for accurate sawing.

The thick tubular steel overarm assures the rigidity necessary for smooth sawing. For saber cutting you merely remove the locating pin, loosen the coordinate lock, swing the arm down out of the way and you're ready to saw big panels! Repositioning the arm is just as easy—the tapered steel pin ensures quick, accurate vertical setting.

The new chucks are made of steel for lifetime service, and are really a pleasure to use. The jaws are chamfered for easy blade insertion. Have blade stops for instant centering of blades and sabers. Wrench furnished tightens the large lock screws on jaws, or on files or accessories. And the wrench is always handy—there's a compartment that holds it in overarm.

5" JIG SAW BLADES for No. 4011

<table>
<thead>
<tr>
<th>No.</th>
<th>Teeth Per Pkg.</th>
<th>Use</th>
<th>Thickness</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>4131</td>
<td>12</td>
<td>For wood, plasctic</td>
<td>.009</td>
<td>.035</td>
</tr>
<tr>
<td>4132</td>
<td>12</td>
<td>Not hard rubber, ivory</td>
<td>.010</td>
<td>.045</td>
</tr>
<tr>
<td>4133</td>
<td>12</td>
<td>For celluloid</td>
<td>.020</td>
<td>.110</td>
</tr>
<tr>
<td>4134</td>
<td>12</td>
<td>For bone, pearl, leather, mix, shells, metals</td>
<td>.016</td>
<td>.054</td>
</tr>
<tr>
<td>4135</td>
<td>12</td>
<td>For all over 1/8&quot; thick</td>
<td>.020</td>
<td>.070</td>
</tr>
<tr>
<td>4136</td>
<td>12</td>
<td>Non-ferrous over 1/8&quot; thick</td>
<td>.020</td>
<td>.110</td>
</tr>
<tr>
<td>4137</td>
<td>12</td>
<td>Metals and over 5/64&quot; thick</td>
<td>.020</td>
<td>.070</td>
</tr>
<tr>
<td>4138</td>
<td>12</td>
<td>Woods over 1/8&quot; thick</td>
<td>.020</td>
<td>.085</td>
</tr>
</tbody>
</table>

Weight 2 oz. per dozen.

41/2" SABER BLADES for No. 4011

<table>
<thead>
<tr>
<th>No.</th>
<th>Teeth Per Pkg.</th>
<th>Use</th>
<th>Thickness</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>4145</td>
<td>6</td>
<td>Wood or All Saber Sawing</td>
<td>.028</td>
<td>.107</td>
</tr>
<tr>
<td>4146</td>
<td>6</td>
<td>Metal</td>
<td>.028</td>
<td>.290</td>
</tr>
</tbody>
</table>

Weight 3 oz. per 6.

No. 4130 SET OF 12 BLADES, includes one each of blades listed above. 2 oz.

BELT GUARD


Often thought of merely as a tool for cutting puzzles, a good jigsaw like the ATLAS-Workshop 9440 can actually turn out hundreds of useful and creative articles—from toys to fine furniture and valuable works of art. It's fast, easy, easy-to-use—a power tool the entire family will want to operate—children enjoy and take pride in the articles they can quickly make on a jigsaw.

It easily handles the inside and outside cutting on such projects as decorative shelves, brackets, toys, lawn ornaments, weather vanes, jewelry, gifts and novelties. It equips you for marquetry—the fascinating hobby of making pictures with colored woods. Handles inlaying. And making cutout letters and display material can provide you with a source of additional income. The ATLAS-Workshop makes quick, accurate work of all these projects. It's packed with features usually found only in saws costing much more—and priced well within a family's budget.

The 9440 is engineered for smooth blade action. The base is a thick rib-braced grey-iron casting—a massive rugged foundation. The arm is a thick steel tube—an exclusive feature that gives you greater rigidity with an ATLAS-Workshop. It's smooth running—with automotive-type bearings, ground steel spindle and splash lubrication to assure long accurate service. You'll like its big capacity—it cuts to the center of a 3/16" circle, takes stock up to 2 1/2" thick, has a 9" x 9" precision-ground grey-iron table. Table tilts to 45° for cutting angles and bevels. Air stream from head keeps layout lines free of sawdust. 5-1/8"-type blades are easy to change. This combination blade guide and work hold-down.

You have to see this exceptional jig saw value to appreciate it. Visit your ATLAS-Workshop dealer soon.

No. 0560 11" JIG SAW, with assortment of 5 blades and machine pulley: less motor, motor pulley and belt. 28 lb.

No. 2515 3/4 HP, 1725 RPM, Split Phase, Bronze Bearing MOTOR, 115V 60C. AC. See page 35. 23 lb.

Motor Pulley Recommended: 2 1/2" O.D.

Motor Belt Recommended: 3/8" V-belt. 56" long.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Throat capacity</th>
<th>13&quot; up to 2&quot; depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum depth of cut</td>
<td>2 1/2&quot;</td>
</tr>
<tr>
<td>Overall dimensions</td>
<td>17 1/4&quot; high x 9&quot; x 19 1/2&quot;</td>
</tr>
<tr>
<td>Blade length</td>
<td>6&quot; (pin-type)</td>
</tr>
<tr>
<td>Motor recommended</td>
<td>3/4 or 1/2 HP, 1725 RPM</td>
</tr>
<tr>
<td>Shipping weight</td>
<td>28 lb.</td>
</tr>
</tbody>
</table>
A Multi-purpose, Heavy Duty, Combination Machine
For Accurate Finishing of Woods, Metals, Plastics

The 5010 is the only sander that equips you to finish work of practically any form, shape or size — flat surfaces, curves, angles, double angles, edges, irregular shapes — in metals and plastics as well as woods. The illustrations below merely suggest the endless variety of jobs this one multi-purpose machine will equip you to handle. And it is precision built to produce a more accurate finish than is possible to get by any other method or machine.

Careful machining of every part gives accuracy for the finest work. Heavy iron castings provide the rigidity essential to smooth finishes. Belt sander table has bearing-bore slots that keep underside of belt clean, maintaining a perfect working surface. Disc and pulleys are balanced — spindles are ground — spindles turn on four sealed-for-life ball bearings — for smooth operation and life-time service under every operating condition. Production of intermittent.

