

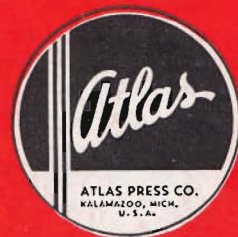
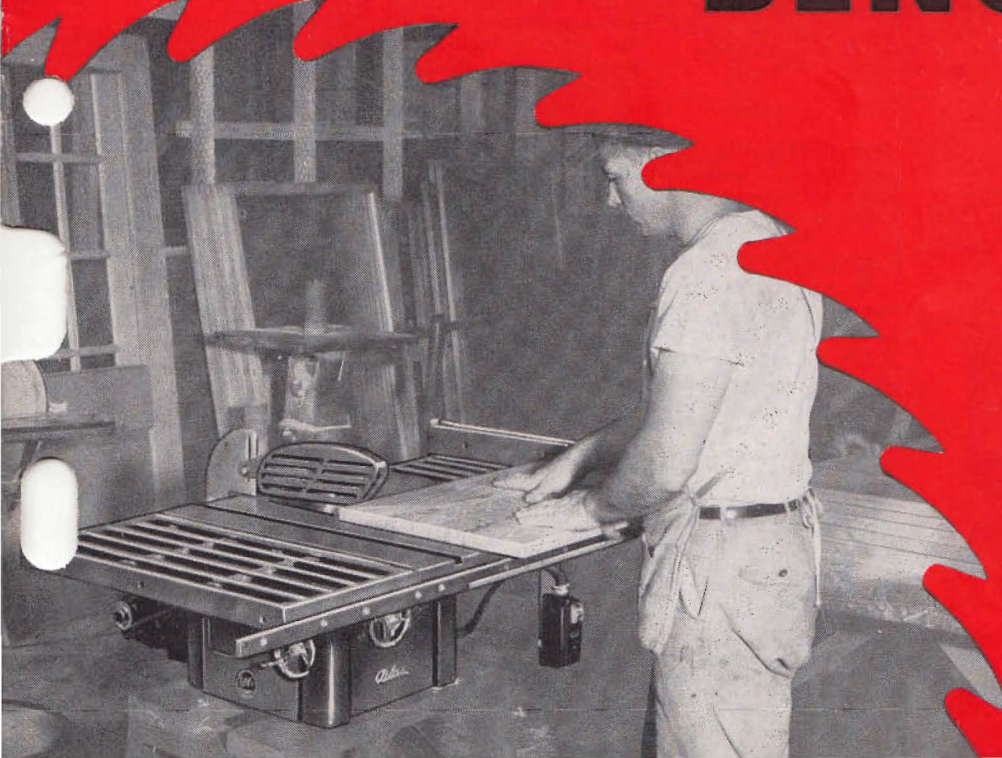
CATALOG
8-105



Atlas

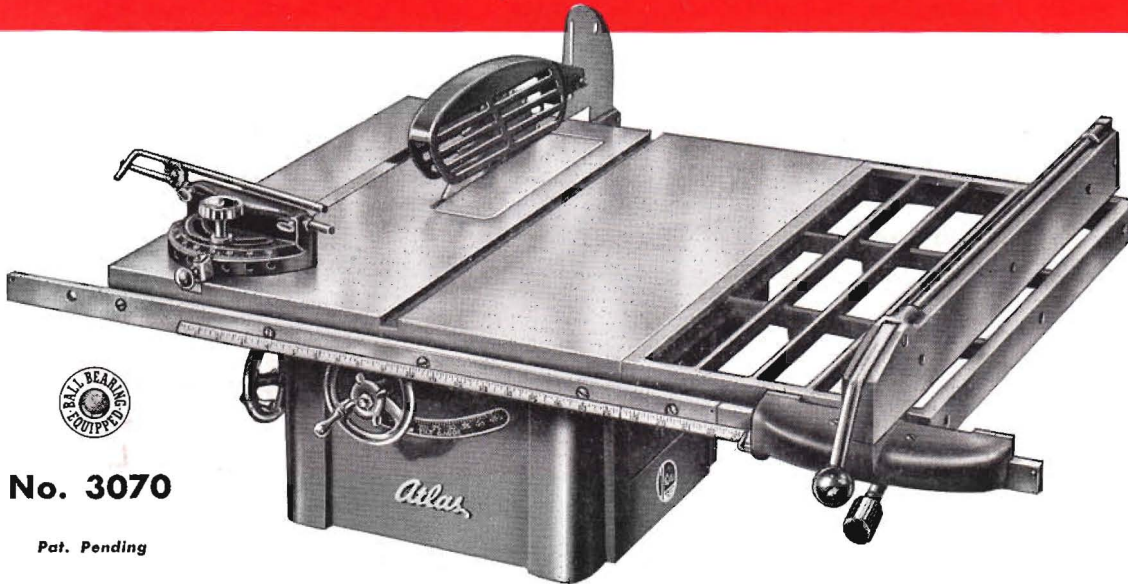
8" and 10"

TILT  ARBOR
BENCH SAWS



ATLAS PRESS CO.
KALAMAZOO, MICHIGAN
U. S. A.

