



LIGHT-HEAVYWEIGHT MACHINE TOOLS

sold by:



WALKER-TURNER DIVISION

ROCKWELL MANUFACTURING COMPANY

400 N. LEXINGTON AVENUE

PITTSBURGH 8, PENNSYLVANIA

famous

WALKER-TURNER MACHINE TOOLS

have proven their superiority in
thousands of applications
throughout the world

Your Walker-Turner Franchised Distributor will show you how "Light-Heavyweights" will increase production and lower costs for you. Take advantage of his years of experience in equipping all kinds of operations—large and small—with economical Walker-Turner Machine Tools.

MANUFACTURERS

COMMERCIAL SHOPS

FABRICATORS

MACHINE SHOPS

SCHOOLS

FOUNDRIES

The right is reserved to make changes in design or equipment of any item, without incurring any obligation to make such changes on machines previously sold, and to discontinue models of machines, motors or accessories at any time without notice.



WALKER-TURNER

DIVISION



Rockwell MANUFACTURING COMPANY • Pittsburgh 8, Pennsylvania

YOU get all these advantages
with every
WALKER-TURNER
MACHINE TOOL...

1

LOWER COSTS!

Rugged, economical Walker-Turner Machine Tools replace expensive fixed machinery often saving as much as 500% per unit. Low operating costs plus a long record of trouble free operation assure continuous savings.

2

INCREASED PRODUCTION!

Machine operators will increase output on Walker-Turner Machines because of their simplicity of set-up and operation. Convenient controls add to operator comfort . . . reduce fatigue . . . speed up production.

3

PRECISION ACCURACY!

Walker-Turner "Light-Heavyweight" Machine Tools are precision engineered for accurate operation . . . ruggedly built to maintain their accuracy through years of continuous service.

4

GREATER VERSATILITY!

Every Walker-Turner Tool is designed to perform many operations accurately and quickly. In addition, specialized set-ups are easy using Walker-Turner basic machine components.

5

EXTRA CONVENIENCE!

Move compact, portable Walker-Turner "Light-Heavyweights" right to the job . . . in and out of the production line as required. This means reduced material handling, increased production and more efficient use of floor space.

6

ADDITIONAL SAFETY!

Advanced safety features are built into every Walker-Turner Machine Tool for added operator protection. This safety engineered construction makes them excellent machines for student or trainee instruction.

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20" DRILL PRESSES

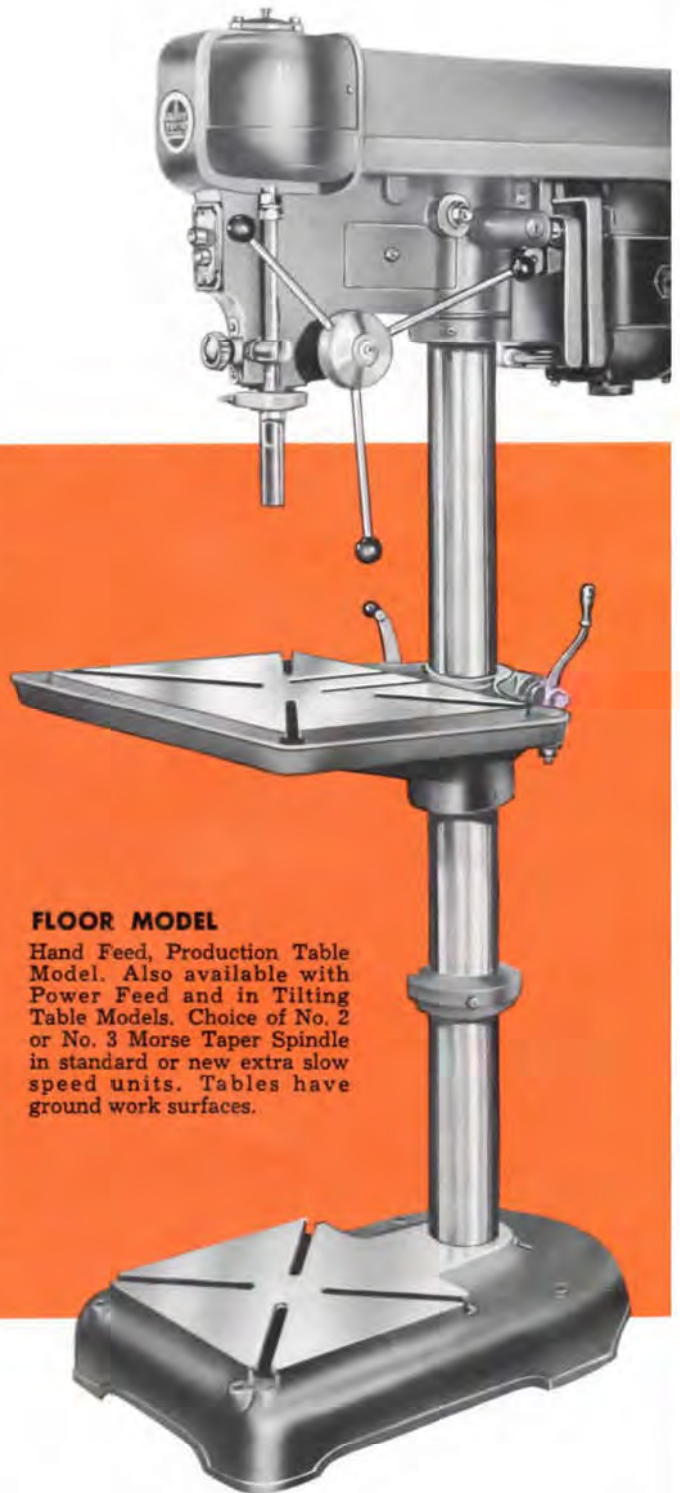
These big capacity "Light-Heavyweights" provide the ruggedness, versatility and performance required for accurate production drilling under heavy work loads. Their low investment and maintenance costs have saved thousands of dollars in all types of drilling operations—repair shops, tool rooms, maintenance shops, experimental departments and all kinds of production operations.

The Walker-Turner 20" Drill Press features a massive, one piece head, rugged column, big 6" travel, ten spline spindle and a giant 2³/₈" diameter quill.

Five row bearing spindle construction, wear adjustment controls and precision engineering throughout assure continuous accuracy on a 24-hour schedule, month after month, year after year.

Big capacity—drills up to 1" diameter holes in cast iron—plus an unusually wide speed range—make these "Light-Heavyweights" ideal for use throughout every shop. Use them right in the production line to relieve existing production problems and to speed up production in your operation. Frequently, they replace heavier, fixed machinery costing much more.

Walker-Turner 20" Drill Presses are available in 64 basic models. You can choose from floor, bench, multiple spindle units or drill heads only with hand or revolutionary new 'up-front' power feed, No. 2 or No. 3 Morse Taper Spindle, in standard or new extra-slow speed models equipped with the new planetary gear spindle pulley.



FLOOR MODEL

Hand Feed, Production Table Model. Also available with Power Feed and in Tilting Table Models. Choice of No. 2 or No. 3 Morse Taper Spindle in standard or new extra slow speed units. Tables have ground work surfaces.

SPECIFICATIONS

OVERALL DIMENSIONS

Floor Model	
Height	74"
Width	22"
Front to rear	34 ¹ / ₂ "
Bench Model	
Height	55"
Width	23"
Front to rear	40 ¹ / ₂ "

CAPACITIES

Column to center of drill	10"
Dia. hole in cast iron	1"
Dia. hole in steel	3/4"

QUILL

Diameter	2 ³ / ₈ "
Stroke (Hand Feed Model)	0 to 6"
Stroke (Power Feed Model)	1 ¹ / ₂ " to 6"

COLUMN

Diameter	3 ³ / ₄ "
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SPINDLE SPEEDS

STANDARD SPEED MODELS:

Hand and Power Feed	{	w/1725 RPM Motor	5 speeds: 500 to 2600 rpm
		w/1140 RPM Motor	

EXTRA SLOW SPEED MODELS:

Hand Feed	{	w/1725 RPM Motor and 5-Step Planetary Gear Spindle Pulley	10 speeds: 165 to 2600 rpm
		w/1140 RPM Motor and 5-Step Planetary Gear Spindle Pulley	
Power Feed	{	w/1725 RPM Motor and 4-Step Planetary Gear Spindle Pulley	8 speeds: 165 to 1800 rpm
		w/1140 RPM Motor and 4-Step Planetary Gear Spindle Pulley	

SPINDLE FEEDS

Power Feed Model...004, .006, .009, .012 in. per rev

FEED PRESSURE

Power Feed Model...Infinitely adjustable—0 to max capacity of machine

TABLE WORKING SURFACE

Production (supplied w/Single Spindle Floor Models)	15" x 11"
Tilting Table (supplied w/Single Spindle Floor Models)	16" x 11"

BASE WORKING SURFACE

Floor Model	13 ¹ / ₂ " x 14 ³ / ₄ "
Bench Model	18" x 21"



SELECT FROM 64 MODELS

Hand or New Power Feed—Single or Multiple Spindle—
No. 2 or No. 3 Morse Taper — Standard or Extra-Slow Speed

BENCH MODELS

New power feed model illustrated. Also available in hand feed model. Choice of No. 2 or No. 3 Morse Taper spindle with or without new planetary gear spindle pulley for extra-slow drilling speeds. Complete with production table with big 24" x 18" work surface.



MULTIPLE SPINDLE MODELS

Choice of 2, 3, 4, 6 or any number of spindles, hand or power feed, standard or extra-slow speed, No. 2 or No. 3 Morse Taper Spindle. Complete with production table.

Walker-Turner Multiple Spindle Drill Presses may be ordered as units or as component parts for arrangement in special production line sequence to meet your exact requirements. Legs are included as standard equipment with all multiple spindle models.

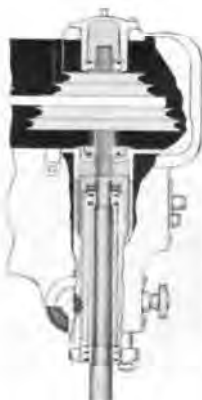


DRILL HEADS FOR OVERHEAD MODELS AND FOR SPECIAL SETUPS

Using the basic Drill Head Models, the No. 20-661 Raising Mechanism and the No. 20-623 Column and the Ball Bearing Carriage Assembly you can readily build a versatile overhead set-up. Mounted on a jib crane or similar type of track the unit is especially practical for drilling large or heavy work or where 360° rotation is desired.

Because of their adaptability and big capacity, the drill heads can also be effectively used in special set-ups to solve radial, angular, horizontal and other particular drilling problems.

WALKER-TURNER 20" DRILL PRESSES PROVIDE THESE IMPORTANT PRODUCTION FEATURES



RUGGED PRECISION SPINDLE CONSTRUCTION

—Five rows of bearings, including a double row close to work load, assure accuracy. Big ten-spline manganese steel spindle and 2 3/8" diameter quill provide extra ruggedness. Bearings support pulley independent of spindle, eliminating transmission of belt pull to spindle.



BIG PRODUCTION TABLE

—Extra large table with 15" x 18" work surface has diagonal and parallel blind T-slots to facilitate clamping of jigs and fixtures.



UP-FRONT CONTROLS—

Safety designed "on-off" switch (accessory), large quill lock knob, and easy-to-read depth stop and depth indicator gauges are all conveniently located "up-front" for easier, faster and safer operation.



QUICK RELEASE MOTOR MOUNT—

Single lever control operates pivoting cam-actuated motor mount to permit easy speed changes. Assures proper belt tension at all speeds for longer belt life. Five standard spindle speeds are available—depending on motor rpm.



EXTRA SLOW DRILLING SPEEDS—New planetary gear spindle pulleys (optional accessory) provide extra-low range of gear drive speeds in addition to standard direct drive speeds for drilling stainless steels, bronzes and other hard-to-drill materials.

WALKER-TURNER 20" POWER FEED DRILL PRESSES

NOW! with Revolutionary New UP-FRONT POWER FEED—operated with only one hand!



Walker-Turner 20" Drill Press Power Feed Models are now equipped with a totally new type of power feed that features a unique front-mounted pilot wheel control to permit "never before" one hand engagement for production drilling operations.

More flexible than ever!



Built-in control permits remote operation—power feed can be electrically, hydraulically or pneumatically interlocked with other units or synchronized with a wide variety of automation devices for semi or fully automatic production operations . . . it can also be operated manually, mechanically or in combination for skip drilling, deep hole drilling and similar operations.

Quill stroke can be adjusted from 1/2" to full 6"—accuracy on repetitive depth drilling operations is assured to within a tolerance of a few thousandths of an inch.



Drill point pressure is infinitely adjustable from 0 to maximum capacity of machine—permits power feeding on a production basis throughout wide range of hole diameters . . . furnishes power and thrust needed for drilling holes up to 1" in cast iron yet through simple turn of adjustment nut, delicately handles drills down to the 1/16" diameter range. Adjustable torque feature is especially important in deep hole drilling—torque can be set to halt feed automatically to protect cutting tool against breakage from material hard spots, chip-clogged holes, etc.

Four Speeds (.004, .006, .009, .012 inches per revolution) are available for all spindle speeds—feed always remains in direct relation to drill speed.

WALKER-TURNER 20" DRILL PRESS COMPONENTS

FOR SPECIAL SET-UPS AND APPLICATIONS . . . FOR EXTRA DRILLING VERSATILITY

Drills Heads only may be purchased (see single spindle model listing) and built up with these Walker-Turner components for special-purpose drilling applications. Use them to solve special production drilling problems.

COLUMNS

- Column, 3 3/4"x33", 54 lbs. No. 20-625
- Column, 3 3/4"x42", same as furnished with Bench and Multiple Spindle Models. 64 lbs. No. 20-626
- Column, 3 3/4"x66", same as furnished with Floor Models. 106 lbs. No. 20-627
- Column, 3 3/4"x78", for additional spindle to table and/or base capacity. No. 20-628
- Flange, for mounting column on table, complete with screws. 44 lbs. No. 20-624

COLUMN AND BALL BEARING CARRIAGE

For building Overhead Drill Presses. Includes 3 3/4"x33" Column and eight Ball Bearing Construction Carriage and lock. 135 lbs. No. 20-623

RAISING MECHANISM

Raising Mechanism, for head or table. Includes ball bearing thrust collar, rack, gear assembly and crank. Use for building Overhead Models. 19 lbs. No. 20-661

TABLES

Note: Minimum center to center distances for columns are 13" for Hand Feed and 16" for Power Feed Models.

- Tilting Table, for single spindle floor models, 16"x18" wide, top and one side are finished to plane surfaces at right angles to one another, slotted, with column bracket and tilt angle scale. May be used with No. 20-661 Raising Mechanism. 111 lbs. No. 20-660
- Production Table, for single spindle floor models, 15"x18" ground working surface with 4 diagonal and 2 parallel blind T slots for 1/2" bolts. May be used with No. 20-661 Raising Mechanism. 112 lbs. No. 20-650
- Production Table, for single spindle bench models, 24"x18" wide, 145 lbs. Cannot be used with No. 50-399 Legs. No. 20-651
- Production Table, for two spindle set-up, One piece, 24 1/2"x35 1/2" ground work surface, drilled and tapped for column mounting flanges on 17 1/2" centers. Also can be supplied drilled to your specifications or undrilled. Fits No. 50-399 legs. 390 lbs. No. 20-652

Production Table, for three spindle set-up, One piece, 24 1/2"x70 1/2" ground work surface, drilled and tapped for column mounting flanges on 26 1/4" centers. Also can be supplied drilled to your specifications or undrilled. Fits No. 50-399 legs. 826 lbs. No. 20-653

Production Table, for four spindle set-up, One piece, 24 1/2"x70 1/2" ground work surface, drilled and tapped for column mounting flanges on 17 1/2" centers. Also can be supplied drilled to your specifications or undrilled. Fits No. 50-399 legs. 826 lbs. No. 20-654

Production Table, for six spindle set-up, Two piece, 24 1/2"x105 1/2" ground work surface, drilled and tapped for column mounting flanges on 17 1/2" centers. Also can be supplied drilled to your specifications or undrilled. Fits Nos. 50-399 and 50-506 legs. 960 lbs. No. 20-656

Production Table, right end section, 25"x35 1/4" ground work surface, drilled and tapped for 2 column mounting flanges on 17 1/2" centers. 394 lbs. No. 20-657

Production Table, left end section, 25"x35 1/4" ground work surface, drilled and tapped for 2 column mounting flanges on 17 1/2" centers. 390 lbs. No. 20-658

Production Table, center section, 25"x35" ground work surface, drilled and tapped for 2 column mounting flanges on 17 1/2" centers. 382 lbs. No. 20-659

Note: Production tables for more than 6 spindles can be made up by ordering end sections and center sections as needed.