And the 5010 is easy to use — it can be quickly set up for any operation. The disc table tilts 45 degrees — may be locked securely at any angle shown on graduated scale. Table unit may be used on either the belt or disc sander. Belt sander operates in both horizontal and vertical positions — belt guard and stop are removable for sanding curved pieces on either drum. Sanding disc and guard are easily removable for handling wide boards on belt. Belt tension drum rides on a clapper box casting attached to a rugged slide bracket — belt tension and alignment are easily adjusted with the knob controls. Belt can be changed quickly.

No. 5010 BELT and DISC SANDER, with V-belt and 3/8” diameter bore motor pulley, medium garnet belt and disc. less motor. 7 1/2 lb.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disc Size</td>
<td>.10” dia.</td>
</tr>
<tr>
<td>Sanding Belt Size</td>
<td>57/8” x 4” wide</td>
</tr>
<tr>
<td>Table</td>
<td>.77/8” x 15”</td>
</tr>
<tr>
<td>Belt Support Table</td>
<td>.41/8” x 117/8”</td>
</tr>
<tr>
<td>Belt Drums</td>
<td>31/4” dia. rubber faced driver, 3” dia. tension drum, both 4” long</td>
</tr>
<tr>
<td>Distance between Centers of Belt Drums</td>
<td>14”</td>
</tr>
<tr>
<td>Spindle Speed</td>
<td>1360 RPM</td>
</tr>
<tr>
<td>Belt Speed</td>
<td>1150 FPM</td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>281/4” x 201/2” x 12” high</td>
</tr>
<tr>
<td>Base Mounting Dimensions</td>
<td>9” x 141/8”</td>
</tr>
<tr>
<td>Shipping Weight, less motor</td>
<td>73 lb</td>
</tr>
<tr>
<td>1/2 or 1/2 HP 1725 RPM motor is recommended — ATLAS Nos. 2750, 2720, 2031 or 2021. See Page 51.</td>
<td></td>
</tr>
</tbody>
</table>

Table tilt 45° for angle and double angle sanding.

Disc and guard are easily removed for sanding wide boards on belt.

Belt guards are removable for sanding curves on either drum.

Stop fence makes easy work of sanding small pieces on belt.
SANDING BELT FENCE

No. 6101 SANDING BELT FENCE. For accurate edging operations on belt. Face precision ground. Fence positions up, down, in, out—tilts 45° both ways. Angle is shown on graduated segment. 6 lb.

MITRE GAUGE

No. 3227 MITRE GAUGE. For accuracy in edging operations on disc and in belt operations where work is supported on table—essential for duplicate work. Graduated 60° left and right. Fits 1½ x 1½ slot. 1 lb.

EXTRA SANDING DISC

No. 5110 SANDING DISC. Having a disc for each abrasive used saves time, money. Balanced aluminum casting, face accurately machined, 2 lb.

ABRASIVE SHEETS FOR DISC

Available only in packages of 6 sheets as listed below

<table>
<thead>
<tr>
<th>No.</th>
<th>Fine Garnet #3/0-120</th>
<th>Medium Garnet #1/0-80</th>
<th>Coarse Garnet #1-1/2-40</th>
<th>Coarse Alumoxide #1-1/2-40</th>
<th>Fine Alumoxide (for metal) #1/0-80</th>
<th>Medium Alumoxide (for metal) #1-1/2-60</th>
<th>Weight 2 lb. per pkg. of six</th>
</tr>
</thead>
<tbody>
<tr>
<td>5101</td>
<td>set of six</td>
<td>set of six</td>
<td>set of six</td>
<td>set of six</td>
<td>set of six</td>
<td>set of six</td>
<td>1 lb. each</td>
</tr>
<tr>
<td>5102</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

No. 9102 DISC ADHESIVE, 1 pt. can. One adhesive coat to disc is sufficient for several sheet changes. Not mailable. 1½ lb.

ABRASIVE BELTS

<table>
<thead>
<tr>
<th>No.</th>
<th>Fine Garnet #3/0-120</th>
<th>Medium Garnet #1/0-80</th>
<th>Coarse Garnet #1-1/2-40</th>
<th>Coarse Alumoxide (for metal) #1-1/2-40</th>
<th>Medium Alumoxide (for metal) #1-1/2-60</th>
<th>Fine Alumoxide (for metal) #1/0-120</th>
<th>Weight 10 oz. each</th>
</tr>
</thead>
<tbody>
<tr>
<td>5105</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 lb. each</td>
</tr>
<tr>
<td>5106</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 lb. each</td>
</tr>
<tr>
<td>5107</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 lb. each</td>
</tr>
<tr>
<td>5108</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 lb. each</td>
</tr>
<tr>
<td>5111</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 lb. each</td>
</tr>
<tr>
<td>5112</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 lb. each</td>
</tr>
<tr>
<td>5114</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 lb. each</td>
</tr>
</tbody>
</table>

In just a jiffy you can easily sharpen almost any tool—bit, cutter, chisel, scissors, cutlery or garden implement...and hone to the keenest possible cutting edge...with this unique new ATLAS Grinder-Hone. And, with low cost attachments, you can clean, polish, sand or buff.

6" grinding wheel is medium grit aluminum oxide for all-around grinding efficiency. Reversible oilstone is 5-inch diameter, sandwich type, with grits of 120 for wheeling and 320 for final honing. Tool rests are adjustable. Gears and ground steel spindles run in bath of oil for lifetime service.

No. 2400. ATLAS GRINDER-HONE, with grinding wheel and oilstone, less motor, motor pulley and belt, 21 lb.

SPECIFICATIONS

Grindstone speed 3000 RPM
Oilstone speed 110 RPM
Grindstone grit 60-80
Oilstone grit 140, 320
Grindstone spindle bearings, 2
Oilstone spindle bearing, 1
Dimensions, overall 8" x 10½" x 9" deep

Weight 21 lb.
Motor pulley recommended 1-1/2 HP
Motor recommended 5 3/4 x 3/4 HP.

ACCESSORIES

No. 2403 ADAPTER for fastening the ATLAS shown nearly and accurate, and buffing wheels to Grinder spindle. Complete with nut, washer and wrench, 2 lb.