Atlas 10" TILT/ARBOR BENCH SAW



No. 3070

Pat. Pending

The Saw with the big table and quick-positioning fence for carpenters, commercial and home shops

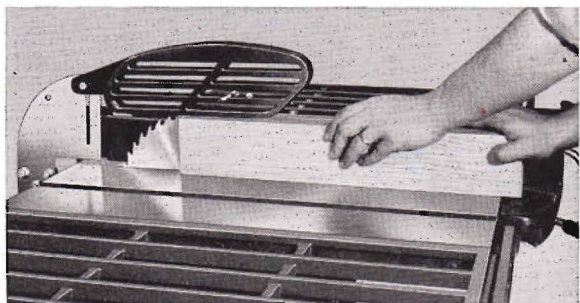
Atlas engineers have reached into the future for the ideal saw for your shop—a saw that matches the precision of Atlas metalworking equipment.

Big, Precision Ground Table

You get some idea of the capacity of this saw when you realize that with one extension you can rip to the center of four-foot panels, and cut stock up to 3 $\frac{1}{4}$ " thick. Your work slides smoothly on the best table surface for sawing—a precision ground grey-iron casting.

Tilt/Arbor Makes Angle Sawing Safe

With an Atlas, all cuts, vertical or bevel, are taken with the work and table in a natural horizontal position—the blade tilts to 45°. Your work can't slide into the blade.



Cabinet shops like the big table, quick-set fence and many convenience features of the new Atlas bench saws.

Unique Rip Fence

Another outstanding Atlas development is the design of the rip fence. Carpenters and commercial shops value this feature. Push down the lever and fence locks securely at both ends—raise the lever and fence slides easily on the table or lifts off. It is cast aluminum for lightness and rigidity. Has vernier control for fine adjustment.

Fast Sawing, Easy Operation

Below the table top are other important features to note. The saw arbor turns on two large precision ball bearings, grease packed and sealed against dust and dirt. Two V-belts drive the saw from a standard $\frac{3}{4}$ or 1 HP

3450 RPM motor. The base is sheet steel for lightness and rigidity. Controls for regulating blade height and angle are smooth in operation with quick-set locks. Blade angle is easily seen on large scale on front of base.

Model No. 3070, illustrated above, gives you 12 $\frac{3}{4}$ " of table surface ahead of blade, 8" left of blade, a maximum distance from right of blade to fence of 24 $\frac{1}{4}$ ". It weighs 167 pounds without motor, so you know it is solid. And it has the capacity to handle production or custom work efficiently and accurately.

No. 3070 10-inch TILT/ARBOR BENCH SAW, 25" x 33 $\frac{3}{4}$ " TABLE, with 24 $\frac{1}{4}$ " maximum distance right of blade to fence, 8" table surface to left of blade, and 12 $\frac{3}{4}$ " table surface ahead of blade. Includes one side extension and equipment furnished as listed on page 3, less motor. 191 lbs. Code YIURY.

For complete specifications of this and other models, see facing page.

See page 6 for complete details of special construction features.

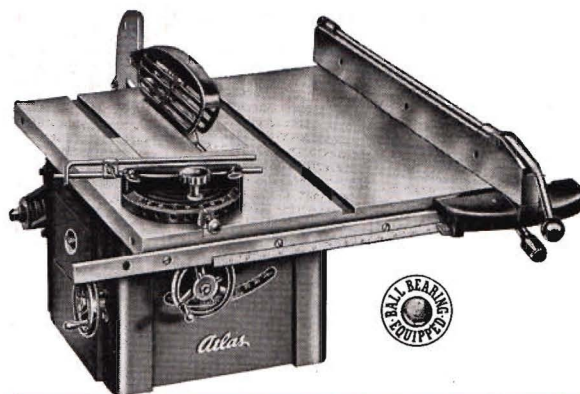
10" TILT/ARBOR SAW

No. 3060

Some commercial and home shops rarely need to saw large panels or crosscut long boards. For them, Model 3060 is the ideal saw. The table size of 25" x 22" gives you 12³/₄" surface ahead of blade, 8" to the left, and a maximum of 12¹/₂" from right of blade to fence. Table sides are precision milled so extensions can be added when you want them.

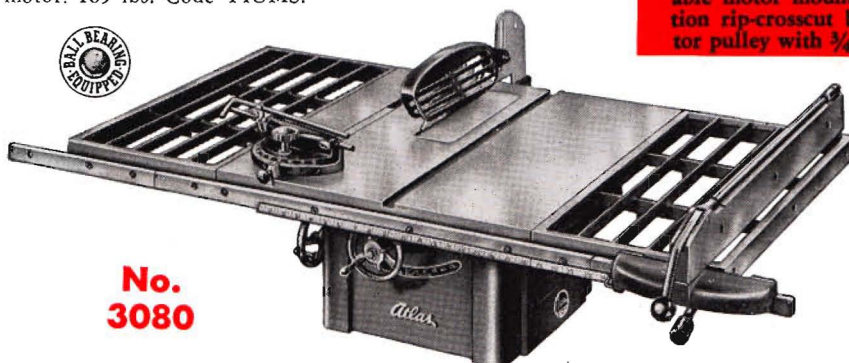
This saw is identical in every respect, except table size, with model No. 3070. It has all the construction and operating features including tilt/arbor, precision ground grey-iron table, quick-adjusting rip fence, and easy operating controls.