LEGS

- Steel Legs, two 27 1/2" high. For mounting production tables. No. 50-399
- Steel Leg, one, 27 1/2" high. For mounting sectional production tables. Also required for mounting No. 20-656 table. 50 lbs. No. 50-506
- Riser Blocks, two, 2" high with studs, nuts and lock washers for mounting under legs Nos. 50-399 and 50-506. One pair required for each leg to raise leg 2". Two blocks may be stacked to raise leg 4". 10 lbs. No. 50-400
- Floor Rest. Recommended for multiple spindle production models especially with four or more spindles or where heavy work pieces may cause table sag. Consists of 2 3/4" steel column, base with holes for lagging to floor and V-pad for supporting rib of table. Screw type jack feature permits height of pad to be adjusted from 27 1/2" to 29 1/2". 15 lbs. No. 50-401

SEE PAGES 38, 35 AND 36 FOR OTHER DRILL PRESS ACCESSORIES

catalog listing

WALKER-TURNER

20" DRILL PRESSES

STANDARD EQUIPMENT—All models include No. 49-108 steel compass V-belt, No. 49-235 motor pulley (3/4" bore), No. 20-661 raising mechanism and belt guard. Power Feed models include No. 20-642 power feed attachment. Extra slow speed hand feed models include No. 20-635 5-step planetary gear spindle pulley.




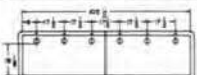
Extra slow power feed models include No. 20-634 4-step planetary gear spindle pulley. Multiple spindle models with six or more heads furnished with three steel legs; other Multiple Spindle models are equipped with two steel legs. Motors and motor controls are not included with machines.

SINGLE SPINDLE MODELS

Model	Type of Feed, Spindle and Speed							
	Hand Feed				Power Feed			
	No. 2 Morse Taper		No. 3 Morse Taper		No. 2 Morse Taper		No. 3 Morse Taper	
	Standard Speed	Extra Slow Speed	Standard Speed	Extra Slow Speed	Standard Speed	Extra Slow Speed	Standard Speed	Extra Slow Speed
Bench Model (with production table— 24" x 18" work surface)	70-401 Wt. 422 lbs.	70-441 Wt. 422 lbs.	70-411 Wt. 422 lbs.	70-451 Wt. 422 lbs.	70-521 Wt. 450 lbs.	70-541 Wt. 450 lbs.	70-531 Wt. 450 lbs.	70-551 Wt. 450 lbs.
Floor Model (with production table— 15" x 18" work surface)	70-407 Wt. 460 lbs.	70-447 Wt. 460 lbs.	70-417 Wt. 460 lbs.	70-457 Wt. 460 lbs.	70-527 Wt. 500 lbs.	70-547 Wt. 500 lbs.	70-537 Wt. 500 lbs.	70-557 Wt. 500 lbs.
Floor Model (with tilting table—16" x 18" work surface; tilts 90° r. & l.)	70-408 Wt. 464 lbs.	70-448 Wt. 464 lbs.	70-418 Wt. 464 lbs.	70-458 Wt. 464 lbs.	70-528 Wt. 500 lbs.	70-548 Wt. 500 lbs.	70-538 Wt. 500 lbs.	70-558 Wt. 500 lbs.
Drill Heads (less No. 20-661 raising mechanism)	70-400 Wt. 180 lbs.	70-440 Wt. 180 lbs.	70-410 Wt. 180 lbs.	70-450 Wt. 180 lbs.	70-520 Wt. 200 lbs.	70-540 Wt. 200 lbs.	70-530 Wt. 200 lbs.	70-550 Wt. 200 lbs.

Production Tables have 1/8" coolant troughs with two 3/4" pipe taps at rear.

MULTIPLE SPINDLE MODELS

No. of Spindles Type of Table	Type of Feed, Spindle and Speed							
	Hand Feed				Power Feed			
	No. 2 Morse Taper		No. 3 Morse Taper		No. 2 Morse Taper		No. 3 Morse Taper	
	Standard Speed	Extra Slow Speed	Standard Speed	Extra Slow Speed	Standard Speed	Extra Slow Speed	Standard Speed	Extra Slow Speed
2-Spindle One-piece table 	70-402 Wt. 1100 lbs.	70-442 Wt. 1100 lbs.	70-412 Wt. 1100 lbs.	70-452 Wt. 1100 lbs.	70-522 Wt. 1150 lbs.	70-542 Wt. 1150 lbs.	70-532 Wt. 1150 lbs.	70-552 Wt. 1150 lbs.
3-Spindle One-piece table 	70-403 Wt. 1875 lbs.	70-443 Wt. 1875 lbs.	70-413 Wt. 1875 lbs.	70-453 Wt. 1875 lbs.	70-523 Wt. 1950 lbs.	70-543 Wt. 1950 lbs.	70-533 Wt. 1950 lbs.	70-553 Wt. 1950 lbs.
4-Spindle One-piece table 	70-404 Wt. 2075 lbs.	70-444 Wt. 2075 lbs.	70-414 Wt. 2075 lbs.	70-454 Wt. 2075 lbs.	70-524 Wt. 2175 lbs.	70-544 Wt. 2175 lbs.	70-534 Wt. 2175 lbs.	70-554 Wt. 2175 lbs.
6-Spindle Two-piece table 	70-406 Wt. 2875 lbs.	70-446 Wt. 2875 lbs.	70-416 Wt. 2875 lbs.	70-456 Wt. 2875 lbs.	70-526 Wt. 3025 lbs.	70-546 Wt. 3025 lbs.	70-536 Wt. 3025 lbs.	70-556 Wt. 3025 lbs.

Tables on multiple spindle models have 1/8" coolant troughs with 3/4" pipe tap at each rear corner; 6 spindle model tables also have additional 3/4" pipe tap at each front corner.

Working surface is 32 1/8" from floor with standard table legs.

MOTORS AND MOTOR CONTROLS

FOR SINGLE PHASE OPERATION

1 HP, capacitor start, 115/230V, 60 cy, 1140 RPM Motor. Includes on-and-off switch, 115V 8-ft. grounding cord, 3-prong plug and adapter. 75 lbs. **No. 83-112**

1 HP, capacitor start, 115/230V, 60 cy, 1725 RPM Motor. Includes on-and-off switch, 115V 8-ft. grounding cord, 3-prong plug and adapter. 70 lbs. **No. 83-510**

Push Button Switch. Includes 4-wire flexible conduit assembly. For use with Nos. 83-112 and 83-510 motors; for DC use also. 3 lbs. **No. 20-611**

FOR THREE PHASE OPERATION

1 HP, 208-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 56 lbs. **No. 86-920**

1 HP, 208-220/440V, 60 cy, 1140 RPM Motor. Without switch or power cord. 70 lbs. **No. 86-922**

1 1/2 HP, 208-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 65 lbs. **No. 87-120**

Push Button Manual Control Switch. Includes 6-wire flexible conduit assembly. For use with Nos. 86-920, 86-922, 87-120 motors and No. 49-365 overload switch. 3 lbs. **No. 20-613**

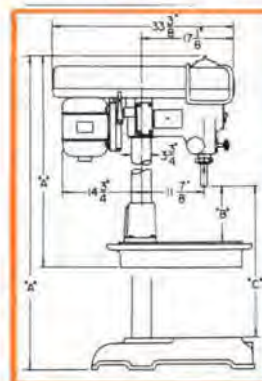
Overload Switch. Tow-pole type. For use with No. 20-613 switch. Specify voltage, HP, RPM and phase. 3 lbs. **No. 49-365**

Mounting Bracket. For mounting No. 49-365 overload switch to drill press. 3 lbs. **No. 20-614**

For three phase motors, the Magnetic Push Button Control Switch No. 20-612 and Magnetic Starters Nos. 49-396 or 49-397 may also be used, see page 47 for information on these items.

20" DRILL PRESS DIMENSIONAL DATA

20" DRILL PRESS	No. 2 Morse Taper Models			No. 3 Morse Taper Models		
	"A" Overall Height	"B" Spindle To Table (max.)	"C" Spindle To Base (max.)	"A" Overall Height	"B" Spindle To Table (max.)	"C" Spindle To Base (max.)
	Bench Type W/Production Table	55"	26 1/2"	—	55"	26"
Floor Type W/Production Table	74"	36 1/4"	45 1/4"	74"	35 3/4"	44 3/4"
Floor Type W/Tilting Table	74"	35 3/8"	45 1/4"	74"	34 3/8"	44 3/4"





17" DRILL PRESSES

Everything new but the price! More dependable, more flexible, more convenient, more accurate — than ever before! A complete line of new Walker-Turner 17" Drill Presses incorporating a host of "never-before" features designed to increase production, improve quality and lower costs in the metalworking industry.

Rugged enough to provide years of continuous extra-accurate, trouble-free performance in production lines. Flexible enough for easy adaptation to counterboring, spot facing, reaming, tapping and milling operations throughout the shop.

Available in a wide variety of hand feed models, plus 40 revolutionary new "up-front" power feed models for semi or fully automatic operations. You can also choose from a wide selection of drill press components and accessories for building low-cost automation equipment.



PRODUCTION TABLE FLOOR MODELS

Have production tables with 12½ x 17" precision ground working surfaces . . . if required, table may be tilted up to 17° right or left. Available with hand or new power feed, high or slow speed and ½" Key Chuck or No. 2 M.T. Spindle.

- New single point lubrication of quill and pinion shaft.
- Rigid 3-land support of quill for smoother feed.
- Big 3½" diameter column with 7/16" thick wall.
- New extra-rugged fully machined head—ready for field mounting of new power feed, foot feed, etc.
- Built-in worm screw adjustment for setting correct tension of spindle return spring.
- Extra large production tables—with raising mechanism (for table or head) as standard equipment.
- New quick-set depth gage with zero start feature for direct depth reading when drilling.
- New push button switch.
- New "swing away" guard for quick, easy speed changes.

SPECIFICATIONS:

OVERALL DIMENSIONS

Floor Model	
Width	18¼"
Front to rear	32½"
Height	70"
Bench Model	
Width	23½"
Front to rear	35½"
Height	49¾"

CAPACITIES

Key Chuck	0-1½"
Dia. hole in cast iron	¾"
Dia. hole in steel	¾"

QUILL

Stroke (Hand Feed)	0 to 5"
Stroke (Power Feed)	½" to 5"
Diameter	2¼"

SPINDLE SPEEDS (with 1725 RPM Motor)

High Speed Models . . . 700, 1150, 1750, 2750, 4250 RPM
 Slow Speed Models . . . 385, 600, 935, 1450, 2240 RPM

SPINDLE FEEDS

Power Feed Model004, .006, .009, .012
 inches per revolution

FEED PRESSURE

Power Feed Modelinfinitely adjustable—0 to
 maximum capacity of machine

COLUMN

Diameter3½"

TABLE WORKING SURFACE

Production Table (Floor Model)12½x17"
 Production Table (Bench Model)16x18"
 Standard Tilting Table11x12"

BASE WORKING SURFACE

Floor Model10¼x13¾"



84 MODELS AVAILABLE!

You can choose from Single Spindle Floor or Bench, Multiple Spindle Units or Drill Heads with Hand or New Power Feed . . . High or Slow Speed . . . No. 2 Morse Taper or 1/2" Key Chuck Spindle

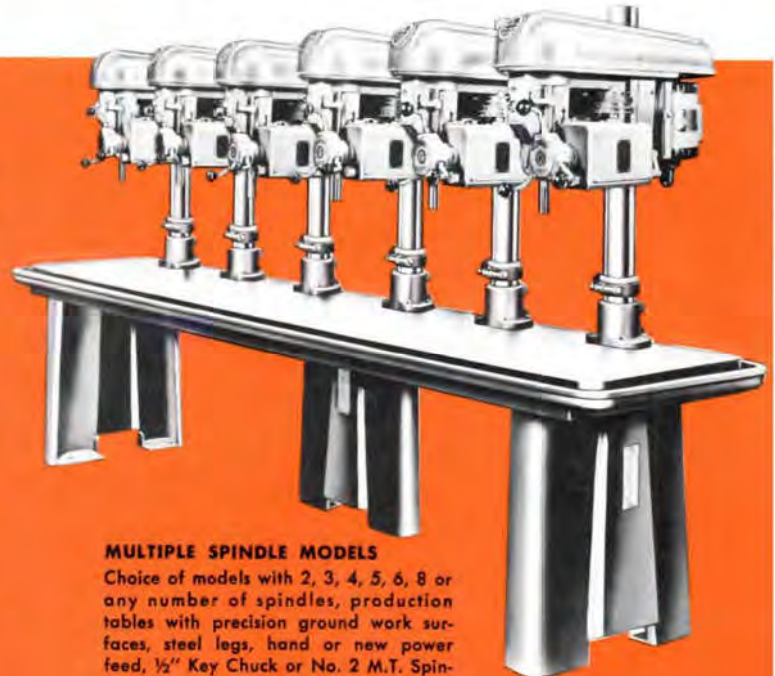


STANDARD TILTING TABLE FLOOR MODELS

Have tilting tables with 11 x 12" precision ground work surfaces . . . alignment pin permits quick, accurate setting at level and left and right vertical table positions. Available with hand or new power feed, high or slow speed and 1/2" Key Chuck or No. 2 M.T. Spindle.

BENCH MODELS

Have production tables with 16 x 18" precision ground work surfaces. Available with hand or new power feed, high or slow speed and 1/2" Key Chuck or No. 2 M.T. Spindle.



MULTIPLE SPINDLE MODELS

Choice of models with 2, 3, 4, 5, 6, 8 or any number of spindles, production tables with precision ground work surfaces, steel legs, hand or new power feed, 1/2" Key Chuck or No. 2 M.T. Spindle, high or slow speed. May be ordered as units or as component parts to enable you to make your own low cost multiple spindle units with any number of spindles to meet your special requirements (data sheets with dimensions are available to aid you in special machine designs).

All-New Features of the Walker-Turner 17" Drill Press



NEW "UP-FRONT" POWER FEED

Power feed models are equipped with a totally new type of mechanical power feed. This power feed features a unique front-mounted pilot wheel control to permit "never-before" one hand engagement for production drilling. Offers: Provisions for remote operation—can be interlocked with other units or synchronized with a wide variety of automation devices for semi or fully automatic production operations . . . adjustable torque feature permits infinite adjustment of drill point pressure for power feeding throughout wide range of hole diameters . . . and more!

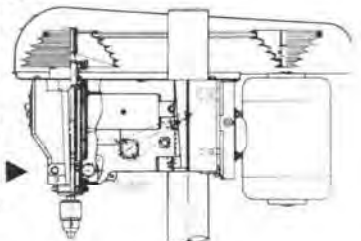


NEW "PIVOTING" MOTOR MOUNT

Rigid three-point mounted adjustable motor bracket features a "pivoting" motor mounting plate for easier setting of the correct belt tension to eliminate belt slippage and transmit the maximum amount of torque to the drive spindle. Pivoting action simplifies speed changing—fully releases belt tension for easier relocation of V-belt to desired pulley step.

