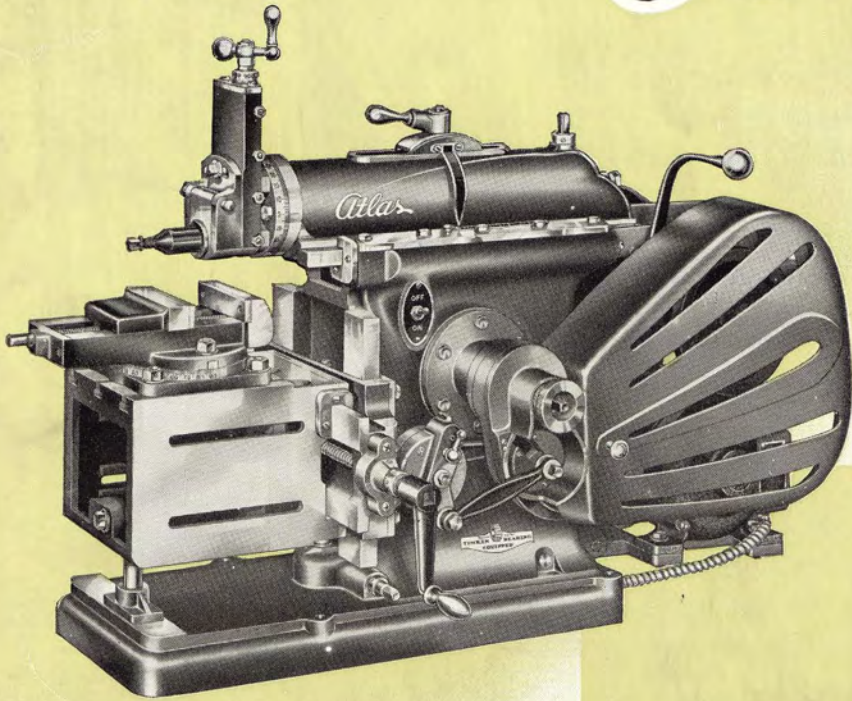


Atlas



CATALOG
NO. S43

SHAPERS



ATLAS PRESS COMPANY • KALAMAZOO • MICHIGAN • U • S • A

ON DOZENS OF SMALL JOBS YOU'LL SAVE WITH AN

Atlas

ARE you operating a large shaper for small jobs — tying up a big investment and paying high costs for set-up and operation — when the greater portion of your work requires a stroke of 7 inches or less?

The Atlas handles such jobs quickly, easily, and economically. It's compact — it's easy to set up and get in motion — it's fast, powerful, and accurate. Initial investment is extremely low and the 1/2 HP motor keeps operating costs at a minimum.

Here is a machine tool with all of the accuracy, power, strength, and versatility of larger shapers built down to scale for machining small work. Over two years were spent in designing the Atlas shaper, selecting the materials for its construction and testing it in operation. Today thousands of production shops report its remarkable efficiency on small work.

We believe you will find many ways to put this economical shaper profitably at work in your plant, either in the tool room or on production work where shaping is indicated. The following pages present complete construction details and specifications.



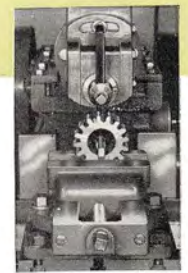
SQUARING SHAFTS



DOVETAILING



**VERTICAL CUTS
(Work in Vise)**



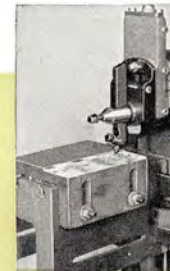
KEYSEATING



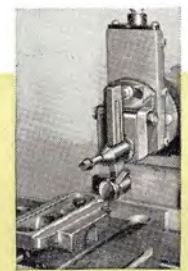
**VERTICAL CUTS
(Work Bolted to
Table Side)**



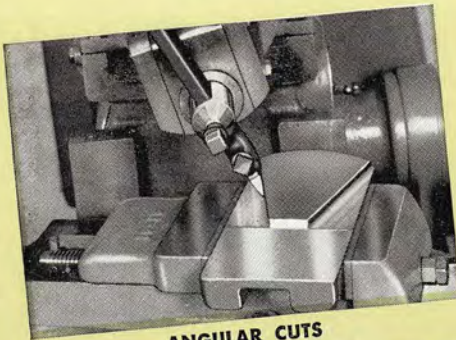
**HORIZONTAL CUTS
(Work in Vise)**



**HORIZONTAL CUTS
(Work Bolted to
Table Side)**



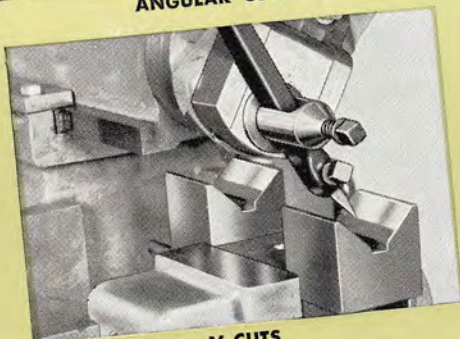
**HORIZONTAL CUTS
(Work Bolted to
Table Top)**