No. W-6A DRUM SANDER—2-3/4" dia., 3 long, Abrasive sleeves, listed below, are easily changed. Complete with one medium garnet abrasive sleeve, 2 lb.

No. W-2A Six ALOXITE abrasive sleeves for metal, 6 ea.

No. W-2C Six COARSE GARNET abrasive sleeves, 6 pc.

No. W-3F Six FINE GARNET abrasive sleeves, 4 oz.

No. W-2M Six MEDIUM GARNET abrasive sleeves, 4 oz.

(All abrasive sleeves furnished in Packages of 6)

No. 2401 GRINDING WHEEL. Same as furnished with Grinder-Hone, 3 lb.

No. 2402 OLSTONE WHEEL. Same as furnished with Grinder-Hone, 2 lb.

Sands plastics and metals as well as wood.
Table may be used with either disc or belt sanders.
A Practical, Versatile Machine for Every Woodworking Shop

The wide variety of work that can be handled quickly, easily and accurately on an ATLAS 3500 makes it one of the most practical of woodworking tools. It performs all shaping operations—ranging from planing, tonguing, grooving, tenoning, jointing, rabbing, squaring turnings, panel raising, cope cutting, sticking, doweling, beading and drop-leaf hinging—that enhance the "professional" appearance and value of every job from furniture to cabinetry and screen and screen each work. The ATLAS is a large capacity shaper, ruggedly built for greater accuracy and efficiency in the full range of operations.

Outstanding features include: extra heavy cast iron table and base that keep vibration at a minimum; 15" x 15" precision-ground table with two-inch vertical travel; fixed spindle design for smooth cutting; large, sealed-for-life ball bearings that assure long accurate service; heavy fence with 1/4" adjustment—right side moves 1/2" for planing operations; conveniently located vise for quick accurate setups; attached motor mounting bracket that makes the ATLAS a compact unit.

No. 3500 BALL BEARING SPINDLE SHAPER complete as shown, with motor mounting bracket, belt guard, belt and 3/4" diameter bore motor pulley, less motor. 105 lb.

SPECIFICATIONS

Cutter Capacity (Hght.) .......................... 1 1/2"
Spindle Diameter—Turned to 1/2" for cutters .......................... 1/2"
Table Travel ........................................ 2"
Table Dimensions .................................. 21" x 15"
Mitre Gauge Slot .................................. 3/4" wide x 3/8" deep
Right Fence Face adjustable up to .............. 1/2"
Recommended Spindle Speed .................. 8270 RPM
Motor Pulley furnished .......................... 4" dia., 3/8" bore
Overall, less motor ................................ 26" long x 15 1/2" wide x 18 1/2"
Base Dimensions ................................. 10 3/4" x 9 1/2"
Shipping weight, less motor ..................... 114 lb.
Motor Recommended .......................... 1/2 or 3/4 H.P., 3450 RPM.

See Atlas No. 2752, Page 31
3-WING CUTTERS and ACCESSORIES for DRILL PRESSES, SHAPERS

By combining ATLAS cutters shown below, almost any shape or contour may be formed. Each cutter is 1-11/16" in diameter — has 1/2" hole. Cutters can be easily resharpened by grinding across the face of the cutting edges — fit on shaper spindle. Adapt to drill spindle with No. W6-6A adapter.

No. 3620 SET OF 11 SHAPING CUTTERS, one each of the 11 cutters shown directly below. 11/2 lb.

SHAPING BLADES and ACCESSORIES for CIRCULAR SAWS, DRILL PRESSES and SHAPERS

Blades are 1/4" thick — precision machined for smooth cutting and sharp clean detail. Expecially case hardened for long service. Ample clearance on sides and cutting edge prevents drag and burning — the wood is cut, not chopped or scraped.

No. 3320 1/2" Blank Cutters. Pr. 3 oz.
No. 3321 1/4" Blank Cutters. Pr. 3 oz.
No. 3322 1/8" Blank Cutters. Pr. 3 oz.
No. 3324 Joint and 1/4" Rad. Cover Cutters. Pr. 3 oz.
No. 3325 1/4" Rad. Bead and 45° Rad. Cover Cutters. Pr. 3 oz.
No. 3326 1/4" Rad. Bead and 1/2" Rad. Cover Cutters. Pr. 3 oz.
No. 3327 1/4" Rad. "O.G." and 1/4" Rad. Cove Cutters. Pr. 5 oz.
No. 3330 Glue Joint Cutters. Pr. 5 oz.
No. 3331 1/8" Rad. Flute and 1/8" Rad. Cove Cutters. Pr. 5 oz.
No. 3332 1/8" Rad. Bead Mould Cutters. Pr. 3 oz.
No. 3333 45° Round Mould Cutters. Pr. 3 oz.
No. 3334 1/4" Rad. Flute Cutters. Pr. 2 oz.
No. 3335 3/16" Rad. Half Round, Bead and Cove Cutters. Pr. 5 oz.
No. 3336 Tongue Cutters. Pr. 5 oz.
No. 3337 Groove Cutters. Pr. 5 oz.
No. 3338 Door Lip Cutters. Pr. 5 oz.

DEPTH COLLARS


SASH AND DOOR CUTTER

For quick, accurate handling of door, window, and screen and screen work. Only one cutter is required for jointing the work — it shapes both stiles and rails. Has 1/2"-24 threaded hole — threads directly on shaper spindle or on W6-6A adapter for drill presses.

No. 3675 SASH AND DOOR CUTTER AND SET OF FOUR SPACERS. 4 1/2 oz.

MACHINE STAND

No. 9921 MACHINE STAND for spindle shaper. Heavy gauge steel. Top ready drilled for bolting machine in place. 16" x 16" top. Hgt. 27". 35 lb.

REVERSING SWITCH

No. 3813 REVERSING SWITCH for shaping operations that require reversing the spindle. A 1-HP switch for voltage up to 250 AC — switch cord and installation diagram furnished. 1 1/2 lb.

MACHINE STAND

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MACHINE STAND

No. 9921 MACHINE STAND for spindle shaper. Heavy gauge steel. Top ready drilled for bolting machine in place. 16" x 16" top. Hgt. 27". 35 lb.
The 7122 is a heavy-duty lathe built for professional workmanship and efficiency in the complete range of turning operations in wood — inboard and outboard. And with attachments it turns plastics, alabaster, and spins and turns light metals.