NEW HEAVY-DUTY SPINDLE CONSTRUCTION

Rigid upper spindle with new extra-large bearings supports pulley independent of lower spindle. It absorbs all belt pull and transmits only the torque through a 16-spline "free-floating" drive. Short lower spindle design with two closely spaced heavy-duty pre-loaded bearings eliminates spindle play, prevents whipping and guarantees continued accuracy.



NEW QUICK-CHANGE SPINDLE PULLEY

Single set-screw mounting of the spindle pulley simplifies pulley changes. High speed models can easily be converted to slow-speed machines and visa versa—as required, right on the job for greater drilling flexibility!



NEW CONCEPT DEPTH STOP

Unlike conventional depth stops that operate off the quill, Walker-Turner's New Concept Depth Stop is a part of the pinion shaft. Its unique internal mechanism stops the pinion at any preset depth within the full 5-inch spindle travel range in one fast, accurate operation! It completely eliminates quill, spindle and cutting tool deflection and troublesome re-adjusting for deep hole depth drilling.

catalog listing WALKER-TURNER 17" DRILL PRESSES



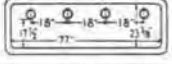
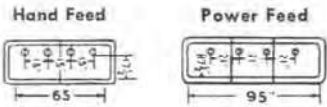
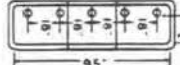
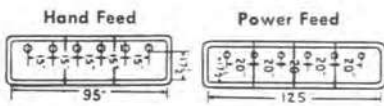
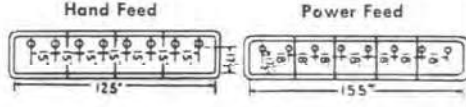
STANDARD EQUIPMENT—All models include No. 17-801 raising mechanism for head or table, built-in depth stop, depth gage and belt guard. Slow Speed models include No. 520 V-belt and No. 1311 motor pulley (3/4" bore). High Speed models include No. 501 V-belt and No. 1312 motor pulley (3/4" bore). Power Feed models also include No's, 49-126 and 49-127 V-belts. Multiple Spindle models with 3 or more table sections are furnished with 3 legs—all other Multiple Spindle models are furnished with 2 legs. Motors and motor controls are not included with machines.

SINGLE SPINDLE MODELS

Type of Model and Table	Type of Feed, Spindle & Speed							
	Hand Feed				Power Feed			
	No. 2 Morse Taper		1/2" Key Chuck		No. 2 Morse Taper		1/2" Key Chuck	
	Slow Speed	High Speed	Slow Speed	High Speed	Slow Speed	High Speed	Slow Speed	High Speed
Floor Model Standard Tilting Table, 11" x 12" work surface; tilts 90° r. & l.	67-005 Wt. 320 lbs.	67-006 Wt. 320 lbs.	67-007 Wt. 320 lbs.	67-008 Wt. 320 lbs.				
Floor Model Production Tilting Table, 12 1/2" x 17" work surface; tilts 17° r. & l.	67-010 Wt. 350 lbs.	67-011 Wt. 350 lbs.	67-012 Wt. 350 lbs.	67-013 Wt. 350 lbs.	67-024 Wt. 396 lbs.	67-025 Wt. 396 lbs.	67-026 Wt. 396 lbs.	67-027 Wt. 396 lbs.
Bench Model Production Table, 16" x 18" work surface	67-030 Wt. 320 lbs.	67-031 Wt. 320 lbs.	67-032 Wt. 320 lbs.	67-033 Wt. 320 lbs.	67-034 Wt. 366 lbs.	67-035 Wt. 366 lbs.	67-036 Wt. 366 lbs.	67-037 Wt. 366 lbs.

Production tables have 1 1/2" coolant troughs. Production table (floor model) has 3/4" pipe tap at rear; production table (bench model) has two 3/4" pipe taps at rear.

MULTIPLE SPINDLE MODELS

No. of Spindles Type of Table	Type of Feed, Spindle & Speed							
	Hand Feed				Power Feed			
	No. 2 Morse Taper		1/2" Key Chuck		No. 2 Morse Taper		1/2" Key Chuck	
	Slow Speed	High Speed	Slow Speed	High Speed	Slow Speed	High Speed	Slow Speed	High Speed
2 Spindle One Piece Table 	67-040 Wt. 707 lbs.	67-041 Wt. 707 lbs.	67-042 Wt. 707 lbs.	67-043 Wt. 707 lbs.	67-044 Wt. 751 lbs.	67-045 Wt. 751 lbs.	67-046 Wt. 751 lbs.	67-047 Wt. 751 lbs.
3 Spindle Two Piece Table 	67-050 Wt. 1533 lbs.	67-051 Wt. 1533 lbs.	67-052 Wt. 1533 lbs.	67-053 Wt. 1533 lbs.	67-054 Wt. 1579 lbs.	67-055 Wt. 1579 lbs.	67-056 Wt. 1579 lbs.	67-057 Wt. 1579 lbs.
4 Spindle One Piece Table 	67-060 Wt. 1612 lbs.	67-061 Wt. 1612 lbs.	67-062 Wt. 1612 lbs.	67-063 Wt. 1612 lbs.	67-064 Wt. 1654 lbs.	67-065 Wt. 1654 lbs.	67-066 Wt. 1654 lbs.	67-067 Wt. 1654 lbs.
4 Spindle Sectional Table 	67-070 Wt. 1723 lbs.	67-071 Wt. 1723 lbs.	67-072 Wt. 1723 lbs.	67-073 Wt. 1723 lbs.	67-074 Wt. 2106 lbs.	67-075 Wt. 2106 lbs.	67-076 Wt. 2106 lbs.	67-077 Wt. 2106 lbs.
5 Spindle Sectional Table 	67-080 Wt. 2323 lbs.	67-081 Wt. 2323 lbs.	67-082 Wt. 2323 lbs.	67-083 Wt. 2323 lbs.	67-084 Wt. 2383 lbs.	67-085 Wt. 2383 lbs.	67-086 Wt. 2383 lbs.	67-087 Wt. 2383 lbs.
6 Spindle Sectional Table 	67-090 Wt. 2503 lbs.	67-091 Wt. 2503 lbs.	67-092 Wt. 2503 lbs.	67-093 Wt. 2503 lbs.	67-094 Wt. 3040 lbs.	67-095 Wt. 3040 lbs.	67-096 Wt. 3040 lbs.	67-097 Wt. 3040 lbs.
8 Spindle Sectional Table 	67-100 Wt. 3233 lbs.	67-101 Wt. 3233 lbs.	67-102 Wt. 3233 lbs.	67-103 Wt. 3233 lbs.	67-104 Wt. 3694 lbs.	67-105 Wt. 3694 lbs.	67-106 Wt. 3694 lbs.	67-107 Wt. 3694 lbs.

All production tables have 1 1/2" coolant troughs. 2-spindle one-piece table has 3/4" pipe tap thread at rear. 4-spindle one-piece table has two 3/4" pipe tap

threads at rear. All other production tables have 3/4" pipe tap thread at each end.

MOTORS AND MOTOR CONTROLS

FOR SINGLE PHASE OPERATION

*1/2 HP Motor. Capacitor start, 115/230V, 60 cy, 1725 RPM. Includes on-and-off switch, 115V 8-ft. grounding cord, 3-prong plug and adapter. 49 lbs. No. 82-710

3/4 HP Motor. Capacitor start, 115/230V, 60 cy, 1725 RPM. Includes on-and-off switch, 115V 8-ft. grounding cord, 3-prong plug and adapter. 57 lbs. No. 82-910

1 HP Motor. Capacitor start, 115/230V, 60 cy, 1725 RPM. Includes on-and-off switch, 115V 8-ft. grounding cord, 3-prong plug and adapter. 70 lbs. No. 83-510

Push Button Switch. Includes 4-wire flexible conduit assembly. For use with No. 82-710, No. 82-910 or No. 83-510 Motors. For DC use also. 3 lbs. No. 20-611

FOR THREE PHASE OPERATION

*1/2 HP, 208-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 44 lbs. No. 86-520

3/4 HP, 208-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 50 lbs. No. 86-720

1 HP, 208-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 56 lbs. No. 86-920

Push Button Manual Control Switch. Includes 6-wire flexible conduit assembly. For use with No. 86-520, No. 86-720 or No. 86-920 Motors and No. 49-365 Overload switch. 3 lbs. No. 20-613

Overload Switch. Used with No. 20-613 switch. Easy to mount with No. 20-614 mounting bracket. Specify motor and voltage when ordering. 3 lbs. No. 49-365

Push Button Magnetic Control Switch. Includes 3-wire flexible conduit assembly. For use with No. 86-520, No. 86-720 or No. 86-920 Motors and No. 49-396 or No. 49-397 Magnetic Starter. 2 1/2 lbs. No. 20-612

Magnetic Starter. For 208-220V, 60 cy only. Provides low-voltage, no-voltage and overload protection. Used with No. 20-612 switch. Easy to mount with No. 20-614 mounting bracket. Specify motor number when ordering. 6 lbs. No. 49-396

Magnetic Starter. For 440V, 60 cy only. Provides low-voltage, no-voltage and overload protection. Used with No. 20-612 switch. Easy to mount with No. 20-614 mounting bracket. Specify motor number when ordering. 6 lbs. No. 49-397

Mounting Bracket. For mounting overload switch or magnetic starters on new Walker-Turner 17" Drill Presses. 3 lbs. No. 20-614

*Not recommended for power feed models.

WALKER-TURNER 17" DRILL PRESS COMPONENTS

For Building Your Own Low Cost Special Job Units

7" DRILL PRESS HEADS

STANDARD EQUIPMENT
-Slow Speed models include No. 520 V-belt and No. 1311 motor pulley (3/4" ore). High Speed models include No. 501 V-belt and No. 1312 motor pulley (3/4" ore). Power feed models so include No. 17-800 power feed attachment.

Type of Feed, Spindle & Speed							
Hand Feed				Power Feed			
No. 2 Morse Taper		1/2" Key Chuck		No. 2 Morse Taper		1/2" Key Chuck	
Slow Speed	High Speed	Slow Speed	High Speed	Slow Speed	High Speed	Slow Speed	High Speed
67-000 Wt. 105 lbs.	67-001 Wt. 105 lbs.	67-002 Wt. 105 lbs.	67-003 Wt. 105 lbs.	67-020 Wt. 144 lbs.	67-021 Wt. 144 lbs.	67-022 Wt. 144 lbs.	67-023 Wt. 144 lbs.

COLUMNS

Column, 3 1/2" diam. x 62". 34 lbs. **No. 1367**
 Column, 3 1/2" diam. x 38 1/2". 22 lbs. **No. 1368**
 Column, 3 1/2" diam. x 77". 40 lbs. **No. 17-369**
 Flange, with screws, for mounting on table. 17 lbs. **No. 1366**

RAISING MECHANISM

Raising Mechanism, for head or table. Includes worm shaft, compound worm gear and pinion, crank handle, rack, ball thrust bearing and column collar. 15 lbs. **No. 17-801**

TABLES

Minimum center to center distances for columns on multiple spindle drill presses are 15" for Hand Feed Models and 18" for Power Feed Models.

Production Table, for single spindle production floor model drill press. Fits standard bracket. Tilts 17° r. & l., has 12 1/2" x 17" ground work surface, 1 1/2" coolant trough and 3/4" pipe tap at rear. 66 lbs. **No. 1372**

*Production Table for single spindle bench model drill press. One piece with 16 x 18" ground work surface, 1 1/2" coolant trough and two 3/4" pipe taps at rear. 120 lbs. **No. 1514**

*Production Table for two spindle drill press. One piece with 23 3/8" x 36" ground work surface, 1 1/2" coolant trough with 3/4" pipe tap at rear. Drilled and tapped for column mounting flanges on 18" centers unless otherwise specified. 320 lbs. **No. 1513**

*Production Table for four spindle drill press. One piece with 23 3/8" x 77" ground work surface, 1 1/2" coolant trough with two 3/4" pipe taps at rear. Drilled and tapped for column mounting flanges on 18" centers unless otherwise specified. **No. 1515**

*Production Table, center section with 23 3/8" x 30" ground work surface, 1 1/2" coolant trough. 355 lbs. **No. 1505**

*Production Table, end section with 23 3/8" x 32 1/2" ground work surface, 1 1/2" coolant trough and 3/4" pipe tap at each end. 420 lbs. **No. 1507**

*Also supplied undrilled or drilled and tapped to your specifications.

LEGS

Steel Legs, two, 27 1/2" high. For mounting production tables Nos. 1513 and 1515. Same as furnished with one and two piece table multiple spindle models. 96 lbs. **No. 50-399**

Steel Leg, one, 27 1/2" high. For mounting production tables. Same as furnished with three or more piece table multiple spindle models. 50 lbs. **No. 50-506**

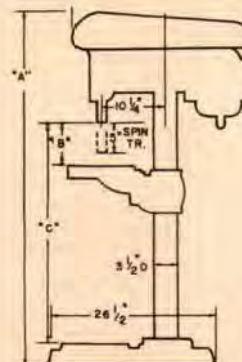
Riser Blocks, two, 2" high with studs, nuts and lock washers for mounting under legs Nos. 50-399 and 50-506. One pair required for each leg to raise machine 2". Two blocks may be stacked to raise leg 4". 8 lbs. **No. 50-400**

Floor Rest. Recommended for multiple spindle production models especially with four or more spindles or where heavy work pieces may cause table sag. Consists of 2 3/4" steel column, base with holes for lagging to floor and V-pad for supporting rib of table. Screw type jack feature permits height of pad to be adjusted from 27 1/2" to 29 1/2". 15 lbs. **No. 50-401**

For information on Foot Feed; Multi-Speed, Mortising and Lamp Attachments, Speed Change-Over Parts and other Accessories see page 24.

17" DRILL PRESS DIMENSIONAL DATA

17" Drill Press	1/2" Key Chuck and No. 2 Morse Taper Models		
	"A" Overall Height	"B" Spindle Chuck to Table (max.)	"C" Spindle Chuck to Base (max.)
Bench Type W/Production Table	49 1/2"	25 3/4"	—
Floor Type W/Tilting Table	70"	35"	45 3/4"
Floor Type W/Production Table	70"	33 1/2"	45 3/4"





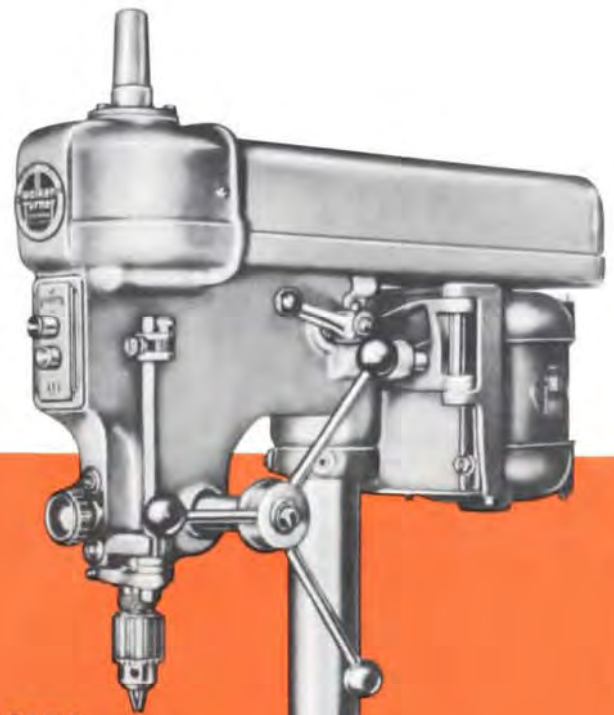
15" DRILL PRESSES WITH 6" SPINDLE TRAVEL

These rugged "Light-Heavyweights" give you big capacity formerly found only in much larger, more expensive machines. With Walker-Turner 6" Travel, 15" Drill Presses you can drill holes up to 6" deep in all sizes up to 1/2" in cast iron with one pass of the drill!