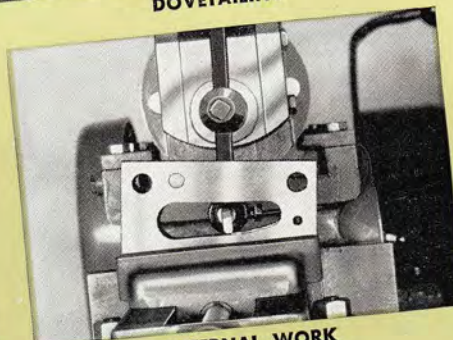
ANGULAR CUTS



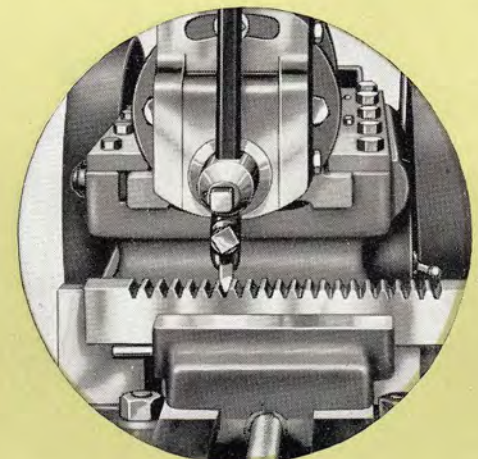
DOVETAILING



V-CUTS

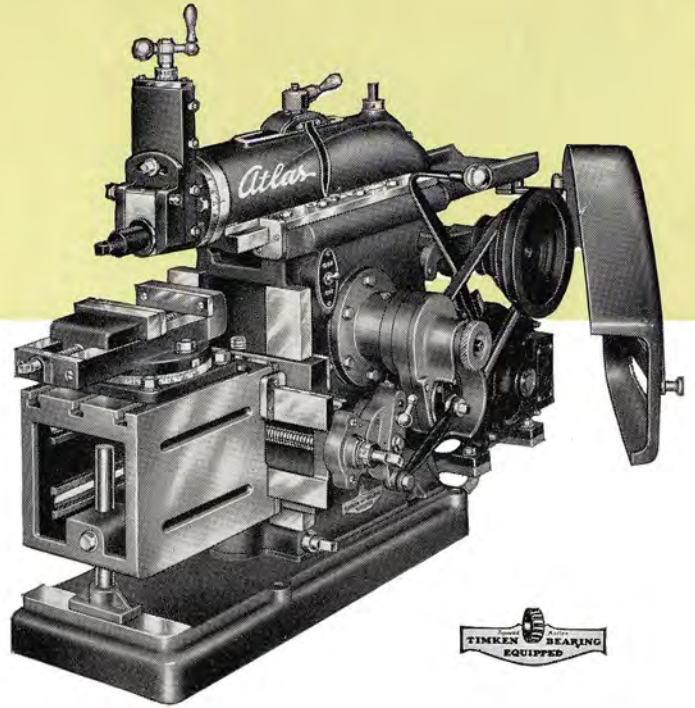
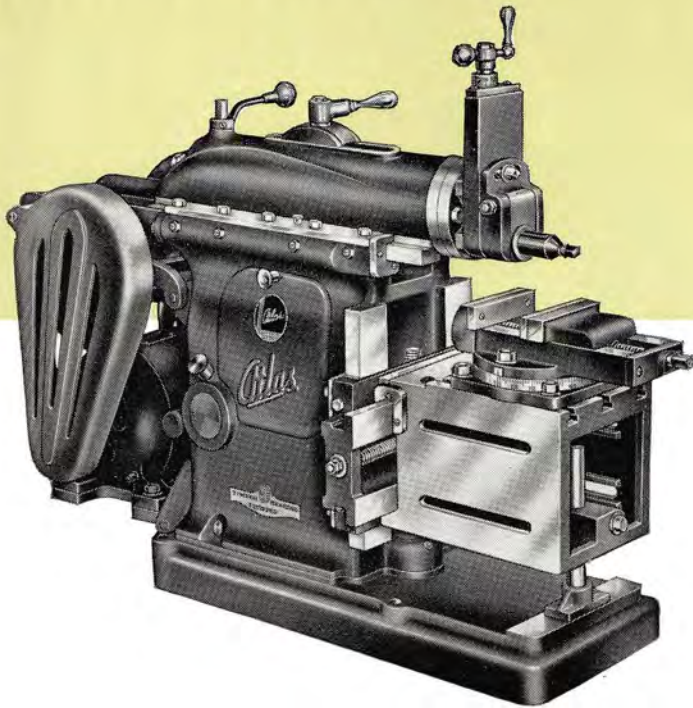


INTERNAL WORK



CUTTING RACK TEETH

THE *Atlas* 7 inch SHAPER



CONSTRUCTION FEATURES

THE Atlas Shaper incorporates the fundamental requirements of modern shaper design and construction — rigidity, accuracy, and power — and includes many features which insure working efficiency and ease of operation. The following description explains construction features. Notice

that bearing surfaces are unusually large with full provision for thorough lubrication and complete adjustment, and that carefully selected bearings are provided for all shafts. These fine bearings mean efficient, accurate performance, and long service life.

RIGIDITY To provide rigidity, the first shaper fundamental, heavy semi-steel iron castings are used for column, base, ram, tool head, cross rail, table and vise. Each of these parts is designed with adequate bracing, proper weight distribution, and extremely large bearing surfaces. This construction gives the Atlas shaper the rigidity and strength essential for durability and smooth performance.

ACCURACY The accuracy of the Atlas shaper is the result of modern Atlas methods of machining, assembling, and testing. Each part is machined on precision equipment of the latest design. Jigs and fixtures hold the part in exact position during machining, and each operation is inspected for uniformity and accuracy with precision tools and master gauges.

The ram bearing surfaces on the column guides and the cross rail ways bearing on the table are precision-ground and hand-fitted. The unusually large dimensions of these bearings plus provision for thorough lubrication serves to minimize wear. To maintain accuracy and rigidity these bearings have adjustable gibs, and bearing plates have shims with four .002" and two .001" laminations.

Careful inspection at every stage of assembly and thorough working tests of the completed shaper assure accuracy in handling the full range of shaper work.

POWER The crank-type ram-driving mechanism, powered completely by V belts from motor to bull-gear pinion shaft and provided with heavy-duty bearings for all shafts, transmits maximum power to the ram with a smooth even action at all speeds. This modern design permits use of a 1/2 HP motor with resultant savings in operating costs.

EASE OF OPERATION 4-step pulleys for countershaft and pinion shaft provide four speeds between 45 and 186 strokes per minute. The adjustable countershaft saves time in selecting and changing speeds. It is attached directly to the column within easy reach. The combination belt tension lever and brake permits stopping the ram without stopping the motor. A 15 ampere 110 volt on-off switch is built into the column casting in a handy position.

The stroke-length adjusting mechanism is operated easily with the hand crank and set with a grip-lock. The stroke-positioning control is conveniently located at the top of the ram. Length of stroke in inches is shown by an indicator on a graduated index plate. Direction of the automatic cross feed is shifted with a toggle pawl — five feeds between .005" and .025" per stroke are available in either direction. The crank handle furnished operates all controls; vise jaws, table elevation, hand cross feed, feed adjustment, stroke-length adjustment, and stroke positioning.