The first thing you'll notice about the ATLAS is how easily you can set it for handling any job. To position tailstock, you merely release the handy lock-lever, slide tailstock where you want it, and re-lock. The tool support works the same way. One movement of the lever loosens or tightens it to the bed. No wrenches required.

Other convenience features you'll appreciate are the 60 hole indexing mechanism that makes quick work of layout and index operations — the broad 12" tool rest — a tailstock ram graduated 2" by 16ths, with a quick-lever lock and self-ejecting center — the hollow spindle for chucking long rods, arrows, and dowels — and headstock spindle threaded at both ends for outboard and inboard turning. And you'll appreciate the construction that gives you smooth performance under every operating condition, and on every job, light or heavy.

The bed is a heavy semi-steel iron casting, cross braced and ribbed — an extremely rugged foundation for dependable accuracy. Wide thick ways are cast integrally with bed and are carefully machined for positive alignment of headstock and tailstock.

The cast-iron headstock is a rigid support for the spindle assembly. Its extra weight and scientific bracing add to the ruggedness and smooth operation of the ATLAS. Top is hinged to make belt changing easy. Bottom and back are open — motor may be mounted either beneath or in back of lathe.

Headstock spindle is turned from a solid bar of tough, fine grained steel, accurately ground — a perfect surface for the widely spaced sealed-for-life ball bearings on which it spins. These fine bearings take all radial and thrust loads, and are preloaded at the factory to eliminate spindle play, and shimmed for take-up.

Balanced 4-step pulley provides 4 operating speeds — 635, 1230, 2450, and 4680 RPM. Speed chart gives belt positions.

Tailstock is an extra heavy work support, carefully machined to maintain accurate alignment with the headstock.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing over Bed</td>
<td>12&quot;</td>
</tr>
<tr>
<td>Capacity between Centers</td>
<td>36&quot;</td>
</tr>
<tr>
<td>Length of Bed</td>
<td>53&quot;</td>
</tr>
<tr>
<td>Spindle Speeds</td>
<td>635, 1230, 2450, 4680 RPM</td>
</tr>
<tr>
<td>Taper, Headstock and Tailstock</td>
<td>No. 2 Morse</td>
</tr>
<tr>
<td>Hole through Spindle</td>
<td>9/16&quot;</td>
</tr>
<tr>
<td>Spindle Threads, both ends</td>
<td>1&quot;-10</td>
</tr>
<tr>
<td>Tool Rest, length</td>
<td>12&quot;</td>
</tr>
<tr>
<td>Tailstock Ram Travel</td>
<td>2 1/2&quot;</td>
</tr>
<tr>
<td>Overall</td>
<td>56&quot; x 12 1/2&quot; x 13&quot; high</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>125 lb</td>
</tr>
<tr>
<td>Motor Recommended</td>
<td>1/2 or 1/2 HP, 1725 RPM</td>
</tr>
</tbody>
</table>

EQUIPMENT FURNISHED: Spur center, cup center, 12-inch tool rest, V-belt, motor pulley with 5/8" bore.

**LATHE STAND**

No. 9010 LATHE STAND. Heavy gauge steel. Bottom shelf adjustable up and down for proper belt tensioning. 12" x 50" x 32" high. 57 lb.
Professional-type chisels with forged steel blades, polished handles. Approximate length 17 inches.


No. 5618 RIGHT ANGLE TEE REST. Fits lathe bed-clamp and provides a rigid tool support for turning and facing at one setup. 2 1/2 lb.

Tee Rests fit bed-clamp furnished with lathes. Provide rigid support for chisels.

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>5621</td>
<td>4&quot;</td>
<td>1 lb</td>
</tr>
<tr>
<td>5620</td>
<td>8&quot;</td>
<td>2 lb</td>
</tr>
<tr>
<td>5619</td>
<td>12&quot;</td>
<td>3 1/2 lb</td>
</tr>
</tbody>
</table>

No. 40-60 JACOBS KEY-TYPE DRILL CHUCK. For drilling and countersinking. Capacity No. 70 drill to 1/2". Adapted to headstock and tailstock with No. 57Request arbor listed below, 2 lb.

No. 378 ARBOR. 8 oz.

FACE PLATES
Thread on 12" lathe spindle. Combination face plates have holes for wood screws and slots for holding and driving metal work.

FOR LATHE No. 7122 (1"-10 Spindle Threads).

<table>
<thead>
<tr>
<th>No.</th>
<th>6601</th>
<th>6&quot; COMBINATION, for in-board work, 6 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>5602</td>
<td>6&quot; COMBINATION, for outboard work, 6 lb</td>
</tr>
<tr>
<td>No.</td>
<td>M6-565</td>
<td>5 1/2&quot; COMBINATION, for in-board work, 6 lb</td>
</tr>
<tr>
<td>No.</td>
<td>5608</td>
<td>5 1/2&quot; FACE PLATE for in-board work, 3 holes for wood screws, 2 lb</td>
</tr>
</tbody>
</table>

No. 5615 JACK-SHAFT for bench mount. Furnished with 2 3-step pulleys. Reduces spindle speed for cross-tool turning by providing four additional speeds — 197, 372, 710 and 1143 RPM. 9 lb.

No. 6601 4" 3-jaw UNIVERSAL CHUCK with 1"-10 threads. Has inside and outside self-centering jaws controlled by single screw for quickly centering round and hexagonal work. Handle 5/8" made through headstock. Body is high-strength semi-steel. Wrench furnished. 3 lb.

No. M6-B448 4" 4-jaw INDEPENDENT CHUCK with 1"-10 threads. Holds work of all shapes. Jaws are reversible, have railed, ground steps. Wrench furnished. 6 lb.

No. 355 SCREW CENTER. No. 2 MT shank, 1 lb.
No. 355 Extra Point for No. 352, 2 oz.

No. 330 SPUR CENTER. No. 2 MT shank, 1 lb.
No. L3-147 Extra Point for No. 350, 2 oz.

No. 351 CUP CENTER. No. 2 MT shank, 1 lb.
No. L3-147 Extra Point for No. 351, 2 oz.