Walker-Turner features such as massive, one piece cast iron heads, four bearing spindle construction and convenient controls mean lower costs and continuous, trouble-free performance.

Select from deluxe bench, floor and single or multiple spindle production models complete with belt guards and the production features you want. Choice of high or slow speed pulley and No. 2 Morse Taper or 1/2" Key Chuck Spindles. Easily interchanged spindle assemblies (including a No. 1 Morse Taper Spindle) are available as components for extra versatility.

In the production line . . . in the shop . . . throughout your operation, let big capacity, low cost Walker-Turner 15", 6" Travel, Drill Presses solve your special metal, wood or plastic drilling problem!



BENCH MODELS

Equipped with utility table and No. 2 Morse Taper or 1/2" Key Chuck Spindle.



Model 65-126

SPECIFICATIONS

Column to Center of Drill.....7-1/2"

OVERALL DIMENSIONS

Floor Model
Height70"
Width20-1/2"
Front to rear.....29"
Bench Model
Height42"
Width11-1/4"
Front to rear.....28"

CAPACITIES

Key Chuck0 - 1/2"
Dia. Hole in cast iron.....1/2"
Dia. Hole in steel.....3/8"

QUILL

Stroke6"
Diameter1-13/16"

SPINDLE SPEED

W/1725 RPM Motor
W/high speed head pulley600, 1250, 2240, 5000 RPM
W/slow speed head pulley480, 940, 1300, 2900 RPM

COLUMN

Diameter2-3/4"

TABLE WORKING SURFACE

Floor Model Production Table.....10" x 12"
Utility Table12-1/4" x 10"
Tilting Table10 x 10"

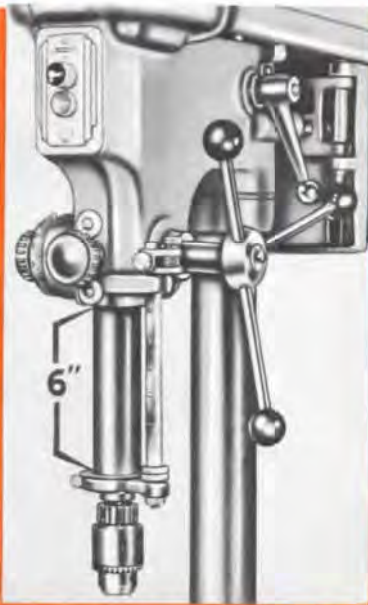
BASE WORKING SURFACE

Floor Models8-1/2 x 12"
Bench Models.....9 x 10"
Production Models
(single spindle).....14-1/2 x 16"



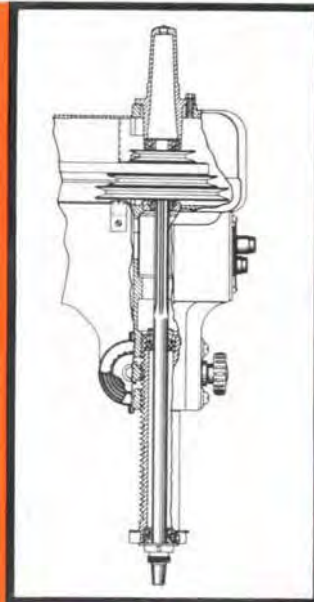
NEVER BEFORE!

A RUGGED, LOW-COST DRILL PRESS with **6" SPINDLE TRAVEL!**



BIGGER CAPACITY EXTRA CONVENIENCE

Full 6" spindle travel is unmatched in its class! Easy-to-grip pilot wheel, and micrometer type depth stop with adjustable spindle return control provide extra convenience. Safety designed push button switch is available for mounting on the massive, one piece head.



SUPERIOR SPINDLE CONSTRUCTION

Rugged, six spline spindle is mounted on two widely spaced bearings . . . two additional rows of bearings support pulley independent of spindle. Entire spindle and quill assembly is lubricated from single oil hole at top.



CONVENIENT ACCURACY CONTROLS

Calibrated depth indicator shows exact drill penetration. Up-front quill lock knob and two quill wear adjustment screws are also provided.



QUICK RELEASE MOTOR BASE

Convenient lever facilitates release of hinged motor mount and assures proper belt tension.

SELECT FROM BENCH, FLOOR AND SINGLE OR MULTIPLE SPINDLE PRODUCTION MODELS



Model 65-124

PRODUCTION MODELS

Select from single spindle, or 2, 3, 4, 6 or any number of spindles or multiple spindle set-ups complete with production tables, head raising mechanisms and belt guards. May be ordered as units or as component parts for making special purpose machines. Choice of No. 2 Morse Taper or 1/2" Key Chuck Spindles.

FLOOR MODELS

Equipped with utility, production or tilting table and No. 2 Morse Taper or 1/2" Key Chuck Spindle. Foot feed and raising mechanism for head or table are available.



Model 65-127
With production table

See Pages 14 and 15 For 15" Drill Press Catalog
Listings and Component Parts.

catalog listing

WALKER-TURNER

15"

6" SPINDLE TRAVEL

DRILL PRESSES

STANDARD EQUIPMENT — All models include belt guard. Slow Speed models include No. 51-009 V-belt and No. 41-773 motor pulley ($\frac{5}{8}$ " bore). High speed models include No. 51-008 V-belt and No. 41-773 motor pulley. Multiple spindle models with three or more table sections include three steel legs, other Multiple Spindle models include two steel legs.

No. 65-837, raising mechanisms for raising and lowering heads are included with Multiple Spindle Models and Single Spindle Bench Models with production tables.



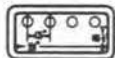
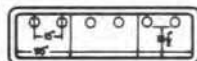
Motors and switches are not included with machines.

SINGLE SPINDLE MODELS

Model	Type of Spindle and Feed			
	No. 2 Morse Taper		$\frac{1}{2}$ " Key Chuck	
	Slow Speed	High Speed	Slow Speed	High Speed
Bench Model (with production table— 14½" x 16" work surface)	65-141 Wt. 208 lbs.	65-101 Wt. 208 lbs.	65-161 Wt. 208 lbs.	65-121 Wt. 208 lbs.
Bench Model (with utility table— 10" x 12½" work surface)	65-146 Wt. 148 lbs.	65-106 Wt. 148 lbs.	65-166 Wt. 148 lbs.	65-126 Wt. 148 lbs.
Floor Model (with production table— 10" x 12" work surface)	65-147 Wt. 194 lbs.	65-107 Wt. 194 lbs.	65-167 Wt. 194 lbs.	65-127 Wt. 194 lbs.
Floor Model (with utility table)	65-148 Wt. 194 lbs.	65-108 Wt. 194 lbs.	65-168 Wt. 194 lbs.	65-128 Wt. 194 lbs.
Floor Model (with tilting table— 10" x 10" work surface; tilts 45° r. & l.)	65-149 Wt. 194 lbs.	65-109 Wt. 194 lbs.	65-169 Wt. 194 lbs.	65-129 Wt. 194 lbs.

Production tables have 2½" coolant troughs with ½" pipe top at rear.

MULTIPLE SPINDLE MODELS

Type of Table No. of Spindles	Type of Feed and Spindle			
	No. 2 Morse Taper		$\frac{1}{2}$ " Key Chuck	
	Slow Speed	High Speed	Slow Speed	High Speed
 2 Spindle One-piece table	65-142 Wt. 500 lbs.	65-102 Wt. 500 lbs.	65-162 Wt. 500 lbs.	65-122 Wt. 500 lbs.
 3 Spindle One-piece table	65-143 Wt. 816 lbs.	65-103 Wt. 816 lbs.	65-163 Wt. 816 lbs.	65-123 Wt. 816 lbs.
 4 Spindle One-piece table	65-144 Wt. 930 lbs.	65-104 Wt. 930 lbs.	65-164 Wt. 930 lbs.	65-124 Wt. 930 lbs.
 6 Spindle Sectional table	65-145 Wt. 1090 lbs.	65-105 Wt. 1090 lbs.	65-165 Wt. 1090 lbs.	65-125 Wt. 1090 lbs.

Tables on Multiple Spindle models have 1½" coolant troughs. Sectional tables have two ¾" pipe taps at each end; one piece tables have ¾" pipe tap at rear. Working surface is 32" from floor with standard table legs.

MOTORS AND MOTOR CONTROLS

FOR SINGLE PHASE OPERATION

½ HP, capacitor start, 115/230V, 60 cy, 1725 RPM motor. Without switch or power cord. 31 lbs.
No. 62-810

FOR THREE PHASE OPERATION

½ HP, 208-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 28 lbs.
No. 66-820

Manual Control Push Button Switch Kit. Three pole type, rated single phase (or DC) 1 HP, 125 to 250 V, AC-DC; rated three phase 2 HP, 208 to 575 V for single. (DC) or three phase motors on 15"-6" Spindle Travel Drill Presses.
No. 49-260

MAKE YOUR OWN SPECIAL MACHINES WITH THESE WALKER-TURNER 15"-6" SPINDLE TRAVEL DRILL PRESS COMPONENTS

15"-6" SPINDLE TRAVEL DRILL PRESS HEADS

STANDARD EQUIPMENT—All models include No. 65-844 belt guard, No. 41-773 motor pulley ($\frac{5}{8}$ " bore), No. 51-008 high speed or No. 51-009 slow speed V-belt.

Type of Spindle and Speed			
No. 2 Morse Taper		$\frac{1}{2}$ " Key Chuck	
Slow Speed	High Speed	Slow Speed	High Speed
65-140 Wt. 86 lbs.	65-100 Wt. 86 lbs.	65-160 Wt. 86 lbs.	65-120 Wt. 86 lbs.

COLUMNS

- Column, $2\frac{3}{4}$ " x 31", same as furnished with bench models, 12 lbs.
No. 14-839
- Column, $2\frac{3}{4}$ " x $36\frac{3}{4}$ ", same as furnished with multiple spindle models, 13 lbs.
No. 1020
- Column, $2\frac{3}{4}$ " x 62", same as furnished with floor models, 20 lbs.
No. 15-827
- Collar, head or table support, for column, 2 lbs.
No. 1010
- Flange, for mounting column on table, complete with screws, 10 lbs.
No. 1019

LEGS

- Steel Legs, two, $27\frac{1}{2}$ " high. For mounting production tables. Same as furnished with multiple spindles models. 96 lbs.
No. 50-399
- Steel Leg, one, $27\frac{1}{2}$ " high. For mounting production tables. Same as furnished with three piece sectional table multiple spindle models. 50 lbs.
No. 50-506
- Riser Blocks, two, 2" high with studs, nuts and lock washers for mounting under legs. Two required for each single leg to raise machine 2". 8 lbs.
No. 50-400

FLOOR REST

Floor Rest. Recommended for multiple spindle production models especially with four or more spindles or where heavy work pieces may cause table sag. Consists of $2\frac{3}{4}$ " steel column, base with holes for lagging to floor and V-pad for supporting rib of table. Screw type jack features permits height of pad to be adjusted from $27\frac{1}{2}$ " to $29\frac{1}{2}$ ". 15 lbs.
No. 50-401

RAISING MECHANISM

Raising Mechanism for quick, easy raising and lowering of head or table. 13 lbs.
No. 65-837

TABLES

NOTE: Minimum center to center distances for columns is 12" on multiple spindle tables.

Standard Tilting Table, for floor and bench models, 10" x 10" ground work surface. Tilts 45° right or left . . . graduated scale indicates tilt angle. (Same as furnished with tilting table floor model drill presses.) 26 lbs.
No. 65-830

Deluxe Tilting Table, for single spindle floor and bench models. 10" x 10" ground work surface. One side of table is accurately machined 90° to the table surface. Tilts 45° right or left, graduated scale indicates degree of tilt. 30 lbs.
No. 65-813

Utility Table, for bench and floor models, $12\frac{1}{4}$ " x 10" ground work surface. 28 lbs.
No. 65-829

Production Table, for single spindle floor model, 10" x 12" ground work surface. Sump at back right is tapped to accommodate $\frac{1}{2}$ " pipe. 41 lbs.
No. 65-831

Production Table, 14" x 16" ground work surface, for single spindle bench models. Cannot be used with No. 50-399 legs. 110 lbs.
No. 1516

Production Table, $19\frac{3}{8}$ " x 28" ground work surface, for two spindle bench or floor models. Fits No. 50-399 legs. 225 lbs.
No. 1517

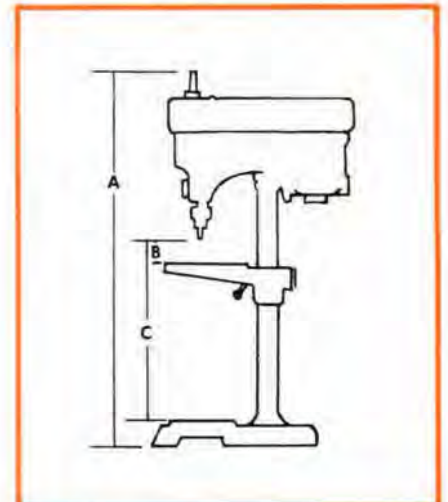
Production Table, $21\frac{1}{4}$ " x 51" ground work surface, for three or four spindle bench or floor models. Fits No. 50-399 legs. 460 lbs.
No. 1519

Production Table, center section, $23\frac{3}{8}$ " x 30" ground work surface with $1\frac{1}{2}$ " coolant trough. 365 lbs.
No. 1505

Production Table, end section, $23\frac{3}{8}$ " x $32\frac{1}{2}$ " ground work surface with $1\frac{1}{2}$ " coolant trough and $\frac{3}{4}$ " pipe tap at end. 420 lbs.
No. 1507

15"-6" SPINDLE TRAVEL DRILL PRESS DIMENSIONAL DATA

15" Drill Press	$\frac{1}{2}$ " Key Chuck Models			No. 2 Morse Taper Models		
	"A" Overall Height	"B" Spindle to Table (max.)	"C" Spindle to Base (max.)	"A" Overall Height	"B" Spindle to Table (max.)	"C" Spindle to Base (max.)
Bench Type W/Production Table	$39\frac{5}{8}$	$13\frac{3}{32}$	—	$39\frac{5}{8}$	$13\frac{17}{32}$	—
Bench Type W/Utility Table	$39\frac{5}{8}$	$7\frac{5}{32}$	$13\frac{3}{32}$	$39\frac{5}{8}$	$7\frac{17}{32}$	$13\frac{17}{32}$
Floor Type W/Production Table	$70\frac{5}{8}$	$36\frac{7}{16}$	$43\frac{1}{16}$	$70\frac{7}{8}$	$36\frac{13}{16}$	$43\frac{7}{16}$
Floor Type W/Tilting Table	$70\frac{5}{8}$	$36\frac{7}{16}$	$43\frac{1}{16}$	$70\frac{7}{8}$	$36\frac{13}{16}$	$43\frac{7}{16}$
Floor Type W/Utility Table	$70\frac{5}{8}$	$36\frac{1}{2}$	$43\frac{1}{16}$	$70\frac{5}{8}$	$36\frac{7}{8}$	$43\frac{7}{16}$





15" DRILL PRESSES WITH 4⁵/₁₆" SPINDLE TRAVEL

A complete line of Walker-Turner 15" Drill Presses with 4⁵/₁₆-inch spindle travel, that combines the ruggedness and accuracy of production machines with the versatility and ease-of-operation of utility drill presses.

Ideal for all-around shop use or for production work throughout industry. Also excellent for student training in schools.