The Atlas

7 INCH SHAPER

COMPLETE SPECIFICATIONS

Length of Ram Stroke..... $\frac{1}{2}$ " to 7"
 Strokes per Minute.....45-78-122-186
 Cutting Speeds, Feet per Minute..... $3\frac{1}{2}$ to 116
 Table Travel..... $9\frac{3}{8}$ " horizontal, 5" vertical
 Maximum Distance Table to Ram..... $5\frac{1}{2}$ "
 Minimum Distance Table to Ram..... $\frac{1}{2}$ "
 Overall Dimensions.....17" x 36" x 26" high

RAM Length, less Tool Head.....17"
 Bearing in Column, total length.....24"
 Bearing in Column, total width..... $3\frac{3}{4}$ "
 Position Range.....4"

TOOL HEAD Diameter.....3"
 Length Feed..... $\frac{7}{16}$ " x $\frac{1}{8}$ " slot to take $\frac{3}{8}$ " tool bits
 Tool Post.....or holder for $\frac{1}{4}$ " tool bits (page 7)
 Graduated 0 to 50° right and left—Collar
 graduated in .001ths — Swivel Clapper.

V-BELT DRIVE UNIT Gear Ratio..... $5\frac{1}{3}$ to 1 — 1" Face
 Pinion Shaft and Countershaft Pulleys.....4-step, V-type
 Switch Built in Column.....15 ampere at 110 volts
 Switch is for single-phase current only — 3-phase
 current requires No. S7-300 switch (see page 7)

CROSS FEED Reversible — Power and Hand.
 Feeds Available, Both Directions......005, .010, .015,
 .020, .025 inches per stroke
 Crank Slot Adjustment for Setting Feeds.

CROSS RAIL Table Bearing, total length.....12"
 Table Bearing, total width..... $4\frac{1}{2}$ "
 Bearing on Column, total length.....12"
 Bearing on Column, total width.....6"

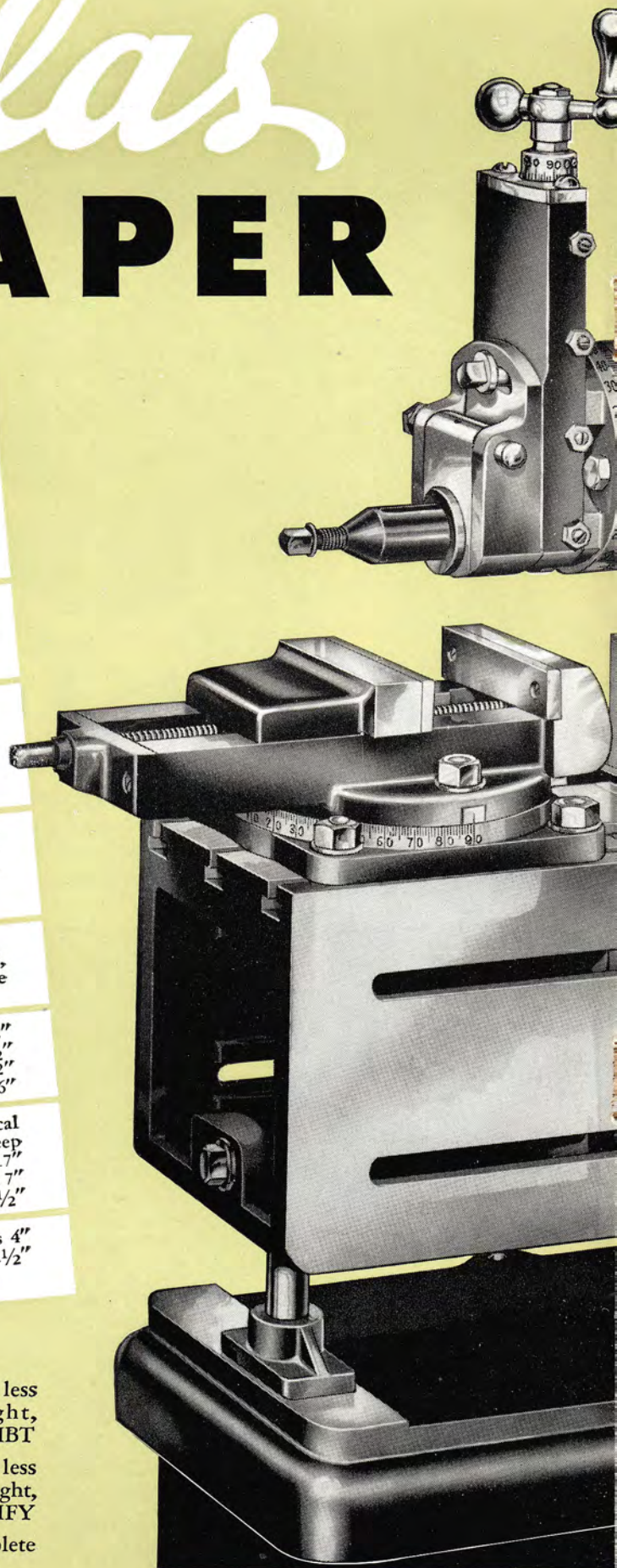
TABLE Travel..... $9\frac{3}{8}$ " horizontal, 5" vertical
 Overall Dimensions..... $8\frac{3}{4}$ " x 6" x 6" deep
 Finished Surface, length.....7"
 3 T-Slots on Top..... $\frac{3}{8}$ " x $\frac{3}{8}$ " x 7"
 2 Clamping Slots on each side..... $13\frac{1}{32}$ " x $5\frac{1}{2}$ "

WISE Jaw.....4" x $\frac{7}{8}$ "; opens 4"
 Screw Diameter..... $\frac{1}{2}$ "
 Swivel Base Graduated 0 to 90° Right and Left.

No. 7B ATLAS SHAPER Complete with Safety Guards, less
 Motor. Shipping Weight, 345 lb. Net Weight,
 270 lb.....Code word ZEIBT

No. 7AB ATLAS SHAPER without Safety Guards, less
 Motor. Shipping Weight, 330 lb. Net Weight,
 255 lb.....Code word ZEIFY

FURNISHED with Atlas Shaper: Vise, Countershaft, Complete
 V-belt Drive, Crank Handle, Wrenches, Operating Instructions.