No. 3060 10-inch TILT/ARBOR BENCH SAW, 25" x 22" TABLE, (illustrated at right) with 12¹/₂" maximum distance right of blade to fence, 8" table surface to left of blade, and 12³/₄" table surface ahead of blade. Equipment furnished as listed at right, less side extensions and motor. 165 lbs. Code YIUMS.



EQUIPMENT FURNISHED

All models have quick-positioning rip fence with vernier control for fine adjustment; mitre gauge with stop rods; blade guard and splitter; adjustable motor mounting base; 10" diameter combination rip-crosscut blade; two V-belts and dual motor pulley with ³/₄" bore; less motor.



**No.
3080**

**10"
TILT/ARBOR
SAW**

Carpenters, contractors, mill work shops, and furniture manufacturers are quick to adopt this model for their various sawing needs. Two features, above all, win their enthusiastic approval: the big table area, the quick-positioning rip fence.

With fence removed, the table provides a surface 45¹/₂" across—ample support for cutting long boards—has 12³/₄" working surface ahead of blade. There is 19³/₄" left of blade, and a maximum distance of 24¹/₄" right of

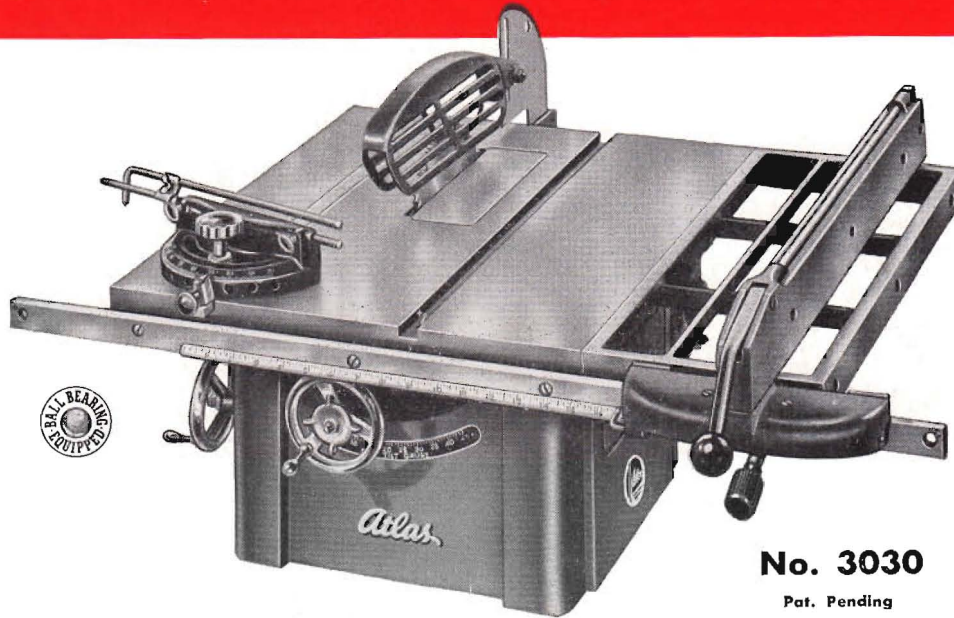
blade to fence. All other construction features are identical with other models.

No. 3080 10-inch TILT/ARBOR BENCH SAW, 25" x 45¹/₂" TABLE, (above) with 24¹/₄" maximum distance right of blade to fence, 19³/₄" table surface to left of blade, and 12³/₄" table surface ahead of blade. Includes two side extensions and equipment furnished as listed above, less motor. 217 lbs. Code YIUSZ.

COMPLETE SPECIFICATIONS

Catalog Number	3060	3070	3080
Code	YIUMS	YIURY	YIUSZ
Table Dimensions	25" x 22"	25" x 33 ³ / ₄ "	25" x 45 ¹ / ₂ "
Saw Blade — Combination Rip-Crosscut, ⁵ / ₈ " Hole	10" dia.	10" dia.	10" dia.
Dado Capacity	13/16"	13/16"	13/16"
Maximum Depth of Cut	3 ¹ / ₄ "	3 ¹ / ₄ "	3 ¹ / ₄ "
Table Surface Ahead of Blade	12 ³ / ₄ "	12 ³ / ₄ "	12 ³ / ₄ "
Table Surface to Right of Blade	13 ³ / ₄ "	25 ¹ / ₂ "	25 ¹ / ₂ "
Maximum Distance, Right of Blade to Fence	12 ¹ / ₂ "	24 ¹ / ₄ "	24 ¹ / ₄ "
Table Surface to Left of Blade	8"	8"	19 ³ / ₄ "
Blade Tilts to	45°	45°	45°
Rip Fence Length	29 ¹ / ₈ "	29 ¹ / ₈ "	29 ¹ / ₈ "
Rip Fence Height	2 ¹ / ₂ "	2 ¹ / ₂ "	2 ¹ / ₂ "
Table Scale, Graduated in 1/16"	0 to 18 ¹ / ₂ "	0 to 30 ¹ / ₂ "	0 to 30 ¹ / ₂ "
Base Dimensions	14 ⁷ / ₈ " x 14 ³ / ₄ "	14 ⁷ / ₈ " x 14 ³ / ₄ "	14 ⁷ / ₈ " x 14 ³ / ₄ "
Overall Depth with Motor	44 ¹ / ₂ "	44 ¹ / ₂ "	44 ¹ / ₂ "
Overall Width	30 ¹ / ₄ "	42"	53 ³ / ₄ "
Overall Height	18 ¹ / ₂ "	18 ¹ / ₂ "	18 ¹ / ₂ "
Net Weight (less motor)	145 lbs.	167 lbs.	189 lbs.
Motor Recommended	³ / ₄ HP or 1 HP, 3450 RPM	³ / ₄ HP or 1 HP, 3450 RPM	³ / ₄ HP or 1 HP, 3450 RPM