No. 356 CROUCH CENTER. No. 2 Morse taper, 1 lb.

No. 348 BALL BEARING CENTER. No. 2 MT shank, 1 lb.

No. M6-790 CENTER EJECTOR BAR for 12" lathes, length 10". Has brass head. Removes center from spindle without burring. 1 1/2 lb.
With an ATLAS 15-inch drill press you get more where it counts. The ATLAS drill press head — the heart of a drill press — is the biggest, most rigid of any 15" drill. You can see and measure the difference! Note the spacing of the column bearings — 8 inches, the full depth of the head for maximum rigidity. Note, too, the three widely spaced supports to maintain quill alignment thru its full travel. And the two bearings that support the drive are also widely separated. What's more, these quill guides, drive bearing housings and column bearing surfaces are precision bored at the same setting to assure accurate alignment of the spindle and column in every position.

The steel quill and the six-splined solid steel spindle are precision ground. Two, large, sealed-for-life ball bearings support the spindle in the quill. And the spindle nose taper for the chuck is ground after the unit has been assembled.

The drive mechanism — exclusive with ATLAS — not only delivers a smooth, quiet, flow of power, but it maintains the in-built accuracy of the spindle throughout its entire travel under every cutting load.

The ATLAS depth control stop is another exclusive feature that improves accuracy and keeps setup time at a minimum.

Heavy-duty spring, housed in cap shown at right, controls the tension on feed pinion shaft. Provides any desired tension.

The ATLAS drive consists of a balanced pulley supported by a ground steel spindle that turns on a huge sealed-for-life ball bearing. Power is transmitted to the drill spindle thru a six-splined, tough, durable, Zytel Nylon drive sleeve mounted on another sealed-for-life ball bearing. The Nylon drive withstands shock loads over three times greater than the accepted maximum requirements for drill presses of its size! In addition, the Nylon drive has tremendous resistance to wear, and never needs lubrication. This feature, plus the sealed-for-life bearings, eliminates the need for any lubrication of the drive mechanism — another important ATLAS first. The advanced design of the head, with its precision construction, and selection of materials for their wearing qualities, means greater efficiency, accuracy and service life with an ATLAS.

The table and base are heavy, well-braced grey-iron castings. For accurate alignment, table top is ground after it has been fitted to the column support bracket. Table tilts to any angle, right or left, and locks securely — horizontal position is indexed. (Tilting table is standard equipment!) The husky column, 2½" in diameter, is thick-walled ground steel — a rigid, accurate support for the table and head.

Other features include: three-spoke feed wheel, adjustable feed tension, quick-positioning vernier depth control stop, column collar (simplifies positioning head), cast-iron adjustable motor base, balanced motor pulley, V-belt and built-in switch are all standard equipment furnished.

An ATLAS drill press is the most versatile shop tool — it drills metals, woods, plastics, composites — and with low cost attachments it mortises, carves, mills, routs, shapes, sands and polishes. The ultra-high performance, dependability and value of ATLAS drill presses have made them the preferred drill for production, service, educational shops, and for the man who takes pride in the quality of the articles he builds in his own shop.
DRILL PRESSES

- New Heavy-Duty Drive with Six-Splined Spindle and Zytek Nylon Sleeve
- 4 Sealed-for-Life Ball Bearings—Two on Drive, Two on Spindle
- Massive Head, Heavy Table, Column and Base, for Accurate Work
- Full Tilting Table, Big Work Capacity
- Quick-Positioning Vernier Depth Control Stop, 3-Spoke Feed Wheel
- Built-in Switch, Coordinate Clamp Locks, Adjustable Feed Tension
- Available in High Speed and Slow Speed Models, with No. 70 to 1/2" Heavy-Duty Jacobs Chuck
- High Speed Model Has 4-Step Pulleys, Speeds: 580, 1300, 2440 and 5200 RPM
- Slow Speed Model Has 5-Step Pulleys, Speeds: 400, 680, 1370, 2750 and 4400 RPM

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MODEL

<table>
<thead>
<tr>
<th>Machine Number</th>
<th>Speeds</th>
<th>Spindle Travel</th>
<th>Spindle Nose Taper</th>
<th>Quill Dia.</th>
<th>Maximum Distance Table to Chuck</th>
<th>Maximum Distance Base to Chuck</th>
<th>Table Travel</th>
<th>Size of Table</th>
<th>Overall Dimensions (with motor)</th>
<th>Shipping Weight (less motor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1020</td>
<td>15&quot;</td>
<td>4&quot;</td>
<td>1-13/16&quot;</td>
<td>12&quot;</td>
<td>10 10 10&quot;</td>
<td>2 1/2&quot;</td>
<td>24 1/4 Deep</td>
<td>56&quot; High</td>
<td>150 lb.</td>
<td>150 lb.</td>
</tr>
<tr>
<td>1040</td>
<td>15&quot;</td>
<td>4&quot;</td>
<td>1-13/16&quot;</td>
<td>12&quot;</td>
<td>10 10 10&quot;</td>
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<td>24 1/4 Deep</td>
<td>56&quot; High</td>
<td>150 lb.</td>
<td>150 lb.</td>
</tr>
</tbody>
</table>

With No. 70 to 1/2" Jacobs Chuck

| No. 1060 High Speed | 15" | 4" |
| No. 1080 Slow Speed  | 15" | 4" |

BENCH DRILLS

<table>
<thead>
<tr>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1020</td>
</tr>
<tr>
<td>1040</td>
</tr>
</tbody>
</table>

High Speed | Slow Speed
---|---
1020 | 15" | 4"
1040 | 15" | 4"

FLOOR DRILLS

<table>
<thead>
<tr>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1060</td>
</tr>
<tr>
<td>1080</td>
</tr>
</tbody>
</table>

High Speed | Slow Speed
---|---
1060 | 15" | 4"
1080 | 15" | 4"

All models available with No. 2 Morse Taper Spindle, and with production oil table. Write for data.

1/3 or 1/2 H.P., 1725 R.P.M. Motor Recommended — ATLAS Nos. 2730, 2720, 2514. See Page 31.