**7 inch Stroke • 4 Speeds • 5 Automatic Cross Feeds
Complete V-Belt Drive • Crank Type Ram Drive**



COMPACT • RUGGED

ACCURATE • POWERFUL

The Atlas 7 INCH SHAPER

7 inch Stroke • 4 Speeds • 5 Automatic Cross Feeds
Complete V-Belt Drive • Crank Type Ram Drive

COMPLETE SPECIFICATIONS

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Strokes per Minute..... 45-78-122-186
Cutting Speeds, Feet per Minute..... $3\frac{1}{2}$ to 116
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Overall Dimensions..... 17" x 36" x 26" high

RAM
Length, less Tool Head..... 17"
Bearing in Column, total length..... 24"
Bearing in Column, total width..... $3\frac{3}{4}$ "
Position Range..... 4"

TOOL HEAD
Diameter..... 3"
Length Feed..... $\frac{7}{16}$ " x $1\frac{1}{8}$ " slot to take $\frac{3}{8}$ " tool bits
Tool Post..... or holder for $\frac{1}{4}$ " tool bits (page 7)
Graduated 0 to 50° right and left—Collar graduated in .001ths — Swivel Clapper.

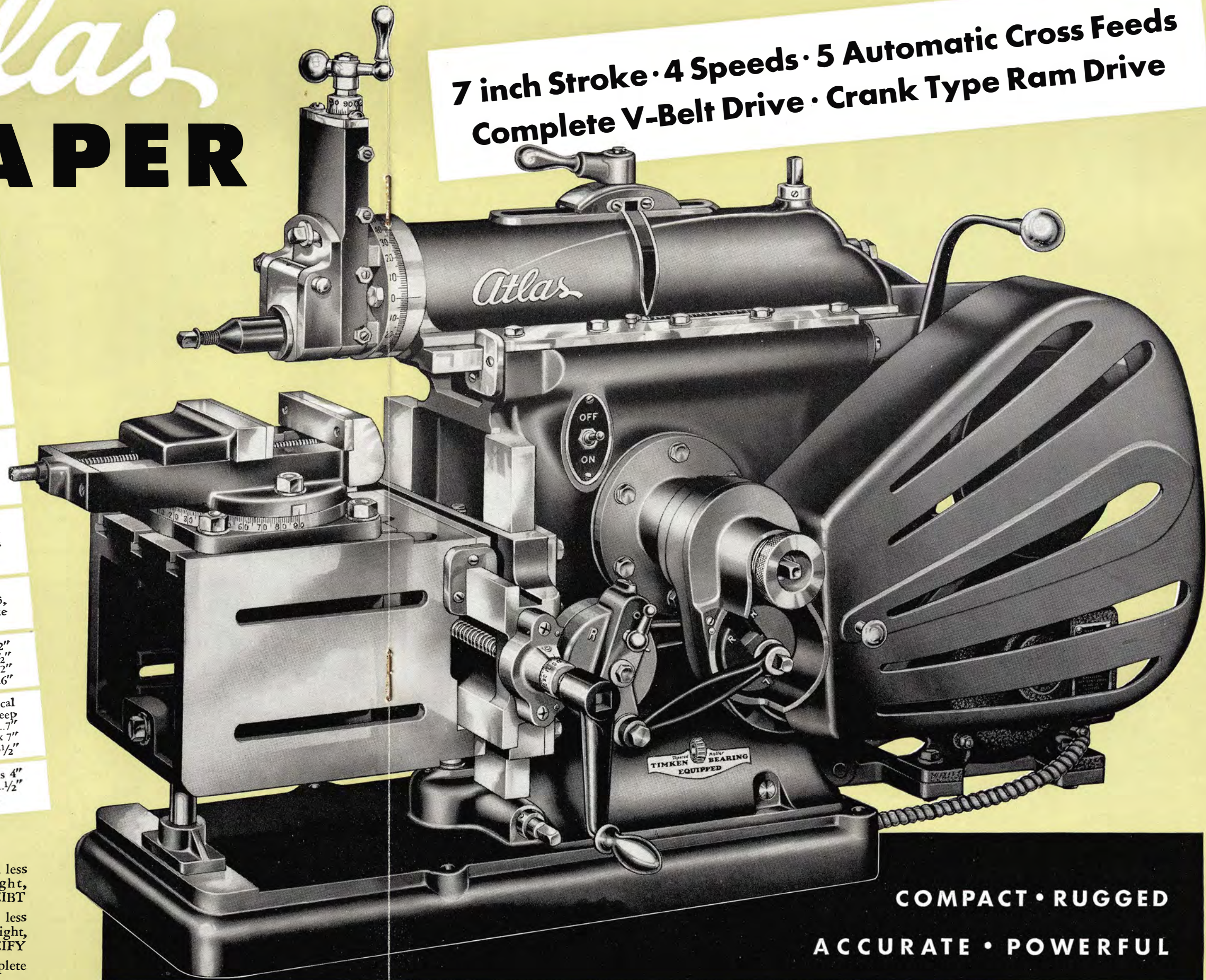
V-BELT DRIVE UNIT
Gear Ratio..... $5\frac{1}{3}$ to 1 — 1" Face
Pinion Shaft and Countershaft Pulleys..... 4-step, V-type
Switch Built in Column..... 15 ampere at 110 volts
Switch is for single-phase current only — 3-phase current requires No. S7-300 switch (see page 7)

CROSS FEED
Reversible — Power and Hand.
Feeds Available, Both Directions..... .005, .010, .015, .020, .025 inches per stroke
Crank Slot Adjustment for Setting Feeds.

CROSS RAIL
Table Bearing, total length..... 12"
Table Bearing, total width..... $4\frac{1}{2}$ "
Bearing on Column, total length..... 12"
Bearing on Column, total width..... 6"

TABLE
Travel..... $9\frac{3}{8}$ " horizontal, 5" vertical
Overall Dimensions..... $8\frac{3}{4}$ " x 6" x 6" deep
Finished Surface, length..... 7"
3 T-Slots on Top..... $\frac{3}{8}$ " x $\frac{5}{8}$ " x 7"
2 Clamping Slots on each side..... $1\frac{13}{32}$ " x $5\frac{1}{2}$ "

WISE
Jaw..... 4" x $\frac{7}{8}$ "; opens 4"
Screw Diameter..... $\frac{1}{2}$ "
Swivel Base Graduated 0 to 90° Right and Left.