Atlas 8" TILT/ARBOR BENCH SAW



No. 3030

Pat. Pending

The 8" saw with new exclusive features

- Quick-Positioning Rip Fence
- Vernier Control for Fine Adjustment
- New Grill-Type Extensions
- Precision Ground Grey-Iron Table
- Cuts to 2 $\frac{3}{8}$ " Deep
- Blade Tilts 45° — Table Stays Flat
- Precision Ball Bearings

This saw has all the construction and easy operating features of the larger saws — everything you need for production, construction, or custom work on furniture, shelves, cupboards and fine cabinet work. You can put it right on the job, do it yourself, and save.

Tilt/Arbor Construction

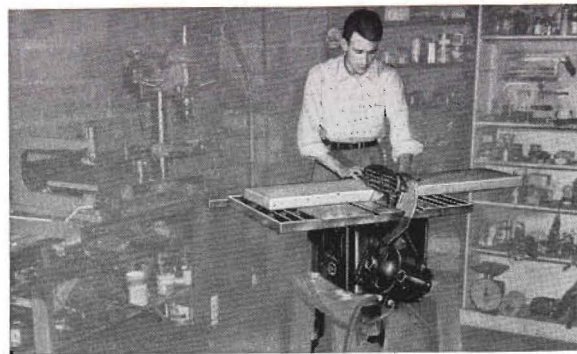
Like all Atlas saws, this new 8-inch gives you the safety of a tilting arbor for angle sawing. *The table is always flat.* Your work can't slide into the blade.

Ground Table

Another feature not often found in economically priced 8" saws is the massive grey-iron table — heavily ribbed to provide a solid support for heavy stock, ground on top for smooth feeding. Sides are finish-milled for accurate alignment of extensions.

Rugged, Quick-Positioning Rip Fence

The unique rip fence of the Atlas is also made to industrial standards of accuracy and efficiency. It is cast aluminum for lightness and strength. Locks at *both* ends for



rigidity and accuracy. Raising the lever releases it instantly for *lifting* off or sliding smoothly to the position you want. Vernier control provides final accurate adjustment.

Big Capacity — Convenient Controls

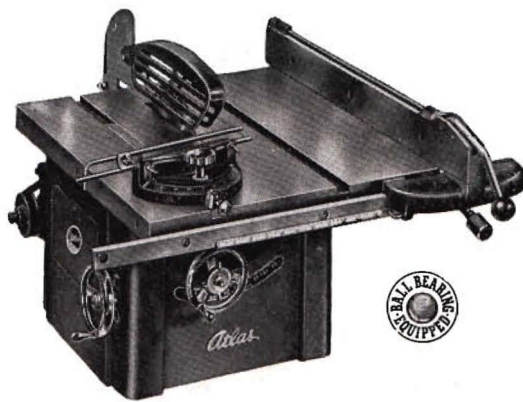
With the working needs of your shop in mind, you'll realize the value of the extra large table surface of No. 3030 — measures 22" x 26 $\frac{3}{4}$ ". It provides you with 10 $\frac{5}{8}$ " in front of blade, 7" to left, and up to 18 $\frac{1}{4}$ " from right of blade to fence — unusual capacity for a low cost 8-inch saw.

Controls for setting blade height and angle are conveniently located. They operate easily and smoothly — turn in Oilite bearings — lock at any position desired.

No. 3030 8-inch TILT/ARBOR BENCH SAW, 22" x 26 $\frac{3}{4}$ " TABLE, (illustrated above) with 18 $\frac{1}{4}$ " maximum distance right of blade to fence, 7" table surface to left of blade, and 10 $\frac{5}{8}$ " table surface ahead of blade. Includes one side extension and equipment furnished as listed on facing page, less motor. 163 lbs. Code YIUHN.

See page 5 for complete specifications of this and other models.

Details of special construction features are given on page 6.



8" TILT/ARBOR SAW

No. 3020

The same fast, accurate, easy-operating saw as No. 3030 on preceding page, without the extra table surface. Table is a grey-iron casting, 22" x 18" — precision-ground for accuracy and smooth finish, heavily braced, machined on sides so extensions can be added. Maximum distance right of blade to fence, 9 1/2"; left of blade, 7"; ahead of blade, 10 5/8". Cuts 2 3/8" deep. Rip fence lifts off for feeding wide stock across table. Net weight, less motor, 120 lbs.

No. 3020 8-inch TILT/ARBOR BENCH SAW, 22" x 18" TABLE, (shown at left) with 9 1/2" maximum distance right of blade to fence, 7" table surface to left of blade, and 10 5/8" table surface ahead of blade. Equipment furnished as listed at left, less side extensions and motor. 145 lbs. Code YIUGM.