EQUIPMENT FURNISHED: Full tilting table, 3-spoke feed wheel, heavy-duty Jacobs chuck, column collar, vernier depth stop, adjustable motor base, V-belts and motor pulley for 5/8" diameter shaft; less motor.
Atlas 12 3/4" BENCH DRILL PRESS

The Outstanding, Ball Bearing Drill Press Value

* Sealed-for-life ball bearings, two on spindle, double-row on drive
* Heavy-duty Jacobs chuck * Full tilting table * Precision-ground table and base * Built-in switch, 3-spoke feed wheel, Vernier depth control stop * Four speeds.

The features and quality construction of the 1010 are usually found only in drill presses costing much more. It has a new floating drive with six-splined spindle and drive sleeve, and double row ball bearing that insures smooth, quiet operation and long service. The drive pulley turns on a large double-row ball bearing mounted on an independent ground steel sleeve anchored in the drill head. The six-splined ground steel spindle is driven by a splined sleeve keyed to the pulley. Two sealed-for-life ball bearings float the spindle free from the quill. This floating drive transmits to the spindle only turning power — all belt pull is taken to the head through the drive unit.

The head is a heavy, rugged casting — a strong housing for the spindle and bearings. Matched and balanced pulleys, combined with floating drive, practically eliminate vibration. Full tilting table is accurately ground. Jacobs chuck, quick-positioning vernier depth control stop, three-spoke feed wheel, built-in 12 ampere motor control switch and adjustable motor mounting base are furnished. Drive pulley and splined spindle are enclosed by iron guard. Head, quill, and table support clamp locks are coordinate type. Heavy base is a rugged support — base is ground and slotted to serve as auxiliary table.

No. 1010 12 3/4" BENCH TYPE DRILL PRESS as illustrated with No. 70 to 1/2" Jacobs chuck, belt and motor pulley with 3/8" diameter bore, built-in switch, 3-spoke feed wheel, Vernier depth stop, less motor. 100 lb.

No. 9022 STAND for ATLAS 12 3/4" Drill Press. Heavy gauge steel. 16" x 16" x 32" high. 36 lb.

SPECIFICATIONS

Drills to Center of Circle........... 12 3/4" diameter
Chuck Capacity..................... 5/8"
Spindle Travel...................... 3"
Spindle Nose Taper................. No. 33
Quill Dia........................... 1-1/16"
Maximum Distance Table to Chuck... 11"
Maximum Distance Base to Chuck... 14 1/2"
Table Travel....................... 11"
Size of Table....................... 8" x 9"
Ground Steel Column.............. 2 1/4" diameter
4 Speeds between... 380 and 5200 RPM
Overall Dimensions......... 11" x 24" x 36" High
Shipping Weight, Less Motor....... 100 lb.
1/2 or 1/2 HP, 1725 RPM MOTOR is recommended — ATLAS Nos. 2730, 2720, 2514, 2515. See page 31.

Atlas WORKSHOP TOOLS

In every comparison — design, construction, easy operating features, price — the ATLAS-Workshop leads the field.

You get several tools in one for money-saving work around the house when you install an ATLAS-Workshop drill press. It is truly the home shop workhorse. Morrise and tenon joints for chairs, tables, doors, screens, cabinets... reeding, fluting, inlaying, shaping... accurate drilling... sanding, routing, carving... mixing paint, polishing silver... these are but a few of the almost endless list of useful jobs this one fine tool will do.

It's built for long, accurate service. Has a floating drive with six-splined spindle supported by a long, heavy-duty, automotive-type bronze bearing. Two more automotive-type bearings float the spindle free from the quill — both spindle and quill are precision-ground steel.

It's rugged. The head is a heavy gray-iron casting — a strong housing for the spindle and bearings. Base and table are thick rib-braced gray-iron. Column is ground steel.

No. 9325 11 3/4" DRILL PRESS, with 3/8" 3-saw Jacobs key-type chuck and 4-step motor pulley; less motor and belt. 53 lb.

Motor recommended: No. 2315. See page 31. V-belt recommended. 1/2" x 36".

SPECIFICATIONS

Drills to center of circle.......... 11 3/4" dia.
Speed range: 700, 1500, 2275, 4150 RPM
Spindle travel..................... 2 1/2"
Table travel....................... 12 3/8"
Overall dimensions
(with motor) 30 3/4" high x 9 7/8" x 22"
Motor recommended.............. 1/2 or 1/4 HP,
1725 RPM
Belt recommended................ 1/2" x 36"
Shipping weight.................. 53 lb.

28
SHAPING ATTACHMENT

The W80 Shaping Attachment converts any ATLAS drill press into an accurate, efficient shaping machine. Also an ideal table and guide for drum sanding and routing operations.

The 5-ply maple table measures 14 1/2" x 18"—plenty of support for shaping long pieces. Top is carefully finished so work rides smoothly as cut is taken. Table is ready drilled for fence and hold-downs—bolts to drill press table.

The fence casting is accurately machined grey-iron—a rigid support for the seasoned hardwood faces. Base of fence is slotted to permit 7/16" adjustment—feed screw moves right side in and out for planing operations. Two adjustable spring steel clips, furnished, hold work securely against fence and table during entire length of cut. Cutters, except for portion engaging work, are enclosed by the heavy fence casting which has an opening in back for easy chip removal.

No. W80 SHAPING ATTACHMENT. Includes table, fence, hold-downs, less cutters, adapter and collars. 13 lb.

No. W80F SHAPING FENCE only. Includes wood facings, bolts, washers and nuts. 5 1/2 lb.

No. W80T WOOD TABLE only, with screws and guide pin for irregular work. 6 lb.

No. W80H HOLD-DOWNS only, with clamps and stud. 1 1/2 lb.

MORTISING ATTACHMENT

Converts any ATLAS drill press into a mortising machine for cutting clean, accurate mortise-and-tenon joints.

Fence can be adjusted after table bracket has been bolted to drill press table—an exclusive ATLAS feature that permits adjusting work for mortises larger than the regular chisel range. Fence always moves parallel to the chisel sides. The hold-down foot is quickly adjusted for work between 1/2" and 6" high. Capacity between fence and sideclamp arm is 5/16", arm can be turned out of the way for wider work.

No. W18 MORTISING ATTACHMENT complete with hold-down, fence and chisel socket. less chisel and bit. 10 lb.