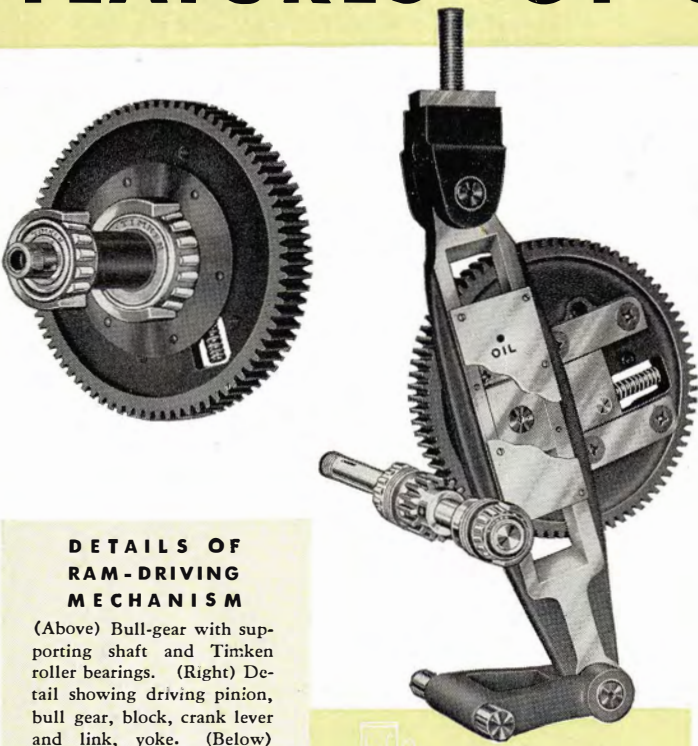
No. 7B ATLAS SHAPER Complete with Safety Guards, less Motor. Shipping Weight, 345 lb. Net Weight, 270 lb. Code word ZEIBT

No. 7AB ATLAS SHAPER without Safety Guards, less Motor. Shipping Weight, 330 lb. Net Weight, 255 lb. Code word ZEIFY

FURNISHED with Atlas Shaper: Vise, Countershaft, Complete V-belt Drive, Crank Handle, Wrenches, Operating Instructions.

COMPACT • RUGGED
ACCURATE • POWERFUL

FEATURES OF CONSTRUCTION —



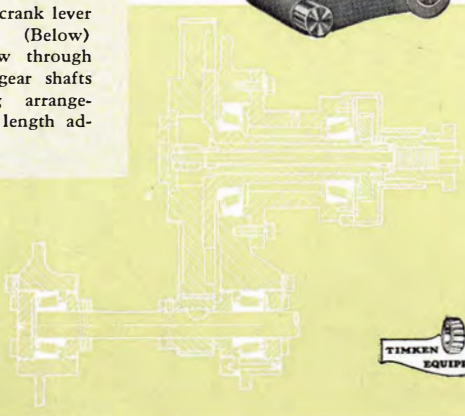
RAM DRIVING MECHANISM

Leverage design assures maximum power. The bull-gear is semi-steel iron with 10 pitch teeth and 1 inch face. Crank arm is special nickel-chrome-vanadium alloy steel, milled and parallel-ground on outer surfaces and milled and lapped on the inner "slide." Upper crank pin runs on oilite bronze bearings. The stroke-positioning screw, crank pin, and slide are lubricated through a wick oiler in the ram clamp screw

handle. Block is wear-resisting super-oilite. The bull-gear is supported by two heavy-duty Timken tapered roller bearings, one housed in the cast iron flange adjacent to the bull-gear and the other at the outer end of the bull-gear sleeve. These fine bearings take extremely heavy radial loads and absorb all end thrust. An oiler at the top

DETAILS OF RAM-DRIVING MECHANISM

(Above) Bull-gear with supporting shaft and Timken roller bearings. (Right) Detail showing driving pinion, bull gear, block, crank lever and link, yoke. (Below) Cross-section view through pinion and bull-gear shafts showing bearing arrangement and stroke length adjustment.



DETAILS OF

COUNTERSHAFT. The adjustable V-belt countershaft and the motor base are attached directly to the column, making the Atlas shaper a single compact unit. The countershaft bracket is slotted for belt stretch adjustment. Hardened and ground countershaft spindle turns on roller bearings.

An extra V-drum on the countershaft pulley and a brake shoe at the end of the adjusting lever converts this lever into a combination belt tension lever and brake to stop the ram without stopping the motor. All belts and pulleys are fully enclosed with modern safety guards. Pulleys are balanced.

V-BELT DRIVE. Complete V-belt drive from motor to pinion shaft. 4-step countershaft and pinion-shaft pulleys provide four speeds between 45 and 186 strokes per minute (3 1/2 and 116 surface feet per minute).

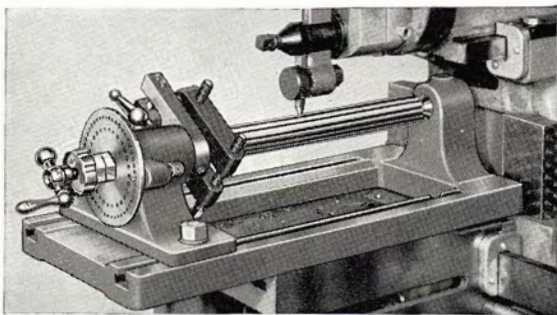
STROKE-LENGTH ADJUSTMENT. Hand crank controls the tobin bronze 45° helical gears operating the stroke-adjusting screw (acme thread). A tobin bronze nut on this screw adjusts the position of the crank throw-block. Mechanism is set with griplock.

TOOL HEAD. The tool head is locked rigidly to the accurately machined ram head. The special locking mechanism consists of a steel anchor and anchor disc, pivoted on an over-sized steel stud clamped to the tool post swivel with two cap screws. The base of the tool post is graduated 0 to 50° both ways. The tool post slide has dovetail ways with full gib adjustment—gib screws have lock nuts. The vertical feed screw has acme threads, ball crank control, and micrometer-graduated collar with take-up adjustment. The clapper head can be swiveled both ways to provide proper tool clearance—tapered mounting pin simplifies take-up for wear.

CROSS RAIL. The large cross-rail way guides bearing on the column are accurately machined and hand-fitted. The ways bearing on the table are precision ground and hand-fitted. Both bearing surfaces have full take-up adjustment by means of gibs and laminated shims—gib screws have lock nuts.

TOOLS AND ACCESSORIES

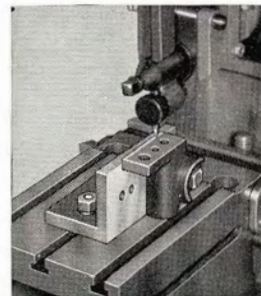
ROTARY INDEX TABLE



(Below) For quick, accurate spacing and dividing operations. Table is precision ground on all surfaces and has three T-slots for positioning and locking work—can be swiveled to any angle and locked with two bolts to circular T-slots in base. Holes spaced around the side of the table permit indexing the table rigidly every 30° with plunger and knob. The swivel base is graduated 0 to 90° left and right.