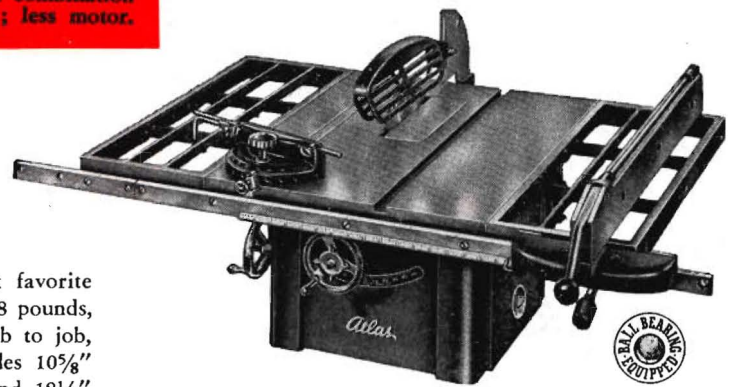
EQUIPMENT FURNISHED

All models have quick-positioning fence with vernier control; mitre gauge with stop rods; blade guard and splitter; adjustable motor mounting base; 8" diameter combination rip-crosscut blade; V-belt and motor pulley; less motor.

8" TILT/ARBOR SAW No. 3040

This saw, with its two extensions, is a great favorite among carpenters and contractors. Weighing 148 pounds, without motor, it is easily transported from job to job, or room to room. Its 22" x 35 1/2" table provides 10 5/8" surface ahead of blade, 15 3/4" left of blade, and 18 1/4" maximum distance from right of blade to fence — plenty of capacity for most home construction. The 35 1/2" table width, without fence, easily handles long timbers.

No. 3040 8-inch TILT/ARBOR BENCH SAW, 22" x 35 1/2" TABLE, (shown above) with 18 1/4" maximum dis-

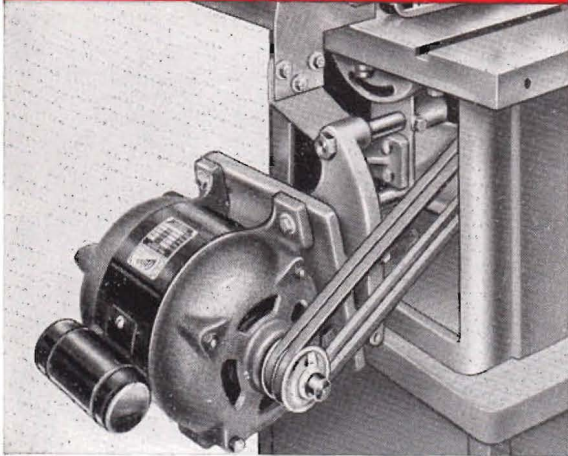


tance right of blade to fence, 15 3/4" table surface to left of blade, and 10 5/8" table surface ahead of blade. Includes two side extensions and equipment furnished as listed above, less motor. 181 lbs. Code YIUJP.

COMPLETE SPECIFICATIONS

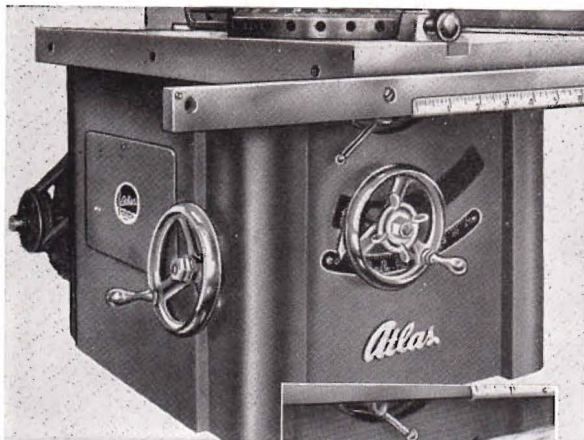
Catalog Number	3020	3030	3040
Code	YIUGM	YIUHN	YIUJP
Table Dimensions	22" x 18"	22" x 26 3/4"	22" x 35 1/2"
Saw Blade — Combination Rip-Crosscut, 5/8" Hole	8" dia.	8" dia.	8" dia.
Dado Capacity	13/16"	13/16"	13/16"
Maximum Depth of Cut	2 3/8"	2 3/8"	2 3/8"
Table Surface Ahead of Blade	10 5/8"	10 5/8"	10 5/8"
Table Surface to Right of Blade	11"	19 3/4"	19 3/4"
Maximum Distance, Right of Blade to Fence	9 1/2"	18 1/4"	18 1/4"
Table Surface to Left of Blade	7"	7"	15 3/4"
Blade Tilts to	45°	45°	45°
Rip Fence Length	26"	26"	26"
Rip Fence Height	2 1/2"	2 1/2"	2 1/2"
Table Scale, Graduated in 1/16"	0 to 18 1/2"	0 to 18 1/2"	0 to 18 1/2"
Base Dimensions	14 7/8" x 14 3/4"	14 7/8" x 14 3/4"	14 7/8" x 14 3/4"
Overall Depth with Motor	37"	37"	37"
Overall Width	26 3/4"	35 1/2"	44 1/4"
Overall Height	18 1/2"	18 1/2"	18 1/2"
Net Weight (less motor)	120 lbs.	134 lbs.	148 lbs.
Motor Recommended	1/2 HP or 3/4 HP, 3450 RPM	1/2 HP or 3/4 HP, 3450 RPM	1/2 HP or 3/4 HP, 3450 RPM

**Construction Features
that make *Atlas* Saws
Outstanding Values**



**Integral Motor
Mounting Base**

Hinged base, attached directly to cradle, makes the Atlas a compact unit — assures full transmission of power from motor to blade. The saw arbor turns on two high speed ball bearings, grease-packed and sealed against dust and dirt. The combination of V-belt drive — dual V-belt drive on 10" models — plus ball bearing arbor, assures smooth, dependable operation.