No. W1-4 MORTISING CHISEL SOCKET only—for all ATLAS drill presses. 3 lb.

No. W1-11 MORTISING HOLD-DOWN AND FENCE ATTACHMENT only. (Ideal guide for straight routing operations). 8 lb.

MORTISING CHISELS

Have superior cutting qualities, long life. Made of select high-carbon steel, carefully heat-treated.

No. Size Depth of Mortise Weight

MC-25 1/8" x 1/8" 1/16" 1/2 oz.
MC-37 3/16" x 1/8" 3/32" 2 oz.
MC-50 0.5 x 0.5 0.5 x 0.5 4 oz.

MORTISING CHISEL BITS


No. Size Diameter Shank Weight

MB-25 1/8" 3/32" 0.5 oz.
MB-37 3/16" 1/16" 0.5 oz.
MB-50 0.5 x 0.5 0.5 x 0.5 1 oz.

ROUTER BIT ADAPTER

No. W31 ADAPTER. Fits drill press spindle in place of Jacobs chuck. 3/16" hole. 8 oz.

DRILL VISE

No. 1245 DRILL PRESS VISE. Iron jaws are 2 3/4" wide, open to 3 3/4"; jaw height over guide rods 1 1/2". Steel guide rods keep jaws in accurate alignment and form level work support—base casting is accurately machined. Hardened steel V-block for round work and swivel jaw for irregular work are furnished. 6 lb.

DRILL Sander

No. 1245 DRILL PRESS VISE. Iron jaws are 2 3/4" wide, open to 3 3/4"; jaw height over guide rods 1 1/2". Steel guide rods keep jaws in accurate alignment and form level work support—base casting is accurately machined. Hardened steel V-block for round work and swivel jaw for irregular work are furnished. 6 lb.

HI-LO SPEED ATTACHMENT

For High Speed Drill Presses Only

The "Hi-Lo" provides a low speed of 210 R.P.M. for heavy metal work and higher than standard speeds for woodworking.

It can be mounted or removed in less than three minutes. Base is accurately machined to fit inside the top of drill press column. Balanced pulley runs on a large double-row ball bearing. Eccentric mounting of pulley with base permits quick release of belt tension for speed changes.

Order No. ATLAS Drill Press Inside Col. Dia.
W-122 For No. 1020 and 1060 high Speed Drill Presses 3/4" 2 3/4" 200 lb.
W-131 For No. 1010 1/2" 2 1/2" 150 lb.
Weight 6 lb.—two V-belts furnished.
UNIVERSAL COMPOUND VISE
Equips Drill Press for Milling Operations in Woods, Plastics and Light Metals

This versatile fixture handles all types of accurate indexing, layout, and spacing work — straight lines, radial, circular — and is built rigidly to permit adapting drill presses to light milling operations. It can also be used with shaper, milling machine, lathe, and grinder for any jobs which require accurate feeds in two directions.

The rugged base casting is a rigid accurate foundation for the entire attachment — bottom is machine-ground. Four flanged slots permit bolting or clamping to the drill press table or base. Upper slide is graduated through 180° (90° right and left) so that the vise table may be rotated to any angle and set accurately. The transverse (upper) and cross (lower) slides travel on dovetail ways, carefully machined and hand-fitted — full-length gib plates with screws and lock nuts provide means for take-up. Feed screws have Acme threads, ball crank controls with take-up, and steel collars graduated in thousandths.

The machine-ground table casting is locked to the upper slide by two socket-head cap screws. Four T-slots for positioning and locking vise jaws extend from center of table to edges. Each vise jaw is locked by a socket-head cap screw. One jaw may be swiveled to grip irregular work — the other has a movable face which is tightened upon the work after both jaws have been clamped to the table.

No. W68 UNIVERSAL COMPOUND VISE complete as shown above with wrench and bolts. 2 1/2 lb.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Cross Feed Travel</th>
<th>Jaw Width</th>
<th>Jaw Height</th>
<th>Base to Table</th>
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<tbody>
<tr>
<td>(Lower) 6 1/2&quot;</td>
<td>6 1/2&quot;</td>
<td>3 1/2&quot;</td>
<td>2 1/2&quot;</td>
</tr>
<tr>
<td>(Upper) 5 1/2&quot;</td>
<td>5 1/2&quot;</td>
<td>3 1/2&quot;</td>
<td>2 1/2&quot;</td>
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SAFETY GUARD
No. 1348 SAFETY GUARD for ATLAS 15" drill presses. Covers the entire drill press drive mechanism as required by safety codes. Pin hinged to permit quick raising for speed changes. Ready tapped for easy installation. 7 lb.

HEAD and TABLE POSITIONING MECHANISM
No. W76 HEAD and TABLE POSITIONING MECHANISM for 15" Floor-type Drill Presses. Makes last, easy work of raising or lowering drill press head or table. Quickly installed. Simply turning crank handle raises or lowers drill head or table. One revolution of crank gives 1/8" travel — 12" max. travel at one setting, to 10 lb.

DRILL PRESS LAMP
No. 1338 DRILL PRESS LAMP. Has 15-inch flexible cable, universal mounting bracket with clamp screws, 6 ft. rubber cord, "push through" switch, plug, 2 lb.

PRODUCTION OIL TABLE
No. 1135 PRODUCTION OIL TABLE for ATLAS 15" bench and floor type drill presses. For production work with jigs and fixtures. Heavy grey-iron with 10 1/4" x 10 1/4" precision-ground working surface. Has drain channel for oil. 85 lb.

QUICK-CHANGE BELT RELEASE
Permit instant release of belt tension, speeds up belt changes, assures correct tension adjustment at all times. Motor, on hinged base, is moved toward drill press head by rocker shaft with ball handle control.

No. 1276 QUICK CHANGE BELT RELEASE for ATLAS 15" high speed drill presses. 12 1/2 lb.

No. 1276A QUICK CHANGE BELT RELEASE for ATLAS 15" low speed drill presses. 12 1/2 lb.

COLUMNS COLLAR
Simplifies raising, lowering, swinging drill press head or table. Furnished with 15" drill presses.

No. 61-758
Drill Press 15 inch
Wt. 3 1/2 lb.

No. 53-758
Drill Press 12 1/2 inch
Wt. 3 1/2 lb.