No. S7-420 ROTARY INDEX TABLE for Atlas shaper, with four base-clamping bolts and wrench. Code word ZEHOC, weight 14 lb.

Table Diameter	5 1/2"
Height to Top of Table	1 7/8"



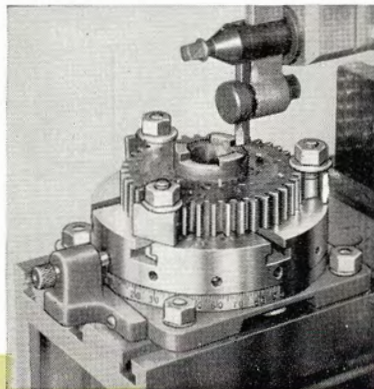
INDEX CENTERS

For dividing operations required in such work as splining, fluting, gear cutting, and squaring shafts. Heavy base casting is held to T-slots in shaper table by socket-head cap screws—support for inner center is cast with base. Outer center support may be positioned for work up to 8 inches long and is locked securely by bolts which travel in two T-slots of base. Adjustable center is operated by screw with ball crank. Two index plates are furnished, each with two circles of indexing holes engaged by a lock pin through the center support. Center and index plate are locked in position by coordinate clamp.

No. S7-400 INDEX CENTERS for Atlas shaper. Code word ZEHIB, weight 21 pounds.

Maximum distance between centers	8"
Maximum swing	5 1/2"
Base dimensions	14 1/4" x 6" x 7/8" thick

FURNISHED: Two index plates (30 and 36 holes, 28 and 48 holes); 1 3/4" clamp dog, dog driver, bolts.



ANGLE PLATE

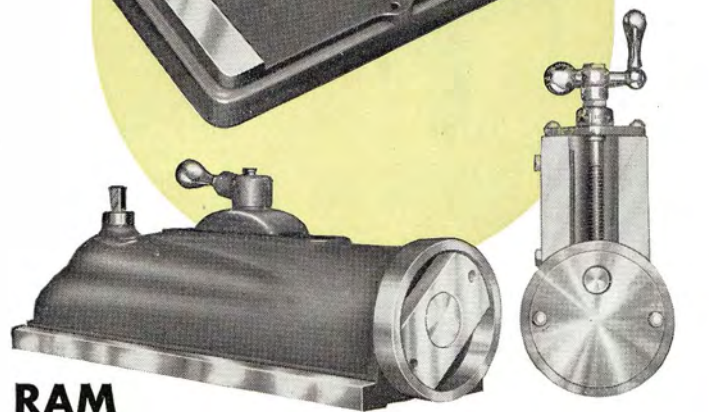
Holds irregular shapes which cannot be gripped in shaper vise or bolted to table. Solid well-braced iron casting, accurately machined and precision ground on outer faces. Working face has four holes for bolting work. Base has two holes for bolting to table T-slots. Base and face each measure 2 1/2" x 4" x 1 5/8".

No. S7-430 ANGLE PLATE with bolts. Code ZEHUD, wt. 3 lb.

THE Atlas 7 inch SHAPER

The massive box-type column of the Atlas shaper is heavily ribbed and braced. The cross rail ways and guides for the ram ways are cast integral with the column. The heavy base casting is ribbed and reinforced, and has a ground bearing for the table brace pin. Cross rail ways are precision ground. Bearing bosses for the bull-gear pinion and crank-lever link shafts are bored and line-reamed. The fully enclosed ram-driving mechanism is easily accessible for lubrication through a panel in the left side of the column. A convenient on-off switch (15 ampere, 110 volt) is built into the column casting. Wipers at the front of the column keep ram ways clean at all times. Flexible metal conduit and motor connector cord are furnished. Special switch is required for 3-phase current—see No. S7-300 below.

COLUMN



RAM

The massive streamlined ram is unusually heavy. The ram ways are wide and thick, bearing on the tops, sides, and bottoms of the guides. They are precision ground and hand-fitted. Oil grooves in the column guides form a reservoir assuring thorough lubrication of the ram ways through their entire length. An oil pan is provided to catch drippings from ram ways. The length of stroke in inches is shown by an indicator on a graduated index plate. Stroke-positioning control at the top of the ram operates screw through two mitre gears—a thrust collar provides full take-up. Lock handle and clamp secures ram to crank-lever yoke.

of the flange permits thorough lubrication. The large housing for the bull-gear spindle is bored, counterbored, line-reamed, and faced—six large cap screws hold it securely to the column. Each end of the bull-gear pinion shaft runs on a Timken tapered roller bearing lubricated through a capped oiler. Crank-lever link shaft bearing and crank-lever link pin bearings are oilite bronze.

CONSTRUCTION

TABLE AND VISE. The box-type table is supported rigidly by the large square ways of the cross rail and a 3/4" brace pin at the outer end. This pin can be adjusted and locked securely to brace the table at any height—a ground "runner pad" on the base casting provides a smooth bearing surface when table is fed horizontally. Table has three T-slots in its top for the vise or work and two slots in each side for bolting work—interiors of the side slots are ribbed to prevent bolt-turning. Top of the table is given its final finish cut by the shaper itself—table sides are precision ground. Table elevating screw, operated by the crank control, has acme threads, tobin bronze helical gears, and tobin bronze nut. Two wipers, one at each side of the table, have neoprene pads to clean the ways and felt pads to hold oil.

Base of the vise is machined for accurate alignment with the ram ways and has key for center T-slot of table. Vise can be swivelled and locked at any angle, and base is graduated 0 to 90° both ways. Vise jaws have steel insert plates. Screw has acme threads, tobin bronze nut, and take-up adjustment. Vise is furnished as standard equipment.

AUTOMATIC CROSS FEED. The automatic cross feed is engaged by a toggle pawl controlling a fully enclosed steel ratchet gear. Five feeds are available in either direction: .005, .010, .015, .020, and .025 inches per stroke. The complete cross feed mechanism consists of a feed gear on the bull-gear spindle, a slotted gear for adjusting feed per stroke, and the ratchet gear connected through two pitman rods to the cross slide feed gear. Feed screw has acme threads, micrometer graduated collar, and runs on oilite bearings.

The crank handle furnished operates all controls: vise jaws, table elevation, hand cross feed, feed adjustment, stroke length adjustment, and stroke positioning. All controls are within easy reach. Motor mounting base has adjustment for belt tension.