Walker-Turner 15" Drill Press features include a Universal Hand Feed that combines the best elements of the pilot wheel and single lever feeds for greater operator convenience . . . Rugged Spindle Construction that features four over-sized bearings with a PROVEN multiple-spline "floating" drive for smoother operation . . . Quick-Change Belt Guard that permits fast, easy speed changes . . . plus many other built-in "extras" not found in many heavier, more expensive machines.



Bench Model with Standard Table and 1/2" Key Chuck Spindle. Shown with Motor, Motor Controls and Lamp Attachment.

BENCH MODELS:

Available with standard tilting or production table, No. 2 Morse Taper or 1/2" Key Chuck Spindle, high or slow speed. (No. 1 Morse Taper Spindle Adapter and low-cost utility table available as accessories.)

SPECIFICATIONS

OVERALL DIMENSIONS

Floor Model	
Height	68 ¹ / ₂ "
Width (Standard Table)	15 ¹ / ₂ "
Width (Production Table)	21 ¹ / ₂ "
Front to rear	24 ¹ / ₈ "
Bench Model	
Height	37 ¹ / ₂ "
Width	13 ³ / ₈ "
Front to rear	24 ¹ / ₈ "

CAPACITIES

Key Chuck	0- ³ / ₂ "
Dia. hole in cast iron	¹ / ₂ "
Dia. hole in steel	³ / ₈ "

QUILL

Stroke	4 ⁵ / ₁₆ "
Diameter	2"

SPINDLE SPEEDS (with 1725 RPM Motor)

High Speed	
Models	680, 1250, 2400, 4600 RPM
Slow Speed	
Models	470, 780, 1300, 1950 RPM

COLUMN

Diameter	2 ³ / ₄ "
--------------------	---------------------------------

TABLE WORKING SURFACE

Standard Tilting Table	10" x 10 ¹ / ₂ "
Production Table (Floor Model)	12" x 18"
Production Table (Bench Model)	14" x 16"

BASE WORKING SURFACE

Floor Model	8 ¹ / ₂ " x 12"
Bench Model	9" x 10"



40 MODELS

select the right set-up for your particular operation . . . or build your own special job unit with low-cost components



Multiple Spindle Production Model with our 1/2" Key Chuck Spindles. Steel Legs and Counterbalance Assemblies for Raising and Lowering Heads Included. Shown with Motors and Motor Controls.



Bench Model with Production Table, 1/2" Key Chuck Spindle, Counterbalance Assembly for Raising and Lowering Head. Shown with Motor and Motor Controls.



Floor Model with Standard Table and 1/2" Key Chuck Spindle. Shown with Motor, Motor Controls and Lamp Attachment.



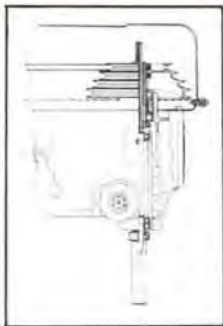
Floor Model with Production Table and 1/2" Key Chuck Spindle. Shown with Motor, Motor Controls, Lamp Attachment and Foot Feed.

PRODUCTION MODELS:

Available as single spindle or 2, 3, 4, 5, 6, 8 or any number of spindles in multiple spindle set-ups, either No. 2 Morse Taper or 1/2" Key Chuck, high or slow speed, with production tables and counter-balance assemblies for raising and lowering heads.

FLOOR MODELS:

Available with standard tilting or production table, No. 2 Morse Taper or 1/2" Key Chuck Spindle, high or slow speed. Foot feed and table raising mechanism are available as components.



RUGGED SPINDLE CONSTRUCTION

Features oversized, pre-loaded, lubricated-for-life ball bearings that support spindle and spindle pulley independently of each other in a proven multiple-spline "floating" drive. This construction assures exact spindle alignment, with minimum vibration, providing smoother operation and greater power transmission.

WALKER-TURNER 15" DRILL PRESSES OFFER BUILT-IN "EXTRAS" NOT FOUND IN MANY HEAVIER, MORE EXPENSIVE MACHINES



POSITIVE LOCK DEPTH STOP

Features an adjustable micrometer sleeve to facilitate minute depth settings down to .002 inches. Quick-Set Depth Gauge is calibrated in 1/32", can be quickly set for direct depth readings as drill penetrates work.



UNIVERSAL HAND FEED

Combines the best elements of the pilot wheel and single lever feeds. It gives an almost infinite choice of lever positions for interference-free use. Leverage can be adjusted for heavy or light-work drilling.

QUICK-CHANGE BELT GUARD

Completely encloses belt and pulleys for safety. Hinged at rear, a simple twist of the lock knob and guard automatically swings up to permit easy access to belt for speed changes.



PIVOTING MOTOR MOUNTING PLATE

Has belt tension release and features a spring-loaded plunger that automatically adjusts motor mounting plate to proper position for correct belt tension after speed changes.



See Pages 18 and 19 for Walker-Turner 15" Drill Press Catalog Listings and Component Parts.

www.OzarkToolManuals.com

catalog listing

SINGLE SPINDLE MODELS

WALKER-TURNER 15"—4-5/16" SPINDLE TRAVEL DRILL PRESSES


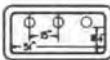
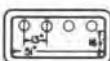
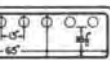
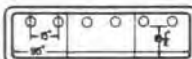
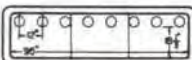
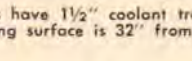
STANDARD EQUIPMENT — All models include No. 985 Motor pulley (1/2" bore) belt guard and either No. 49-168 high speed or No. 49-167 slow speed v-belt. Single Spindle Floor Model with production table also includes No. 1008 table raising mechanism. Multiple Spindle models with three or more table sections are furnished with three legs—other Multiple Spindle units are furnished with two legs. No. 1030 counterbalance assemblies for raising and lowering heads are included with Multiple Spindle models and Single Spindle Bench Models with production table. Motors and motor controls are not furnished with machines.

Model	Type of Spindle and Speed			
	No. 2 Morse Taper		1/2" Key Chuck	
	Slow Speed	High Speed	Slow Speed	High Speed
Floor Model (with standard tilting table—10' x 10 1/2" work surface; tilts 90° r. & l.)	65-305 Wt. 170 lbs.	65-306 Wt. 170 lbs.	65-307 Wt. 170 lbs.	65-308 Wt. 170 lbs.
Floor Model (with production table—12' x 18" work surface)	65-310 Wt. 214 lbs.	65-311 Wt. 214 lbs.	65-312 Wt. 214 lbs.	65-313 Wt. 214 lbs.
Bench Model (with standard tilting table)	65-314 Wt. 135 lbs.	65-315 Wt. 135 lbs.	65-316 Wt. 135 lbs.	65-317 Wt. 135 lbs.
Bench Model (with production table—14' x 16" work surface)	65-330 Wt. 203 lbs.	65-331 Wt. 203 lbs.	65-332 Wt. 203 lbs.	65-333 Wt. 203 lbs.

Production tables (bench models) have 1 1/2" coolant troughs with 3/4" pipe taps at rear.

Production tables (floor models) have 1 1/2" coolant troughs with two 3/8" pipe taps at rear.

MULTIPLE SPINDLE MODELS

No. of Spindles Type of Table		Type of Spindle and Speed			
		No. 2 Morse Taper		1/2" Key Chuck	
		Slow Speed	High Speed	Slow Speed	High Speed
2 Spindle One Piece Table		65-340 Wt. 387 lbs.	65-341 Wt. 387 lbs.	65-342 Wt. 387 lbs.	65-343 Wt. 387 lbs.
3 Spindle One Piece Table		65-350 Wt. 879 lbs.	65-351 Wt. 879 lbs.	65-352 Wt. 879 lbs.	65-353 Wt. 879 lbs.
4 Spindle One Piece Table		65-360 Wt. 908 lbs.	65-361 Wt. 908 lbs.	65-362 Wt. 908 lbs.	65-363 Wt. 908 lbs.
5 Spindle Sectional Table		65-380 Wt. 1037 lbs.	65-381 Wt. 1037 lbs.	65-382 Wt. 1037 lbs.	65-383 Wt. 1037 lbs.
6 Spindle Sectional Table		65-390 Wt. 1366 lbs.	65-391 Wt. 1366 lbs.	65-392 Wt. 1366 lbs.	65-393 Wt. 1366 lbs.
8 Spindle Sectional Table		65-400 Wt. 1688 lbs.	65-401 Wt. 1688 lbs.	65-402 Wt. 1688 lbs.	65-403 Wt. 1688 lbs.

Tables on Multiple Spindle models have 1 1/2" coolant troughs. Sectional tables have two 3/4" pipe taps at each end; one piece tables have 3/4" pipe tap at rear. Working surface is 32" from floor with standard table legs.

MOTORS AND MOTOR CONTROLS

FOR SINGLE PHASE OPERATION

1/2 HP, capacitor start, 115/230 V, 60 cy, 1725 RPM Motor. Includes on-and-off switch, 115 V 8-ft. cord, 3-prong grounding type plug and adapter. 28 lbs. **No. 62-110**

1/2 HP, capacitor start, 115/230 V, 60 cy, 1725 RPM Motor. Includes on-and-off switch, 115 V 8-ft. cord, 3-prong grounding type plug and adapter. 37 lbs. **No. 62-680**

Push Button Switch. Includes 4-wire cable and everything else needed for use with No. 62-110 or No. 62-680 motor. 1 1/4 lbs. **No. 15-811**

Switch Rod. Includes mounting parts. Used with Nos. 62-110 or 62-680 Motors. Provides fingertip control at low cost. 1 lb. **No. 1331**

FOR THREE PHASE OPERATION

1/2 HP, 208-220/440 V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 25 lbs. **No. 66-120**

1/2 HP, 208-220/440 V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 29 lbs. **No. 66-340**

Magnetic Starter. Provides low voltage, no-voltage and overload protection. For use with 208 or 220 V, 60 cy, only. Used with No. 15-812 switch. Easy to mount with No. 49-318 mounting bracket. Specify motor number when ordering. 6 lbs. **No. 49-396**

Magnetic Starter. Provides low voltage, no-voltage and overload protection. For use with 440 V, 60 cy, only. Used with No. 15-812 switch. Easy to mount with No. 49-318 mounting bracket. Specify motor number when ordering. 6 lbs. **No. 49-397**

Push Button Magnetic Control Switch. Includes 3-wire cable and everything else needed for use with No. 66-120 or No. 66-340 motor and No. 49-396 or No. 49-397 magnetic starter. 1 lb. **No. 15-812**

Push Button Manual Control Switch. Includes two 3-wire cables and everything else needed for use with No. 66-120 or No. 66-340 motor and No. 49-365 overload switch. 1 3/4 lbs. **No. 15-813**

Overload Switch. Used with No. 15-813 switch. Easy to mount with No. 49-318 mounting bracket. Specify motor when ordering. 3 lbs. **No. 49-365**

Bracket for mounting motor controls on 15" Drill Presses. 3 lbs. **No. 49-318**

NOTE: For three phase motors Nos. 66-120 and 66-340 the Manual Starter No. 1320 or Magnetic Starters No. 43-393 or 49-394 may be used, see page 47 for information on these items.

WALKER-TURNER 15" - 4⁵/₁₆" SPINDLE TRAVEL DRILL PRESS COMPONENTS

For Building Your Own Special Job Units

15" - 4-5/16" SPINDLE TRAVEL DRILL PRESS HEADS

STANDARD EQUIPMENT—All models include No. 985 motor pulley (1/2" bore) belt guard and either No. 49-168 high speed or No. 49-167 slow speed v-belt.

Type of Spindle and Speed			
No. 2 Morse Taper		1/2" Key Chuck	
Slow Speed	High Speed	Slow Speed	High Speed
65-300	65-301	65-302	65-303
Ship. Wt. 85 lbs.	Ship. Wt. 85 lbs.	Ship. Wt. 85 lbs.	Ship. Wt. 85 lbs.

COLUMNS

- Column, 2 3/4" x 31", same as furnished with bench models. 12 lbs. **No. 14-839**
- Column, 2 3/4" x 36 3/4", same as furnished with multiple spindle models. 13 lbs. **No. 1020**
- Column, 2 3/4" x 62", same as furnished with floor models. 20 lbs. **No. 15-827**
- Collar, head or table support, for column. 2 lbs. **No. 1010**
- Flange, for mounting column on table, complete with screws. 10 lbs. **No. 1019**

TABLES

Minimum center to center distances for columns is 12". Tables supplied blank or drilled and tapped for mounting flange No. 1019.

- Utility Table, 12 1/4" x 10" ground work surface, for bench and floor models. Available as accessory only. **No. 65-299**
- Production Table, 14" x 16" ground work surface, for single spindle bench models. Cannot be used with No. 50-399 legs. 110 lbs. **No. 1516**
- Production Table, 19 3/8" x 28" ground work surface, for two spindle bench or floor models. Fits No. 50-399 legs. 225 lbs. **No. 1517**
- Production Table, 21 1/4" x 51" ground work surface, for three or four spindle bench or floor models. Fits No. 50-399 legs. 460 lbs. **No. 1519**
- Production Table, center section, 23 3/8" x 30" ground work surface with 1 1/2" coolant trough. 365 lbs. **No. 1505**
- Production Table, end section, 23 3/8" x 32 1/2" ground work surface with 1 1/2" coolant trough and 3/4" pipe tap at end. 420 lbs. **No. 1507**

Production Table, 12" x 18" ground work surface, for single spindle floor models (without No. 1008 raising mechanism). 64 lbs. **No. 15-850**

RAISING MECHANISM

- Raising Mechanism, for No. 15-850 production table. Includes rack, collar and bearing. 9 lbs. **No. 1008**
- Counterbalance Assembly, complete with spring, chain, column top casting, ball bearing roller and mounting screws. Cannot be used with columns shorter than 36 3/4". 8 lbs. **No. 1030**

LEGS

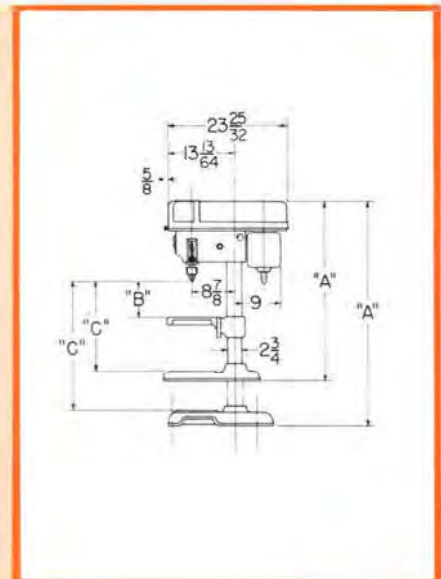
- Steel Legs, two, 27 1/2" high. For mounting production tables. Same as furnished with multiple spindles models. 96 lbs. **No. 50-399**
- Steel Leg, one, 27 1/2" high. For mounting production tables. Same as furnished with three piece sectional table multiple spindle models. 50 lbs. **No. 50-506**
- Riser Blocks, two, 2" high with studs, nuts and lock washers for mounting under legs. Two required for each single leg to raise machine 2". 8 lbs. **No. 50-400**

Floor Rest. Recommended for multiple spindle production models especially with four or more spindles or where heavy work pieces may cause table sag. Consists of 2 3/4" steel column, base with holes for lagging to floor and V-pad for supporting rib of table. Screw type jack feature permits height of pad to be adjusted from 27 1/2" to 29 1/2". 15 lbs. **No. 50-401**

For information on Foot Feed; Multi-Speed, Mortising and Lamp Attachments, Speed Change-Over Parts and other Accessories see Page 24.