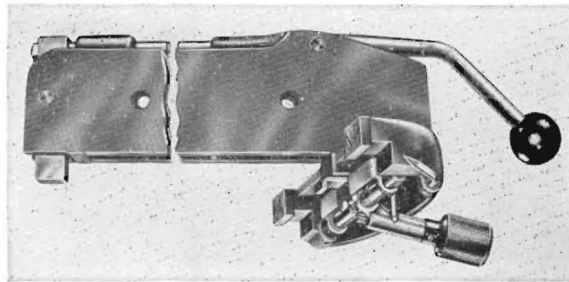


**Convenient
Controls**



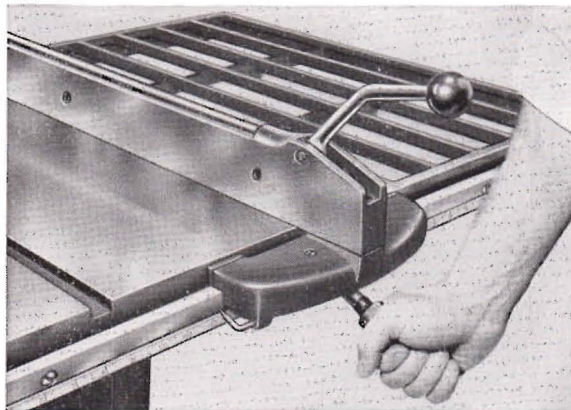
It's easy to set up and operate an Atlas 8" or 10" Bench Saw. Controls are conveniently placed and

easily operated. The front wheel regulates blade height through an Acme screw. The other tilts the blade from 0 to 45°, with angle of tilt shown on a graduated scale. Both controls turn in Oilite bearings for lasting smoothness — lock rigidly to keep blade in desired position.



New Rip Fence

The fence design — exclusive with Atlas — has convenience features you'll appreciate every time you use the Atlas tilt/arbor saw. It's cast aluminum for lightness and strength — extends full length of table and locks at both ends. It's easy to position — raise the lock lever and the fence slides easily on the table or lifts off. Has laminated shims on slide for wear take-up — holes for fastening wood facings — vernier control for fine adjustment as described below.



**Accurate Vernier
Adjustment**

After you slide the fence to the approximate setting, you can quickly adjust it to the final position with the accurate vernier control. It's engaged by pushing handle on fence slide — releases automatically — another exclusive Atlas feature.

Other Construction Features

Heavy grey-iron cast cradle for arbor tilts on two massive trunnions that are bolted and doweled directly to table casting after arbor and mitre gauge slots have been aligned. Table sides and mitre gauge slots are machined in one operation to assure accurate alignment. Grey-iron table casting, heavily braced and reinforced, is precision ground for accuracy and smooth feeding of stock.

ACCESSORIES and EQUIPMENT



TABLE EXTENSIONS

The new grill-type extensions — exclusive with Atlas — give you unusually large working surface, at extremely low cost. Grey iron with scientific grill design for rigidity. Top precision ground for smooth sliding, sides accurately machined for alignment. Easily installed on either side of saw table. Extensions for 10-inch saws measure 11 $\frac{3}{4}$ " x 25" — 8 $\frac{3}{4}$ " x 22" for 8-inch models — come complete with guide bar, scale extension and mounting bolts. As many as two extensions may be used on either side of table to meet work requirements.

No. 3243 TABLE EXTENSION, 11 $\frac{3}{4}$ " wide, for Atlas 10" bench saws. 26 lbs. Code YOANT.

No. 3240 TABLE EXTENSION, 8 $\frac{3}{4}$ " wide, for Atlas 8" bench saws. 18 lbs. Code YOARY.

Atlas MOTORS



Atlas motors develop full power instantly under load without drawing excess current. Have large precision ball bearings — may be operated in any position. Do not have switch, cord or plug.

Note: $\frac{3}{4}$ or 1 HP motors recommended for 10" saws, $\frac{1}{2}$ or $\frac{3}{4}$ HP for 8" saws.

No. 2760 1 HP 3450 RPM 1-Phase Capacitor Start Ball Bearing Motor. 110-220V, 60c. $\frac{3}{4}$ " single-end shaft. 50 lbs. YIEJL.

No. 2750 $\frac{3}{4}$ HP 3450 RPM 1-Phase Capacitor Start Ball Bearing Motor. 110-220V, 60c. $\frac{3}{4}$ " single-end shaft. 50 lbs. YIDLX.

No. 2740 $\frac{1}{2}$ HP 3450 RPM 1-Phase Capacitor Start Ball Bearing Motor. 110-220V, 60c. $\frac{5}{8}$ " single-end shaft. 34 lbs. YIDJO.

No. 2860 1 HP 3450 RPM 3-Phase Ball Bearing Motor. 220-440V, 50-60c. $\frac{3}{4}$ " single-end shaft. 48 lbs. YIEMP.