The Atlas shaper is designed to be run from a 1/2 HP 1740 RPM motor (below).

FOR THE Atlas SHAPER

MOTORS

The 1/2 HP 1740 RPM motors listed below are recommended for Atlas shapers. No. 2530A is single phase capacitor start, developing full power instantly under load without drawing excess current.

SINGLE PHASE MOTOR

No. 2530A 1/2 HP 1740 RPM SINGLE PHASE CAPACITOR-START BALL BEARING MOTOR. 110/220 volt 60 cycle, 1/2" single-end shaft, BX approved cord and plug. Code WYZIC, weight 38 pounds.....

THREE PHASE MOTOR

The Atlas No. 2620S motor is 1/2 HP 1740 RPM, designed for three phase current. It is 220 volt 60 cycle—has SKF ball bearings, 1/2" single-end shaft, BX connector in terminal box. Does not have switch, cord or plug.

No. 2620S 1/2 HP 1740 RPM THREE PHASE BALL BEARING MOTOR. Code ZEWRO, weight 35 pounds.....

THREE PHASE SWITCH

No. S7-300 thermal overload 3-pole manual starter switch is required for 3-phase circuits. Bracket for bench mounting and flexible cable-covered motor cord furnished.

No. S7-300 THREE PHASE SWITCH. Code ZEBAR. Weight 6 pounds.

TOOL HOLDER

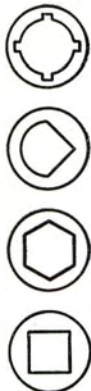


For All Angles

No. S7-139 SHAPER TOOL HOLDER with 1/4" tool bit. Code WYVZO, weight 2 pounds

A rigid holder for working at all angles. The head can be swiveled to any one of 8 positions and locked with the extra large clamp screw—correct clearance is provided with head in any position. Furnished with one high speed 1/4" cutter bit.

EXTENSION TOOL

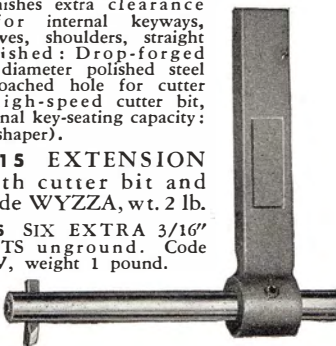


Designed especially for the Atlas shaper—furnishes extra clearance required for internal keyways, splines, grooves, shoulders, straight work. Furnished: Drop-forged holder, 1/2" diameter polished steel bar with broached hole for cutter bit, 3/16" high-speed cutter bit, wrench. Internal key-seating capacity: 5 1/2" (Atlas shaper).

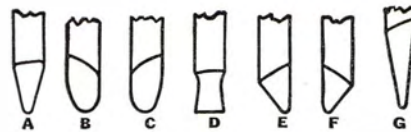
No. S7-315 EXTENSION TOOL with cutter bit and wrench. Code WYZZA, wt. 2 lb.

No. M6-3865 SIX EXTRA 3/16" CUTTER BITS unground. Code word YEZAV, weight 1 pound.

← Cuts Many Shapes



CUTTER BITS



High speed steel 1/4"x1/4" cutter bits ready-ground for use in tool holder at left. Complete set of seven handles wide range of operations. Identify by letters. 3/4" unground bits for shaper tool post are also listed below. Weight 2 oz. each.

No. S7-386 SET OF 7 FORMED CUTTER BITS 1/4" x 1/4". Includes shapes shown above. Code word ZEDEV, weight 1 pound.

Key Letter	Order No.	Description	Code
A	S7-386A	Roughing, Rd. Nose	ZEDOY
B	S7-386B	Offset Roughing, RH	ZEDTA
C	S7-386C	Offset Roughing, LH	ZEDUZ
D	S7-386D	Broad Finishing	ZEDVE
E	S7-386E	Bottom Roughing, RH	ZEDYO
F	S7-386F	Bottom Roughing, LH	ZEEBS
G	S7-386G	Narrow Dovetailing	ZEECT

Unground Cutter Bits

No.	Size	No. in Set	Wt. (set)	Code
3865	1/4"	6	8 oz.	YARKE
3867	3/8"	12	1 lb.	YARMO
3855	3/8"	6	12 oz.	YARPY

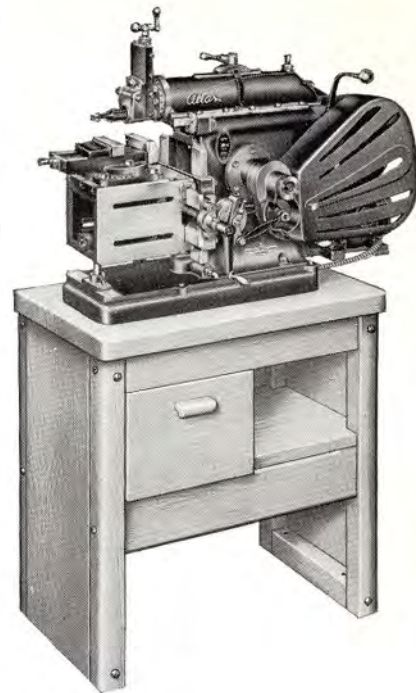
FLOOR STAND

The No. S7-442C floor stand provides a rigid machine foundation for accurate shaper work. The legs are massive iron castings with heavy cross braces—*legs alone weigh 95 pounds*. Table and shelf are 1 5/8" thick, thoroughly seasoned, shellacked and varnished — the shelf board is a handy place for tools and wrenches. Stand is shipped completely assembled. Overall: 14" x 26" x 33 1/2" high — ordering information below at left.

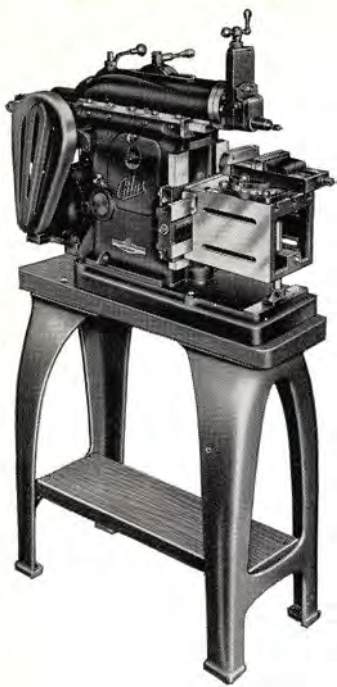
FLOOR CABINET

No. M1-750 floor cabinet is a rigid shaper support with convenient covered compartments for tools and accessories. Massive solid-hardwood construction of all principal parts is patterned after heavy-duty scientific laboratory furniture. All frame joints are glued, screwed and bolt-reinforced. Overall height is 31 3/4", and table board measures 30" x 18" x 1 5/8".