15" DRILL PRESS DIMENSIONAL DATA

15" DRILL PRESS	1/2" Key Chuck Models			No. 2 Morse Taper Models		
	"A" Overall Height	"B" Spindle To Table (max.)	"C" Spindle To Base (max.)	"A" Overall Height	"B" Spindle To Table (max.)	"C" Spindle To Base (max.)
Bench Type W/Production Table	44 1/4"	21 3/4"	—	44 1/4"	20 13/16"	—
Bench Type W/Standard Tilting Table	37 1/2"	10 7/8"	16 3/8"	37 1/2"	9 1 1/8"	15 7/16"
Floor Type W/Production Table	68 1/2"	36 7/16"	46 3/8"	68 1/2"	35 1/2"	45 11/16"
Floor Type W/Standard Tilting Table	68 1/2"	41 11/16"	46 3/8"	68 1/2"	40 3/4"	45 11/16"





14" HI-SPEED DRILL PRESSES

with speeds up to 12,000 RPM

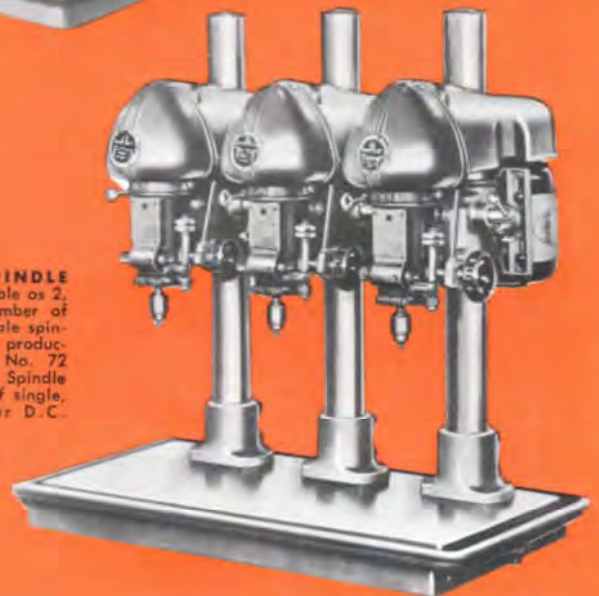


SINGLE SPINDLE MODELS: Available with production table and No. 72-1/4" Key Chuck Spindle, with choice of single, three phase or D.C. motors.

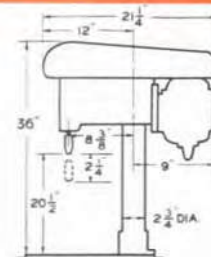
Especially engineered for high speed, small hole drilling operations in all installations where precision and sensitivity are demanded.

The Walker-Turner 14" Hi-Speed Drill Press is recommended for all drillable materials, especially non-ferrous metals such as aluminum, brass and copper, also all precious metals and phenolics.

It features a counterbalanced quill that eliminates quill drop at break-through on through holes to reduce drill breakage and work spoilage . . . preloaded, lubricated-for-life ball bearings with a 14-spline "floating" sleeve drive which includes a taper-hole mounted spindle pulley, lapped quill, etc. to assure vibration-free, accurate operation . . . plus other "special" features not found in conventional type drill presses.



MULTIPLE SPINDLE MODELS: Available as 2, 3, 4 or any number of spindles in multiple spindle set-ups, with production table and No. 72-1/4" Key Chuck Spindle (s) with choice of single, three phase or D.C. motors.



SPECIFICATIONS

CAPACITIES

Key Chuck.....No. 72 (.025") to 1/4"
Spindle to Column.....7"
Spindle to Table.....20 1/2"

QUILL

Stroke.....2 1/4"

COLUMN

Diameter.....2 3/4"

SPINDLE SPEEDS

With 60 Cy., 3450 R.P.M. Motor
Standard: 12000, 8000, 5000 R.P.M.
*Available: 10000, 7000, 4500 R.P.M.
†Available: 9000, 6200, 4000 R.P.M.
With 50 Cy., 2850 R.P.M. Motor
Standard: 10000, 6600, 4100 R.P.M.
*Available: 8250, 5800, 3700 R.P.M.
†Available: 7400, 5100, 3300 R.P.M.

*Using No. 14-829 Pulley and Belt Set (Optional Extra)
†Using No. 14-830 Pulley and Belt Set (Optional Extra)

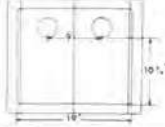
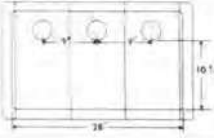


catalog listing

WALKER-TURNER 14" HI-SPEED DRILL PRESSES

STANDARD EQUIPMENT — All models include belt guard, motor pulley, spindle pulley, flat belt, chuck with key, adjustable stop for depth drilling and motor. Single phase and D.C. motor models include switch,

cord and plug; switch rod; three phase motor models do not. All models, except drill heads, are also furnished with head support collar and column-hole plug.

No. of Spindles Type of Table	With 1/2 H.P., Single Phase Motor 115, 230 V., 60 cy., 3450 R.P.M. Spindle Speeds: 12000, 8000 & 5000 R.P.M.	With 1/2 H.P., Single Phase Motor 115, 230 V., 50 cy., 2850 R.P.M. Spindle Speeds: 10000, 6600 & 4100 R.P.M.	With 1/2 H.P., 3-Phase Motor* 208-220-440 V., 50/60 cy., 2850/3450 R.P.M. Spindle Speeds: 50 cy.: 10000, 6600 & 4100 R.P.M. Spindle Speeds: 60 cy.: 1200, 8000 & 5000 R.P.M.	With 1/2 H.P., D.C. Motor 115 V., 3450 R.P.M. Spindle Speeds: 12000 8000 & 5000 R.P.M.	With 1/2 H.P., D.C. Motor 230 V., 3450 R.P.M. Spindle Speeds: 12000, 8000 & 5000 R.P.M.
1 Spindle One Piece Table. Two 3/8" pipe tap at rear. Ship. Wt. 175 lbs. 	64-030	64-031	64-032	64-033	64-034
2 Spindle Sectional Table Two 1/2" pipe tap at rear. Ship. Wt. 360 lbs. 	64-040	64-041	64-042	64-043	64-044
3 Spindle Sectional Table Two 1/2" pipe tap at ends. Ship. Wt. 515 lbs. 	64-050	64-051	64-052	64-053	64-054
4 Spindle Sectional Table Two 1/2" pipe tap at ends. Ship. Wt. 675 lbs. 	64-070	64-071	64-072	64-073	64-074
Drill Heads only** Ship. Wt. 115 lbs.	64-000	64-001	64-002	64-003	64-004

*Switch cord and plug, and switch rod not included. No. 1320 Manual Starter recommended, see below.

**Head support collar and column-hole plug not included.

Production tables have 1 1/8" coolant troughs. Sectional tables have two 1/2" pipe taps at rear; one-piece table has two 3/8" pipe taps at rear.

14" HI-SPEED DRILL PRESS COMPONENTS

For Making Up Your Own Single Or Multiple Spindle Units

Drill Heads only may be purchased (see model listing above) and built up with these Walker-Turner components for special-purpose drilling applications. Use them to solve production drilling problems.

COLUMN

Column, 2 3/4" x 31". 12 lbs. No. 14-839
Column cover. 2 lbs. No. 14-838
Collar, head support, for column. 2 lbs. No. 1010
Flange, for mounting column, complete with screws. 10 lbs. No. 1019

TABLES

Minimum center to center distances for columns is 9".
Table Section, 9" x 15 3/8" ground work

surface with 1 1/8" coolant trough. 50 lbs.

No. 14-836

End Sections, two, 1/2" x 15 3/8" ground work surface with 1 1/8" coolant trough and 1/2" pipe tap at end. 25 lbs. No. 14-837

One Piece Table, 9" x 10 3/4" ground work surface with 1 1/8" coolant trough and two 3/8" pipe taps at rear. 50 lbs. No. 14-840

PULLEY AND BELT SETS

Spindle Pulley and No. 14-833 Belt. For 50 and 60 cy motor. Offering 60 cy motor speeds of 10,000, 7,000 and 4,500 RPM, and 50 cy motor speeds of 8,250, 5,800 and 3,700 RPM. 1/2 lb. No. 14-829

Spindle Pulley and No. 14-389 Belt. For 50

and 60 cy motors. Offering 60 cy motor speeds of 9,000, 6,200 and 4,000 RPM and 50 cy motor speeds of 7,400, 5,100 and 3,300 RPM. 1/2 lb. No. 14-830

MOTOR CONTROLS FOR THREE PHASE OPERATION

Manual Starter. Provides overload protection. Easy to mount with No. 49-318 mounting bracket. Specify HP and voltage when ordering. 1 lb. No. 1320

Bracket for mounting starter on 14" Hi-Speed Drill Presses. 3 lbs. No. 49-318

Note: For three phase motor Magnetic Starter Nos. 49-393 or 49-394 may also be used, see page 47 for information on these items.



RADIAL DRILL PRESSES

**New Improved Models
Give You All These Advantages**

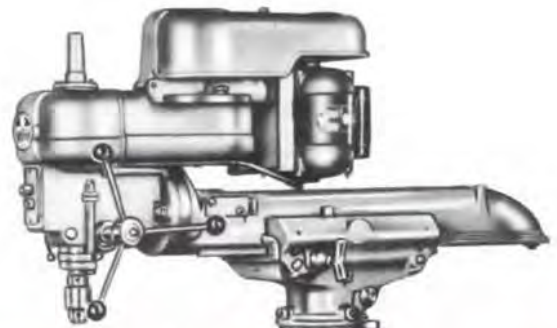
EXTRA DRILLING FLEXIBILITY—you can take the drill head right to the work on multiple drilling operations — head moves in and out over the work area on smooth traveling ram... swivels around the column... tilts 45° right and left and quickly locks in any position.

EXTRA SPEED FLEXIBILITY—built-in Jack Shaft assembly provides 15 different speeds as low as 110 rpm—as high as 8300 rpm... the right speed for every operation.

EXTRA CAPACITY—choice of 4¼" or 6" spindle travel... ram travels 18" to permit drilling to center of a 62" circle... head swings around column for drilling large work that must be kept on the floor.

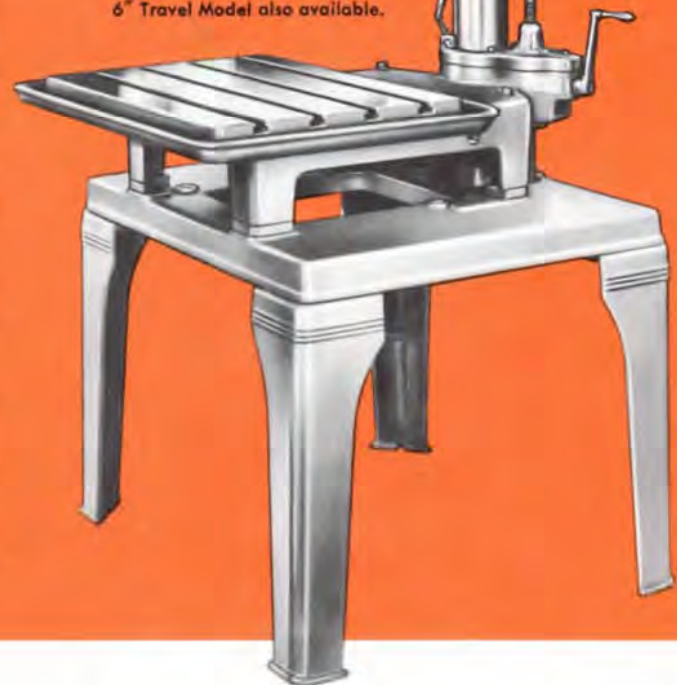
EXTRA SAVINGS—Walker-Turner Radial Drill Presses are low in cost... actually many times lower than comparable heavy, fixed machinery... and are ruggedly built to assure economical operation throughout many years of heavy-duty operation.

Ideal for rapid, precision drilling of large or heavy stock, sheet stock, panels or plywood and for many other drilling operations.



4¼" Spindle Travel Model Shown.

6" Travel Model also available.



RADIAL DRILL HEADS AVAILABLE FOR SPECIAL APPLICATIONS

In many plants, specially mounted Walker-Turner Radial Drill Heads have effectively solved vertical or horizontal, single or multiple, drilling problems. Frequently they function as simultaneous multiple drilling units.

Walker-Turner Radial Drill Heads are available with or without Jack Shaft assemblies. Because of their adaptability, they readily lend themselves to many special applications and set-ups.

SPECIFICATIONS

OVERALL DIMENSIONS

Height	68½"
Width	31"
Depth	58"

COLUMN TO CENTER OF DRILL

Maximum (ram forward)	31"
Maximum (ram back)	13"

CHUCK TO TABLE

with 30" column	
1600 series	max. 16½"
1700 series	max. 14¾"

QUILL STROKE

1600 series models	4¼"
1700 series models	6"

CAPACITY

Dia. hole in cast iron	1½"
Dia. hole in steel	¾"

SPINDLE SPEEDS

15

SPINDLE SPEED RANGE

With 1725 RPM Motor	160 to 8300 RPM
With 1140 RPM Motor	110 to 5400 RPM

TABLE

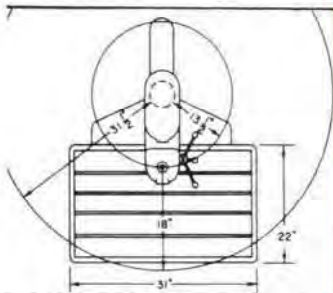
26" x 18"

another



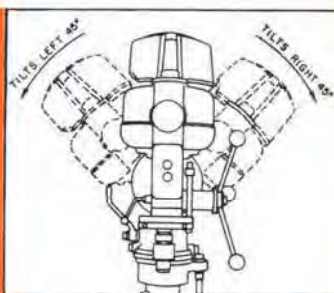
product

RUGGED WALKER-TURNER RADIAL DRILL PRESSES PROVIDE THE PERFORMANCE FEATURES AND VERSATILITY OF MACHINES COSTING MANY TIMES MORE!



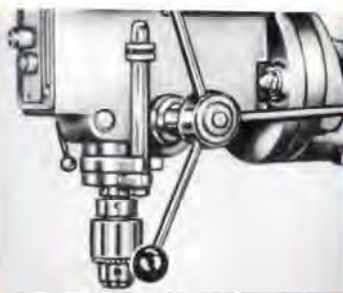
WIDE DRILLING RANGE FOR FULL VERSATILITY

The ram has a big 18" travel that permits drilling to the center of a 62" circle . . . head, ram and cradle swing a full 360° around the column for drilling anywhere on the massive table or on work that must be kept on the floor.



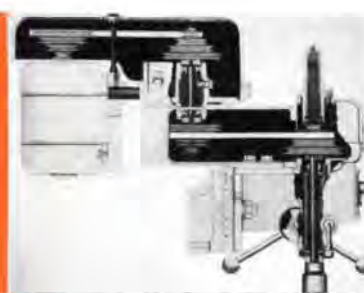
HEAD TILTS FULL 45° RIGHT OR LEFT

Entire drill head assembly readily tilts and securely locks at any angle up to 45° right or left for quick single or multiple angular drilling even on heavy, bulky pieces.



NEW COMPLETELY REDESIGNED HEAD ASSEMBLY

Massive, completely new one piece heads on both the 4 1/4" (illustrated) and 6" spindle travel models feature protective "stop" — shrouded "start" buttons, one point spindle lubrication, quill lock controls and rugged six spline full floating spindles.



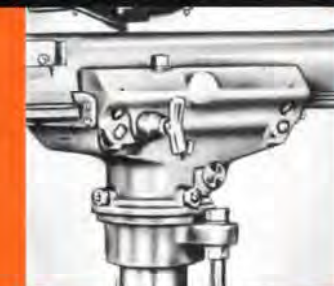
JACK SHAFT ASSEMBLY PROVIDES WIDE MULTIPLE-SPEED RANGE

The built-in ball bearing Jack Shaft assembly provides for easy selection of 15 different speeds from 160 to 8300 rpm with a 1725 rpm motor (110 to 5400 rpm with a 1140 rpm motor). You get full power transmission to the spindle at all speeds and the right speed for every drilling operation.