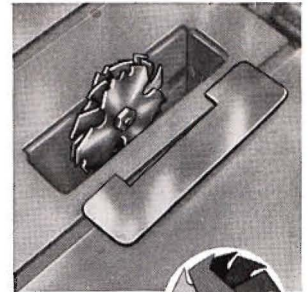
No. 2850 $\frac{3}{4}$ HP 3450 RPM 3-Phase Ball Bearing Motor. 220-440V, 50-60c. $\frac{3}{4}$ " single-end shaft. 48 lbs. YIELN.

No. 2710 10-foot Extension Cord and Plug for $\frac{1}{2}$ HP single phase motors. 1 $\frac{1}{4}$ lbs. YIDEG.

No. 2712 10-foot Extension Cord and Plug for $\frac{3}{4}$ HP single phase motors. 2 $\frac{1}{2}$ lbs. YIECF.

DADO HEADS

Chrome-nickel molybdenum alloy steel carefully ground and set for cutting clean, accurate dados and rabbets. Used with dado insert plates below.



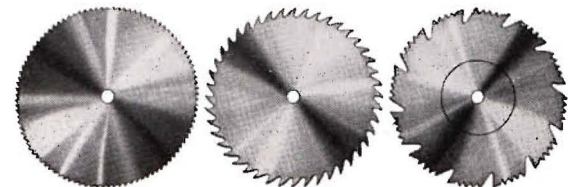
No. 3220 6" DADO HEAD with 13/16" capacity, $\frac{5}{8}$ " bore, for Atlas 10" bench saws. Complete with two outside blades, 3/32" thick, and six chippers, widths as follow: one 1/16", two 3/32", and three 1/8". 1 $\frac{3}{4}$ lbs. Code YUJOY.

No. 3223 5 $\frac{1}{2}$ " DADO HEAD with 13/16" capacity, $\frac{5}{8}$ " bore, for Atlas 8" bench saws. Complete with two outside blades, 3/32" thick, and six chippers, widths as follow: one 1/16", two 3/32", and three 1/8". 1 $\frac{1}{2}$ lbs. Code YUKUB.

No. DH-561 5 $\frac{1}{2}$ " DADO HEAD with 9/16" capacity, $\frac{5}{8}$ " bore, for Atlas 8" bench saws. Complete with two outside blades, 3/32" thick, and four chippers, widths as follow: one 1/16", one 1/8", and two 3/32". 1 $\frac{1}{4}$ lbs. Code ZAUDT.

No. 3231 DADO INSERT PLATE for Atlas 10" bench saws. 1 $\frac{1}{4}$ " lbs. Code YUMAY.

No. 3221 DADO INSERT PLATE for Atlas 8" bench saws. 1 lb. Code YUKOZ.



CIRCULAR SAW BLADES

Atlas saw blades are alloy tool steel — carefully ground and set for fast, smooth cutting and longer blade life. Hollow ground blades are ideal for fine cabinet work and other jobs that require an exceptionally smooth, finished surface.

No. 3210 10" COMBINATION SAW BLADE. $\frac{5}{8}$ " hole. 2 $\frac{1}{2}$ lbs. Code YUJUJ.

No. 3211 10" RIP SAW BLADE. $\frac{5}{8}$ " hole. 2 $\frac{1}{2}$ lbs. Code YUJVE.

No. 3212 10" CROSSCUT SAW BLADE. $\frac{5}{8}$ " hole. 2 $\frac{1}{2}$ lbs. Code YUJYO.