Two roomy cupboards are 8 1/4" high — right-hand cupboard is open-front, and left cupboard has pull-down door with catch at horizontal position. Entire cabinet is round-cornered and natural-finished for modern attractive appearance. Each corner has hole for bolting cabinet to floor.



No. M1-750 HARDWOOD FLOOR CABINET for Atlas shaper, as shown. Code word ZEWEP, weight 140 pounds.....

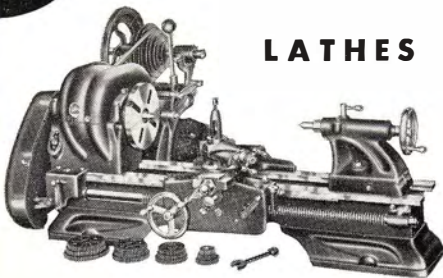


No. S7-442C FLOOR STAND for Atlas Shaper, as shown. Code word ZEHEZ, weight 138 pounds.



AN ECONOMICAL APPROACH TO A WIDE RANGE OF WORK

LATHES



The Atlas F-Series 10" backgeared screw-cutting lathe fills every need as the basic multi-purpose machine tool for tool room and production shop. It is rugged, accurate, powerful. Features: precision-ground bed ways, backgeared power, custom-built spindle bearings, instantly reversible power cross feed and longitudinal feed, wide threading range (4 to 96 per inch), 16 speeds between 28 and 2072 RPM, complete V-belt drive.

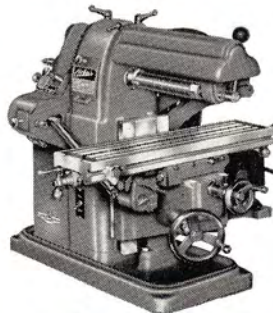
Equipped with lever-type collet chuck, tailstock and carriage turrets, the Atlas lathe becomes a compact hand screw machine for rapid small-parts production.

"MATCH THE MACHINE TO THE JOB — use fast precision bench tools to take over the production of small parts so that capacities of larger machines will not be wasted."

That Atlas idea is helping thousands of plants, large and small, step up production efficiently and economically. There are Atlas tools for every machining operation — lathes, drill presses, arbor presses, shapers, milling machines, grinders, motors and equipment. Can this idea of matching the machine to the job be helpful in your plant?

MILLING MACHINES

Compact, powerful, Timken-equipped bench millers for tool room and production. Backgeared power, complete V-belt drive, 12 spindle speeds. Precision-ground table 4 1/2" x 18", longitudinal table travel 10", cross travel 3 1/2". Three models available; hand-operated controls, rapid-production levers, or the "Change-O-Matic" for instant selection of automatic feeds.



DRILL PRESSES

The well-known Atlas floating-drive spindle design equipped with four SKF ball bearings insures long, accurate service under the toughest operating conditions. Savings as high as 60% on small-hole drilling and tapping production are being made with Atlas 15" drill presses. Bench or floor-type, chuck capacity 1/2".

Atlas multiple spindle drill presses speed up production of any part requiring a series of drilled and tapped holes. Heads have Atlas-SKF floating drive. Massive oil table; special head-positioning mechanism; 2, 3 or 4 spindles.



FOR *Atlas*
EQUIPMENT
SEE—

THE ADAMS-BARRE CO.
1244 N. High Street
COLUMBUS 1, OHIO





Kalamazoo, Michigan

April 1, 1943

PRICE LIST FOR *Atlas* 7-INCH SHAPER AND ACCESSORIES

SHOWN AND LISTED IN CATALOG NO. 543

These prices conform to the 1942 Emergency Price Control Act and confirm previous Atlas price list dated August 25, 1941. All are F.O.B. factory, Kalamazoo, Michigan, U.S.A.

ORDER NUMBER	DESCRIPTION	Code Word	PRICE	Page No. Catalog No. 543
7B	Atlas Shaper complete with safety guards, less motor.....	ZEIBT	\$325.00	4
7AB	Atlas Shaper less safety guards and motor.....	ZEIFY	310.00	4
57-420	Rotary Index Table for Atlas Shaper.....	ZEHOC	34.00	6
57-400	Index Centers for Atlas Shaper.....	ZEHIB	39.35	6
57-430	Angle Plate for Atlas Shaper.....	ZEHUD	6.00	6
2530A	½ HP 1740 RPM Single Phase Capacitor-Start Ball Bearing Motor.....	WYZIC	27.50	7
26205	½ HP 1740 RPM Three Phase Ball Bearing Motor.....	ZEWRO	28.50	7
57-300	Three Phase Motor Control Switch with mounting bracket, etc.....	ZEBAR	16.50	7
57-139	Shaper Tool Holder with bit.....	WYVZO	5.25	7
57-315	Shaper Extension Tool with cutter bit and wrench.....	WYZZA	6.00	7
M6-3865	Set of Six 3/16" Unground Cutter Bits.....	YEZAV	.55	7
57-386	Set of Seven ¼" Formed Cutter Bits.....	ZEDEV	3.30	7
57-386A	Round Nose Roughing Bit.....	ZEDOY	.55	7
57-386B	RH Offset Roughing Bit.....	ZEDTA	.55	7
57-386C	LH Offset Roughing Bit.....	ZEDUZ	.55	7
57-386D	Broad Finishing Bit.....	ZEDVE	.55	7
57-386E	RH Bottom Roughing Bit.....	ZEDYO	.55	7
57-386F	LH Bottom Roughing Bit.....	ZEEBS	.55	7
57-386G	Narrow Dovetailing Bit.....	ZEECT	.55	7
3865	Set of Six ¼" Unground Cutter Bits.....	YARKE	1.15	7
386T	Set of Twelve ¼" Unground Cutter Bits.....	YARMO	2.20	7
3855	Set of Six ⅜" Unground Cutter Bits.....	YARPY	2.80	7
57-442C	Floor Stand for Atlas Shaper.....	ZEHEZ	24.25	8
M1-750	Floor Cabinet for Atlas Shaper.....	ZEWEP	49.95	8