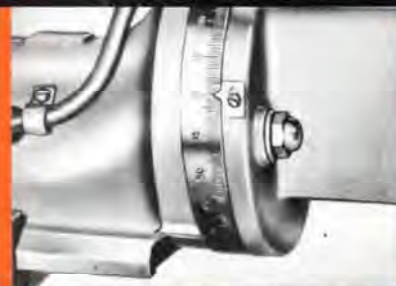
CONVENIENT CONTROLS FOR EXTRA OPERATING EASE

New 6" Spindle travel model has calibrated depth indicator to show exact drill penetration in fractions. Also features a quill lock knob . . . two quill wear adjustment screws and an adjustable spindle return stop control.



BALL BEARING CONSTRUCTION FACILITATES RAM AND DRILL HEAD MOVEMENT

The support collar on the column houses 38 ball bearings to facilitate swinging of head, ram and cradle.



HEAD TILT ADJUSTMENTS ARE EASILY MADE

Easy-to-read head tilt angle scale permits setting of head at exact angle desired. Double locks—one on each side of head—securely lock head to prevent angle deviation under heavy loads.



MASSIVE TABLE — CONVENIENT HEAD RAISING MECHANISM

Big 26" x 18" cast iron, machined surface table has four "T" slots and oil trough tapped to accommodate 1/2" pipe. Column lock handle is on left side. Handle on right permits rapid raising or lowering of head mechanism.

WALKER-TURNER RADIAL DRILL PRESSES

STANDARD EQUIPMENT—All models include head, jack shaft assembly, ram, cradle, column, table, raising mechanism, push button switch, belt guard, No. 41-772 motor pulley and two No. 287 V-belts.

Model	Column Length and Type of Spindle			
	30-Inch		42-Inch	
	No. 2 Morse Taper	1/2" Key Chuck	No. 2 Morse Taper	1/2" Key Chuck
4 1/4" Spindle Travel Model	65-202 Wt. 550 lbs.	65-212 Wt. 550 lbs.	65-203 Wt. 590 lbs.	65-213 Wt. 590 lbs.
6" Spindle Travel Model	65-252 Wt. 600 lbs.	65-272 Wt. 600 lbs.	65-253 Wt. 605 lbs.	65-273 Wt. 605 lbs.

Model	Radial Drill Heads Only (Including No. 287 V-belt)		Radial Drill Heads with Jack Shaft (Including belt guard, No. 41-772 motor pulley and two No. 287 V-belts)	
	Type of Spindle		Type of Spindle	
	No. 2 Morse Taper	1/2" Key Chuck	No. 2 Morse Taper	1/2" Key Chuck
4 1/4" Spindle Travel Model	65-200 Wt. 64 lbs.	65-210 Wt. 65 lbs.	65-201 Wt. 115 lbs.	65-211 Wt. 110 lbs.
6" Spindle Travel Model	65-250 Wt. 70 lbs.	65-270 Wt. 71 lbs.	65-251 Wt. 120 lbs.	65-271 Wt. 121 lbs.

MOTORS AND MOTOR CONTROLS

FOR SINGLE PHASE OPERATION

1/2 HP, capacitor start, 115/230 V, 60 cy, 1725 RPM Motor. Includes on-and-off switch, 115 V 8-ft. cord, 3-prong grounding type plug and adapter. 37 lbs. No. 62-680

FOR THREE PHASE OPERATION

1/2 HP, 208-220/440 V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 28 lbs. No. 66-340

1/2 HP, 208-220/440 V, 60 cy, 1140 RPM Motor. Without switch or power cord. 30 lbs. No. 66-342
*Push Button Switch, complete with cord and cover. For single or three phase motors. No. 49-410

*Note: Above switch furnished with basic machines. Order only for use with radial drill heads. Supplied only unmounted.

ACCESSORIES

Floor Stand No. 65-863
Jack Shaft Assembly. Includes No. 41-772 motor pulley, No. 287 V-belt and belt guard. No. 65-855

catalog listing

THESE WALKER-TURNER DRILL PRESS

ACCESSORIES FOR 15" - 4⁵/₁₆" SPINDLE TRAVEL DRILL PRESSES

MORTISING ATTACHMENT

Used with key chuck models only. Includes fence with mounting bolts, hooked rods, hold-down and chisel holder. Offers 4³/₄" capacity under hold-down, 2³/₄" from ends of hooked rods to fence. 8¹/₂ lbs. No. 15-840

MULTI-SPEED ATTACHMENTS

Each offers a wide range of speeds for such jobs as spot facing, counter-boring, reaming, etc. Includes adjustable mounting bracket for column, ball bearing cone pulley and two V-belts. 5¹/₂ lbs. each.

For slow-speed models only. Provides 12 speeds: 185 to 4825 rpm. No. 15-816

For high speed models only. Provides 12 speeds: 275 to 9000 rpm. No. 15-815

SPEED CHANGEOVER PARTS

For converting slow-speed drill press to high speed model. Consists of No. 49-168 V-belt and high speed spindle pulley. 3 lbs. No. 15-817

For converting high speed drill press to slow speed model. Consists of No. 49-167 V-belt and slow speed spindle pulley. 2¹/₂ lbs. No. 15-818

FOOT FEED

For floor model drill press with 62" column only. Consists of foot pedal, rods, mounting bracket and spring. 44 lbs. No. 15-820

ACCESSORIES FOR 15" - 6" SPINDLE TRAVEL DRILL PRESSES

(AND 6" SPINDLE TRAVEL RADIAL DRILL PRESSES—WHERE NOTED*)

SPINDLE ASSEMBLIES*

Spindle assemblies can be easily interchanged to provide additional versatility.

No. 1 M. T. Spindle Assembly. Includes spindle, quill, bearings and bearing collar. No. 65-810

No. 2 M. T. Spindle Assembly. Includes spindle, quill, bearings and bearing collar. No. 65-811

0-¹/₂" Key Chuck Spindle Assembly. Includes spindle, quill, bearings and bearing collar. No. 65-812

RAISING MECHANISM

For raising and lowering heads or tables. Includes crank, precision cast gears, etc. No. 65-837

FOOT FEED

For floor model drill presses with 62" column. Consists of pedal, rods, mounting bracket and spring. No. 65-814

MULTIPLE SPEED ATTACHMENT



Provides 10 speeds: 165 to 6750 rpm. Easily attached to drill press, using No. 65-803 Motor Plate Assembly. No. 65-852

Motor Plate Assembly. Required for mounting multiple speed attachment. No. 65-803

MORTISING ATTACHMENT*

Used with key chuck models only. Clamps to quill in place of depth collar. 3 lbs. No. 65-815

Hold down and guide. For use with mortising attachment. No. 65-854



ACCESSORIES FOR OLD-STYLE 15" - 4¹/₄" SPINDLE TRAVEL DRILL PRESSES

(AND 4¹/₄" SPINDLE TRAVEL RADIAL DRILL PRESSES—WHERE NOTED*)

SPINDLE ASSEMBLIES*

Spindle assemblies can be easily interchanged to provide additional versatility.

No. 1 M.T. Spindle Assembly. Includes spindle, quill, bearings and bearing collar. No. 65-800

No. 2 M.T. Spindle Assembly. Includes spindle, quill, bearings and bearing collar. No. 65-801

0-¹/₂" Key Chuck Spindle Assembly. Includes spindle, quill, bearings and bearing collar. No. 65-802

RAISING MECHANISM

For raising and lowering heads or tables. Includes crank, precision cast gears, etc. No. 65-837

MULTIPLE SPEED ATTACHMENT

Provides 10 speeds: 165 to 6750 rpm. Attaches to motor mounting plate. No. 65-852

MORTISING ATTACHMENT*

Used with Key Chuck models only. Clamps to quill in place of depth collar. 3 lbs. No. 65-853

ACCESSORIES FOR ALL 15" DRILL PRESSES

(AND RADIAL DRILL PRESSES—WHERE NOTED*)

SPINDLE ADAPTERS*

No. 1 M.T. Adapter. With threaded mounting collar. 2 lbs. No. 15-832

No. 2 M.T. Adapter. With threaded mounting collar. 2 lbs. No. 15-833

KEY CHUCKS*

0-¹/₂" Key Chuck. 3-jaw type with threaded mounting collar and key. 1¹/₂ lbs. No. 15-830

0-¹/₂" Key Chuck. 3-jaw type with No. 2 M.T. shank. 2¹/₂ lbs. No. 968

TABLES

(Fit any 2³/₄" diam. column)

Standard Tilting Table. For bench or floor model drill presses. Tilts 45° right and left. Graduated scale indicates tilt angle. 10" x 10" ground work surface. 26 lbs. No. 65-830

Deluxe Tilting Table. For bench or floor model drill presses. Tilts 45° right or left. Graduated scale indicates tilt angle. 10" x 10" ground work surface. One side of table accurately machined 90° to table surface. 30 lbs. No. 65-813

Utility Table. For bench or floor model drill presses. 12¹/₄" x 10" ground work surface. 28 lbs. No. 65-829

Production Table. For floor model drill presses. 10" x 12" ground work surface with sump at back right tapped to accommodate ¹/₂" pipe. 41 lbs. No. 65-831

Production Table. For floor model drill presses. 12" x 18" ground work surface. 64 lbs. No. 15-850

Production Table. For bench model drill presses. 14" x 16" ground work surface. 110 lbs. No. 1516

See 15" Drill Press Components (pages 15 and 19) for a complete list of single and multiple spindle production tables.



EXTENSION ARM

Permits drilling to the center of a 48" circle! Utilizes double column principle, as illustrated, to provide extra capacity. Arm is adjustable up and down column and is held in position by a lock collar. The distance between the chuck and column is variable because of the hinged construction of the arm. Cannot be used with double shaft motors. 35 lbs. No. 65-850

ACCESSORIES PROVIDE EXTRA VERSATILITY

ACCESSORIES FOR 17" DRILL PRESSES



SLO-SPEED ATTACHMENT

For No. 2 M.T. spindle models only. Furnishes the slow speeds needed for reaming, spot-facing, counterboring, core drilling, etc. A train of accurately machined, heat-treated, double reduction gears eliminate chatter and slippage and give positive, smooth operation. Provides an additional 5 speeds with input-output ratio of 4.7 to 1 RPM. Speed range with 1725 RPM motor: slo-speed model—80 to 2240 RPM; high speed model—150 to 4250 RPM. Spindle travel with attachment is 4". Slo-Speed Attachment with No. 2 M.T. spindle and No. 2 M.T. Drive Pinion. 11 lbs. **No. 17-860**

FOOT FEED

For single spindle floor model drill presses. Includes foot pedal, rods, mounting brackets and spring. 34 lbs. **No. 1371**

PILOT WHEEL

Three-spoke type. Replaces standard feed handle on 17" hand feed drill presses. Wt. 4 lbs. **No. 969**



POWER FEED ATTACHMENT

For converting new 17" hand feed drill press or head to power feed model. Features unique front-mounted pilot wheel control. Offers provisions for remote operation—can be interlocked with other units or synchronized with automation devices. Adjustable torque feature permits infinite adjustment of drill point pressure for power feeding throughout wide range of hole diameters. Quill stroke adjustable 1/2 to 5"; four speeds (.004, .006, .009 & .012 inches/revolution). Consists of power feed mechanism, pinion shaft, jack shaft assembly with pulleys, lower pulley assembly, stop rod assembly, quill collar and guide for stop rod. Nos. 49-126 and 49-127 V-belts. 46 lbs. **No. 17-800**

SPINDLE

Easily interchanged to provide additional versatility. No. 3 M.T. spindle, with bearings. 2 lbs. **No. 17-880**

KEY CHUCKS

0-1/2" capacity Drill Chuck with key. 3-jaw type with No. 2 M.T. shank. 2 1/2 lbs. **No. 968**

0-1/2" capacity Drill Chuck with key. 3-jaw type with No. 3 M.T. shank. For use with straight shank cutting tools on drill press with No. 3 M.T. spindle. 2 1/2 lbs. **No. 17-820**



MORTISING ATTACHMENT

For key chuck model drill presses only. Consists of a heavy fence bolted to the drill press table. Two hooked rods hold work against fence and an adjustable hold-down keeps the work from being raised when the chisel is withdrawn. Capacity under hold-down—6 1/2", from ends of hooked rods to fence—2 1/2". Foot feed No. 1371 recommended for mortising. 15 lbs. **No. 1381**

SPEED CHANGEOVER PARTS

For converting Slo-Speed model drill press to High Speed model. Consists of high speed pulleys and No. 501 V-belt. 7 lbs. **No. 1391**
For converting High Speed model drill press to Slo-Speed model. Consists of slo-speed pulleys and No. 520 V-belt. 10 lbs. **No. 17-862**

ACCESSORIES FOR 20" DRILL PRESSES

SPINDLE ASSEMBLIES

Spindle assemblies can be easily interchanged in seconds to provide additional versatility.

No. 2 M.T. Spindle Assembly, includes spindle, quill, bearing and bearing collars. **No. 20-420**

No. 3 M.T. Spindle Assembly, includes spindle, quill, bearing and bearing collars. **No. 20-430**

TABLES



Tilting Table, for single spindle floor models. Tilts 45° right or left, graduated scale indicates tilt angle. One side of table is accurately machined 90° to the table surface. Has 16" x 18" ground work surface. **No. 20-660**

Production Table, same as furnished with single spindle floor models. Has 15 x 18" ground work surface with 4 diagonal and 2 parallel blind T-slots for 1/2" bolts. 112 lbs. **No. 20-650**
See 20" Drill Press Components (page 6) for a complete list of bench and multiple spindle production tables.

KEY CHUCKS

0-1/2" capacity. Drill Chuck with key. 3-jaw type with No. 3 M.T. shank. For use with straight shank cutting tools on drill press with No. 3 M.T. spindle. 2 1/2 lbs. **No. 17-820**

0-1/2" capacity. Drill Chuck with key. 3-jaw type with No. 2 M.T. shank. 2 1/2 lbs. **No. 968**

RAISING MECHANISM

For raising and lowering head or table. Fits tables No. 20-660 and 20-650 or 20" Drill Press heads. Includes ball bearing thrust collar, rack, gear assembly and crank. **No. 20-661**



MORTISING ATTACHMENT

Mortising Attachment, readily clamps to quill in place of depth gauge collar. Fits No. 2 M.T. Spindle only. 6 lbs. **No. 70-819**

Hold down and guide. For use with mortising attachment. **No. 65-854**



SLO-SPEED ATTACHMENTS

Provide extra low speeds for spot-facing, reaming, counterboring, core drilling, etc. A train of accurately machined, heat-treated double reduction gears eliminates slippage and chatter and gives positive, smooth operation. Provides 5 additional speeds with input-output ratio of 4.7 to 1 RPM. Speed range 105 to 2600 RPM with 1725 motor - - - 70 to 1700 RPM with 1140 RPM motor. Spindle travel with this attachment is 4-15/16". Spindle nose to table dimension is 7 1/2" with Nos. 20-630 and 20-631; 8" with Nos. 20-632 and 20-633.