For any Grinder and Wheel Thickness
Last, clean, accurate drilling is an easy job when the drill point has been sharpened on the ATLAS drill grinder.

It takes just a minute to sharpen any drill between 5/32" and 1 1/4" in diameter, and BOTH LIPS ARE ALWAYS GROUND IDENTICALLY, ensuring maximum accuracy and prolonging drill life. Novel chuck and V-block center the drill — sharp stop, micrometric graduated feed, special lip stop assures accurate rechucking for grinding second lip. Radial movement of chuck provides scientific lip clearance. Swivel base allows wide range: 40" to 30" (60" to 160" included angle) — 50° and 40° positions are indicated.

No. 2915 DRILL GRINDING ATTACHMENT, for ATLAS 1/4", 5/32", and 1/8" grinders and many others. 7 lb.

No. W20-356 DIAMOND POINT for dressing wheel. Fixed face of grinding wheel for maximum accuracy. Held in chuck of drill grinding attachment. 3 oz.

No. W20-40 RECESS WHEEL for drill grinding. Recessed one side, 1/2" hole. 2 lb.

No. W20-41 RECESS WHEEL for drill grinding. Recessed one side, 1/2" dia. 3/8" hole. 2 1/2 lb.

RADIUS ARM
Increases Throat Capacity to 24"

Converts any ATLAS 15" drill press into a radial drilling machine for handling large work. Increases chuck-to-column capacity to 24" and auxiliary column furnished adds 15° to chuck-to-base capacity. Can be used in upright or inverted position.

Massive arm casting is ribbed and reinforced to maintain rigidity. Holes for drill press column and auxiliary column are precision bored. 19" auxiliary column is 1 1/4" diameter ground steel tubing — allows travel of the drill head up to 6 1/2".

No. W79 RADIUS ARM for ATLAS 15" drill presses. 46 lb.
ATLAS HEAVY-DUTY MOTORS

ATLAS "Heavy-Duty" motors are powerful, quiet, smooth running—have large ball bearings—operate in any position. Heavy-duty construction for long service life at peak motor performance. Operate satisfactorily on 10% voltage variation. Motors for 10" circular saws and 6" jointers are totally enclosed. All have single end shafts with 3/16" x 3/32" keyway—do not have switch, cord or plug.

ATLAS "GRAY LINE" MOTORS

ATLAS "Gray Line" motors have rolled steel frames with cast iron end brackets, drip-proof enclosures, and sturdy steel bases. All operate on 115V, 60C, A.C., and are wired with cord and plug. No. 2514 also includes built-in switch.

Nos. 2514 and 2752 are ball bearing, capacitor start motors with 5/8" double end shafts. Both have overload protectors with manual reset; operate in any position.

No. 2515 is a split phase motor with bronze bearings and 1/2" single end shaft. Operates in horizontal position and vertically with shaft up.

MOTOR RAIL AND CLIPS FOR WORKSHOP TOOLS

Power all your WORKSHOP tools with one motor—simply fasten an ATLAS motor rail to your 1/4, 1/2 or 1/2 HP motor and put clips on your benches or stands behind each tool. Permits moving motor from tool to tool in 30 seconds or less. Exclusive lock-in safety design. Tension belt automatically.

No. 3264 Motor Rail with bolts. Use with No. 3263 clips.
No. 3263 Motor Rail Clips. For use with No. 3264 motor rail. Screws furnished.
No. 9321 4-step Pulley, 3/8" hole. For use with double-end shaft motor and motor rail for operating all WORKSHOP tools with one motor. 1 lb.

ATLAS HEAVY-DUTY BENCH GRINDERS

Rugged, powerful, smooth-running, ATLAS grinders meet every shop need. Equipped with cool-running, 3450 RPM ball bearing motors with built-in switch, cord and plug, two wheels—one medium and one fine—and adjustable work rests.

All motors are for operation on 115 volt, 50/60 cycle, AC, single phase current.

No. 2775 3/4 HP Bench Grinder, 6" x 1/2" wheels, 1/2" shaft. Overall: 15 5/8" x 8" x 9 1/2", 40 lb.
No. 2800 3/4 HP Bench Grinder, 6" x 1/4" wheels, 1/2" shaft. Overall: 17 5/8" x 10" x 10 3/4", 72 lb.
No. 2770 1/2 HP Bench Grinder, 7" x 1" wheels, 5/8" shaft. Overall: 20 1/2" x 11 1/2" x 12", 100 lb.

RECESS WHEELS

Recess Wheels for drill grinding. Recessed one side.
No. W30-40 Recess Wheel, 6" dia., 1/2" hole. 2 lb.
No. W30-41 Recess Wheel, 7" dia., 3/8" hole. 2 1/2 lb.

FLOOR PEDESTALS

Heavy grey-iron casting, designed and braced for maximum rigidity. Pedestal is 10 1/2" wide, 12 1/2" deep, 34 1/2" high. Water pot furnished.
No. 2900 Floor Pedestal, for 3/4 and 1/2 HP grinders. 115 lb.
No. 2910 Floor Pedestal, for 1/2 HP grinders. 115 lb.

SAFETY EYE SHIELDS

No. W37-58 Safety Eye Shields, for 3/4, 1/2 and 1/2 HP grinders. Mount on wheel guards—that shatterproof glass protects operator’s vision. (Give year purchased.) 5 lb. per pair.
With ATLAS, quality is more than a seven letter word. It is an inherent and visible feature of every product we manufacture.

ATLAS quality is the result of many things. It comes from over 40 years' engineering know-how... ingenuity of design... and efficient production facilities. It stems, too, from our experience in the manufacture of the world-famous ATLAS and CLAUSING precision machine tools, illustrated on this page. And it is guaranteed by exacting controls... ATLAS maintains a strict control of quality... inspection after inspection, and test after test, assure that every ATLAS tool measures up to rigid specifications of construction and performance.

Since 1911, when the company was founded, our aim has been the same—to produce tools of the highest quality at a sensible price. When you select a power tool or a machine tool with an ATLAS name plate, you are investing in a quality product that will give you years of dependable, efficient, accurate service.

For further information about ATLAS and ATLAS-CLAUSING metalworking tools write:

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