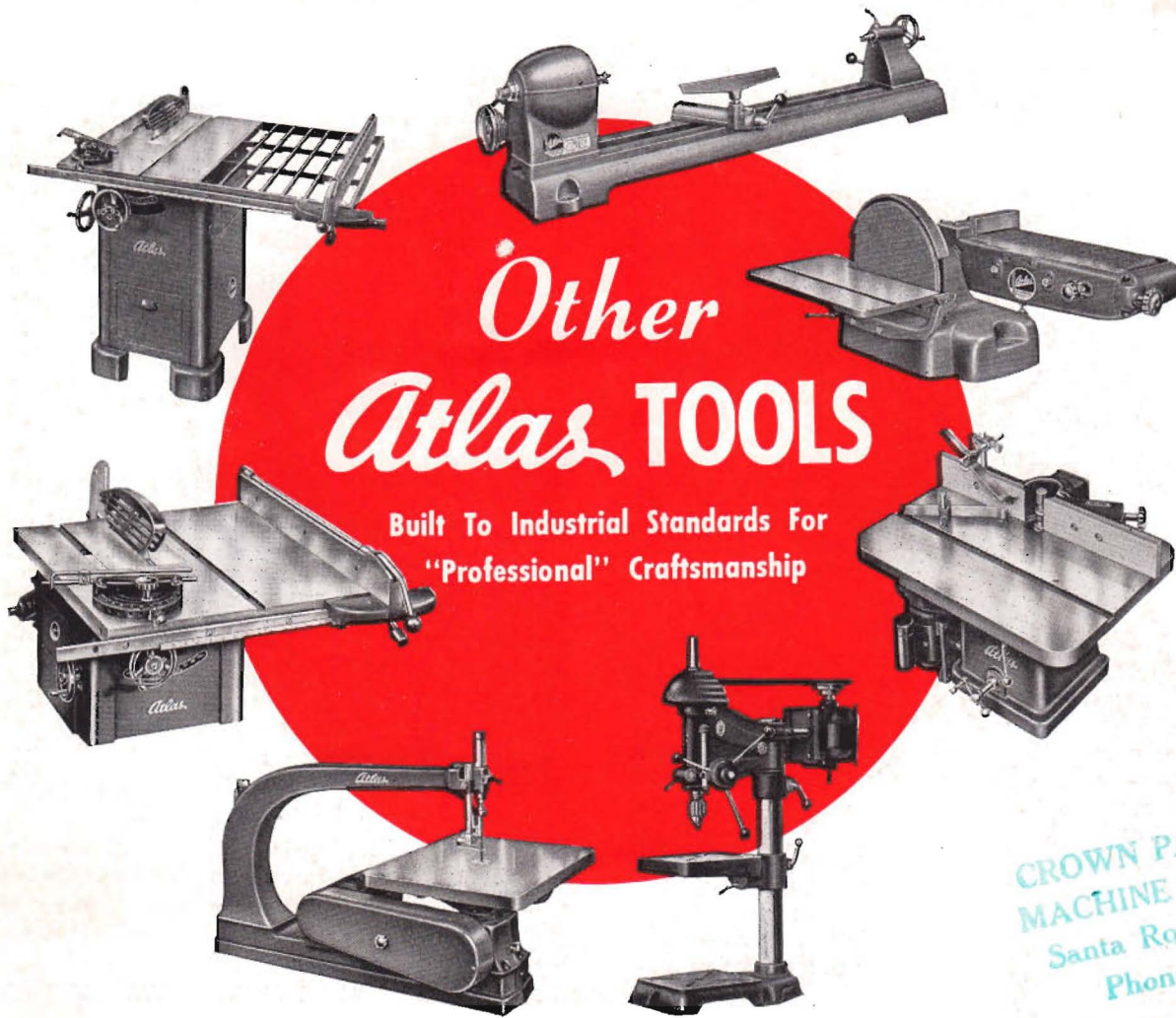
No. 3236 10" HOLLOW GROUND SAW BLADE. $\frac{5}{8}$ " hole. 2 $\frac{1}{2}$ lbs. Code YUKAV.

No. 3207 8" COMBINATION SAW BLADE. $\frac{5}{8}$ " hole. 2 lbs. Code YIWUD.

No. 3208 8" RIP SAW BLADE. $\frac{5}{8}$ " hole. 2 lbs. Code YIWYA.

No. 3209 8" CROSSCUT SAW BLADE. $\frac{5}{8}$ " hole. 2 lbs. Code YIZAB.

No. 3235 8" HOLLOW GROUND SAW BLADE. $\frac{5}{8}$ " hole. 2 lbs. Code YIZBA.



Other Atlas TOOLS

Built To Industrial Standards For
"Professional" Craftsmanship

CROWN PARTS &
MACHINE WORKS
Santa Rosa, Calif.
Phone 108

★ TILT/ARBOR SAWS

Atlas 8-inch and 10-inch circular saws have every feature essential to fine workmanship. Extra large work capacity — tilt/arbor construction for maximum safety, accuracy and efficiency on every type of cut — sealed ball-bearing equipped arbor for long service — rip fence that locks at both ends, releases instantly for positioning or removal, has Vernier control for fine adjustment — plus many other features that make Atlas today's outstanding saw values.

★ WOODTURNING LATHES

Heavy-duty lathes built for professional workmanship on every job, light or heavy. Features include 12" swing, 36" between centers, extra-heavy construction, precision-ground hollow spindle, deep-grooved ball bearings, lever controlled bed locks, 60-hole indexing mechanism, graduated tailstock spindle.

★ BELT AND DISC SANDERS

Produce a "professional" finish on woods, metals and plastics in a mere fraction of the time required to do the work by hand. Sand any width stock, angles, edges, curves. 10-inch disc, 4-inch belt, precision ball bearings, table tilts 45° both ways — table may be used with either disc or belt.

★ SPINDLE SHAPERS

Handle the complete range of shaping operations — from storm-and-screen sash work to picture frames and custom furniture—with maximum efficiency and accuracy. Solidly built with 15" x 21" table, stationary spindle — table raises and lowers, deep-grooved precision ball bearings, takes all cutters with 1/2" bore, easily transported.

★ DRILL PRESSES

Bench- and floor-type drill presses skillfully engineered to handle precision tapping, drilling and routing in metal — and such woodworking jobs as shaping, mortising, sanding, carving. Extra heavy head, table, column, base — exclusive "floating-drive" spindle, with deep grooved ball bearings — full tilting table.

★ JIG SAWS

Big-capacity machines with every feature essential to high production of quality sawing. 24" capacity — 14" x 14" table supported by two widely-spaced trunnions — table tilts 45° to right, 15° to left, indexes 90° to handle long stock — precision ball bearings — splash lubrication, with spring-loaded oil seals to prevent oil seepage — takes all blades and sabers up to 5/16" wide, machine files up to 1/4" shank.

See your Atlas Distributor or write for catalog.

CROWN PARTS &
MACHINE WORKS
Santa Rosa, Calif.
Phone 103



ATLAS PRESS CO., KALAMAZOO, MICH., U. S. A.