Slo-Speed Attachment with No. 2 M.T. Spindle and No. 2 M.T. Drive Pinion. 11 lbs. **No. 20-630**

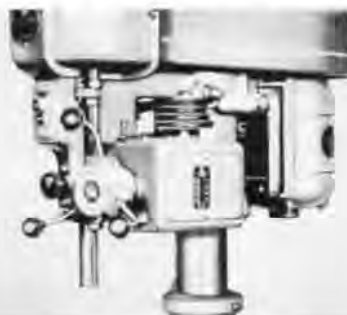
Slo-Speed Attachment with No. 2 M.T. Spindle and No. 3 M.T. Drive Pinion. 11 lbs. **No. 20-631**

Slo-Speed Attachment with No. 3 M.T. Spindle and No. 2 M.T. Drive Pinion. 11 lbs. **No. 20-632**

Slo-Speed Attachment with No. 3 M.T. Spindle and No. 3 M.T. Drive Pinion. 12 lbs. **No. 20-633**



NEW POWER FEED ATTACHMENT



Features a unique front-mounted pilot wheel control, mechanically integrated with the clutch control to permit easy one-hand engagement for production drilling.

Drill point pressure is infinitely adjustable from 0 to maximum capacity of machine—furnishes power and thrust needed for drilling holes up to 1" in cast iron yet can delicately handle drills down to 1/16" diameter range. Built in control permits remote operation—can be interlocked with other units or synchronized with automation devices. Quill stroke adjustable 1/2" to 6", four speeds (.004, .006, .009, .012 inches/revolution) available for all spindle speeds—feeds always remain in direct relation to drill speed.

Power Feed. For changing new style hand feed 20" drill press or head (W. T. Serial Nos. above 70-0100) to power feed model. Consists of power feed assembly, jack shaft assembly with pulleys, idler pulley parts, "Micro Stop" parts for stop rod, Nos. 49-101 and 49-102 V-belts. 46 lbs. **No. 20-642**

Power Feed. For old style Walker-Turner power feed 20" drill press or head (W. T. Serial Nos. below 70-0100) to new power feed model. Consists of power feed assembly pinion shaft, all parts not common to both old and new feeds. 50 lbs. **No. 20-643**

THESE WALKER-TURNER DRILL PRESS ACCESSORIES PROVIDE EXTRA VERSATILITY

NEW SLO-SPEED PLANETARY GEAR SPINDLE PULLEYS



Replace the standard spindle pulley of 20" drill presses to provide an extra-low range of spindle speeds in addition to the standard speeds making it possible to drill stainless steels, bronzes and other hard-to-drill materials, also handle reaming, tapping and similar slow speed operations. They multiply the torque and reduce the standard speeds by a 3:1 ratio. You can change from direct V-belt drive to low range gear drive—as required—by a simple turn of a key.

5-Step Pulley for Hand Feed models. Provides 10 speeds: 165 to 2600 rpm with 1725 rpm motor; 110 to 1700 rpm with 1140 rpm motor. **No. 20-635**

4-Step Pulley for Power Feed models. Provides 8 speeds: 165 to 1800 rpm with 1725 rpm motor; 110 to 1200 rpm with 1140 rpm motor. **No. 20-634**

Note: Eight additional speeds are available ranging to a high of 2100 rpm with motor pulley lowered using longer No. 49-109 V-belt. Order No. 49-109 V-belt separately if desired.

V-belt. For use with 4-step pulley to obtain higher speed range. Steel reinforced type, 64 $\frac{1}{8}$ " O. C. **No. 49-109**

ACCESSORIES FOR 20", 17", 15" and RADIAL DRILL PRESSES

COOLANT EQUIPMENT



Coolant Pump with Cord, Switch and Tank

Use Walker-Turner Coolant Pumps and Tanks to increase the efficiency of your drilling operation. A single unit supplies coolant sufficient for from one to eight spindle setups. Motor is fully enclosed . . . six blade impeller is connected directly to the motor shaft. Fully adjustable coolant controls and flat machined flanges permit use of Walker-Turner Coolant Equipment on most wet machine tools . . . units are drilled and tapped for standard pipe fittings.

Coolant Pump for single phase operation. Complete with $\frac{1}{4}$ HP, 115V, 60 cy, AC 1725 RPM Motor. Order No. 49-618 and 49-312 separately. 65 lbs. **No. 65-900**

Coolant Pump for 3-phase operation. Complete with $\frac{1}{4}$ HP, 208-220/440V, 50/60 cy, AC, 1425/1725 RPM motor. Order No. 49-618 and 1320 separately. 65 lbs. **No. 65-903**

Coolant Tank, 16 Gal. capacity, 15 $\frac{7}{8}$ " x 25 $\frac{7}{8}$ " x 11" high, required with either of the above pumps. Has settling basin and wire mesh filter screen to keep coolant free of chips. 38 lbs. **No. 49-618**

On-off toggle switch with 3 wire cord and plug, for single phase. **No. 49-312**

Starter, manual, for 3 phase. Specify voltage. 6 lbs. **No. 1320**

DRILL PRESS COOLANT PARTS ASSEMBLY



For equipping Walker-Turner 15", 17", 20" and Radial Drill Presses with coolant pump and tank assemblies. Order one coolant parts assembly for each drill press head.

Coolant Parts Assembly, consists of nozzle, valve, column mounting clamp and flexible hose assembly (for coolant feed line and connection to piping). Coolant piping and table clamps not furnished. **No. 17-802**

MORTISING CHISELS AND BITS



Mortising Chisels—production type, made of selected heat-treated steel. Shank of chisel $\frac{5}{8}$ " x $1\frac{1}{4}$ ".

$\frac{1}{4}$ " x $\frac{1}{4}$ " Chisel, mortises $1\frac{7}{8}$ " deep **No. 504** $\frac{3}{8}$ " x $\frac{3}{8}$ " Chisel, mortises 3" deep **No. 506**

$\frac{5}{16}$ " x $\frac{5}{16}$ " Chisel, mortises $1\frac{7}{8}$ " deep **No. 505** $\frac{1}{2}$ " x $\frac{1}{2}$ " Chisel, mortises 3" deep **No. 508**

Mortising Chisel Bits—made of selected heat-treated steel. Bit operates inside chisel.

$\frac{1}{4}$ " Bit, with $\frac{3}{16}$ " dia. shank **No. 514** $\frac{3}{8}$ " Bit, with $19/64$ " dia. shank. For new style $\frac{3}{8}$ " square Mortising Chisels **No. 516**

$\frac{5}{16}$ " Bit, with $\frac{1}{4}$ " dia. shank **No. 515** $\frac{1}{2}$ " Bit, with $19/64$ " dia. shank **No. 518**

$\frac{3}{8}$ " Short Bit, with $19/64$ " dia. shank. For old style $\frac{3}{8}$ " square Mortising Chisels **No. 65-867**

GRINDING SHAPE

For sharpening hollow chisels. **No. 65-864**



UNIVISE

A completely universal vise that can be set at ALL angles. See Page 34 for complete details. 17 lbs. **No. 74-050**



LAMP ATTACHMENTS

Readily swivels to provide light exactly where it is needed. Uses standard 15 or 25 watt bulb. Complete with switch. **No. 49-264**

Uses standard 15 or 25 watt bulb. Complete with mounting bracket, shade, socket and 8-ft., 115 V cord. $1\frac{1}{2}$ lbs. **No. 882**



WALKER TURNER



Approved
In Canada

Here is a low-cost, all around grinder that features cast iron wheel guards, adjustable spark guards, steel end plates and fully adjustable tool rests plus many more quality features.

Constructed throughout for years of trouble free operation, the Walker-Turner 6" Bench Grinder is safety-engineered so that only the grinding area actually being used is exposed. A precision ground shaft, balanced grinding wheels and sealed-for-life ball bearings assure accurate grinding, polishing and buffing. Special fully adjustable eyeshields are also available.

Their low cost permits you to place Walker-Turner 6" Bench Grinders throughout your shop... putting grinders right where they are needed... increasing production for you.

**WALKER-TURNER
6" BENCH GRINDER**
gives you
all these features



EXTRA SAFETY

Safety designed guards expose only necessary work areas. Spark guards and adjustable tool rests provide additional safety and operating ease.



EXTRA CONVENIENCE

Small diameter motor and extended end bells mean additional workability. Even golf clubs can easily be buffed.



EXTRA PROTECTION

Fully adjustable, easy to mount eyeshields are available complete with mounting bracket and screws... adjust up and down, left and right.

SPECIFICATIONS

Overall dimensions:

Left to right	
With eyeshields	20"
Without eyeshields	18"
Height	9"
Front to rear	8"
Shipping Weight	42 lbs.

Size of wheel	6" dia., 3/4" wide, 1/2" hole
Wheel Flange diameter	2 1/2"
Center to center distance between wheels	14 5/8"
Arbor	7/8" dia.—ends threaded 1/2" —20 left and right
Speed	3450 rpm
Motor	1/3 hp, 115 V., 60 cy., AC, 1 ph.

catalog listing

6" Ball Bearing Bench Grinder with wheel and spark guards, tool rests, on-off switch, 8 foot, 115V grounding cord set with 3 prong plug and adapter and one each 36 grit and 60 grit grinding wheels. Less eyeshields.
No. 73-020

Eyeshields, one pair, with brackets and screws.
No. 23-800

Grinding Wheel, 3/4 x 6", 1/2" hole, aluminum oxide, 36 grit, grade O (med. hardness and

density). Same as furnished with machine.

No. 23-826
Grinding Wheel, same as No. 23-826 except 60 grit. Also same as furnished with machine.

No. 23-527
Wire Wheel, 6" dia., coarse, 2 sections for use singly or together.
No. 3113

Wire Wheel, same as No. 3113 except fine wire.
No. 3114

Fiber Brush, same as No. 3113 except fiber brush.
No. 3115



7" STANDARD GRINDER

Now featuring a new Thin-Line ½ HP motor with extended, oval-shaped end bells for greater motor-to-wheel clearances! Enables you to grind extra-long materials and complex shapes without interference and with same ease and accuracy as simple sharpening jobs. And you get this new extra grinding flexibility without sacrificing any of the proven Walker-Turner grinder features of safety, convenience and accuracy.

The Walker-Turner 7" Standard Grinder is especially suited for use in production lines, machine shops, maintenance departments, tool rooms, school rooms and similar installations. Available in floor or bench models with new Thin-Line ½ HP motors for single or three-phase, 1725 or 3450 RPM operation. Bench model buffing machines for single phase, 1725 or 3450 RPM operation are also available.

Safe, Convenient, Accurate And Now More Flexible Than Ever!



SAFE

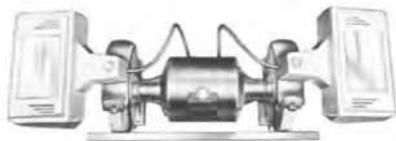
Can't forget its goggles! Twin-Lite® Safety Shields — standard equipment on all grinders — feature double-strength, shatter-proof safety glass for greater operator protection. Built-in bayonet type bulbs — shielded to prevent glare — provide light where it is needed on the sides and the face of the grinding wheels without casting any shadows.

Heavy-duty cast-iron guards with removable steel side plates completely cover the grinding wheels except for the working portions. Both guards feature adjustable spark-deflectors and integral dust chutes for extra safety and convenience.



CONVENIENT

Full-machined tool rest with side ledges that permit grinding on both sides and face of wheel are easily adjusted to compensate for wheel wear and angle grinding operations. They can be easily removed to mount the various grinding attachments.



FLEXIBLE

New Thin-Line ½ HP motor with extra-long shaft and extended oval-shaped end bell hubs provides ample motor to wheel clearances for greater maneuverability when grinding complex shapes and extra-long materials. If desired, even the Safety Shields can be swung out of the way.



ACCURATE

Grinding wheels are balanced to within 1/10 inch-ounce for vibration-free operation. Double sealed lubricated-for-life ball bearings keep out harmful dust and grinding particles. Over-size wheel flanges exceed ASA Specifications and rigidly support wheels for safe, true-accurate grinding.

SPECIFICATIONS

Floor Model	
Base	14¼" x 16"
Width	23¼"
Depth	15"
Height	47½"
Tool rest from base	40"
Wheels	7" dia., 1" face, ⅝" hole

Bench Model	
Base	8½" x 8½"
Width	23¼"
Depth	11"
Height	13¾"
Tool rest from base	6⅝"
Speed	63225 fpm at 3450 rpm; 52235 fpm at 2850 rpm; 31615 fpm at 1725 rpm



These **WALKER-TURNER 7" STANDARD GRINDER ACCESSORIES** provide additional dollar savings



DRILL GRINDING ATTACHMENT—No. 1296

Accurately made and so easy to operate that anyone can do a perfect drill sharpening job. Grinds with the face of the wheel. Micrometer settings insure evenly ground lips. With this attachment you can grind straight shank twist drills without weakening the cutting edge and with clearance and point angles at any degree you need.



PLANE BLADE GRINDING ATTACHMENT—No. 1294

Excellent for sharpening plane irons and for grinding wood chisels, putty knives, scrapers and similar tools. Fully machined table tilts for desired angle. Adjustable quadrant permits accurate grinding of straight or angle knives. Hairline adjustment for amount of "cut". Item to be ground can be lifted off any time without disturbing micrometer adjustment of the clamp and carriage. Can be used with Diamond Wheel Dresser in place of No. 1664 - Wheel Dressing Tool Holder.



DIAMOND POINTED WHEEL DRESSER—No. 3121

For dressing all types of grinding wheels. This sturdy tool is 9½" long complete with a comfortable handle. Diamond is securely held. No. 1664 Wheel Dressing Tool Holder also illustrated is available separately or with the No. 1296 Drill Grinding Attachment.

These Accessories are included in the complete catalog listing below.



MOTORLESS, GRAVITY TYPE DUST COLLECTOR—No. 1292

A self-contained unit that requires no electrical power and does not need to be connected to the shop blower system. Efficient filters trap virtually all fine dust. For complete information on motor driven dust collector for the 7" Standard Grinder see Page 35.

catalog listing

BENCH MODEL GRINDERS

No.	Motor Description	Speed RPM	Motor Switch	Shipping Weight
73-100	½ HP, 115/230 V, 60 cy, Single Phase	1725	Toggle	82
73-101	½ HP, 115/230 V, 60 cy, Single Phase	3450	Toggle	82
*73-103	½ HP, 208-220/440 V, 50/60 cy, 3 Phase	2850/3450	▲None	82

FLOOR MODEL GRINDERS

No.	Motor Description	Speed RPM	Motor Switch	Shipping Weight
73-120	½ HP, 115/230 V, 60 cy, Single Phase	1725	Toggle	149
73-121	½ HP, 115/230 V, 60 cy, Single Phase	3450	Toggle	149
†73-126	½ HP, 208-220/440 V, 50/60 cy, 3 Phase	2850/3450	▲Relay	146
††73-127	½ HP, 208-220/440 V, 50/60 cy, 3 Phase	2850/3450	▲Relay	146

Bench Type. Less Safety Shields and Bulbs, Wheel Guards, Tool Rests, Water Pot and Grinding Wheels.

BUFFING MACHINES

No.	Motor Description	Speed RPM	Motor Switch	Shipping Weight
73-110	½ HP, 115/230 V, 60 cy, Single Phase	3450	Toggle	45
73-111	½ HP, 115/230 V, 60 cy, Single Phase	1725	Toggle	45

*When manual starter with overload protection is desired use No. 1320 Manual Starter. Specify grinder catalog number and voltage when ordering starter. ▲Separate toggle switch furnished for Twin-Lites. †Has thermal elements and wiring for 220 V operation. ††Has thermal elements and wiring for 440 V operation.

ACCESSORIES

Drill Grinding Attachment. Capacity— $\frac{1}{8}$ " to $\frac{5}{8}$ " drills. Includes No. 1664 Holder for Wheel Dresser. 16 lbs.	No. 1296
Plane Blade Grinding Attachment. 6 lbs.	No. 1294
Diamond Pointed Wheel Dresser. $\frac{1}{2}$ lb.	No. 3121
Holder for Diamond Pointed Wheel Dresser. Same as furnished with No. 1296 Drill Grinding Attachment. 4 lbs.	No. 1664
Gravity Type Dust Collector, for floor model grinder. Complete with filter, brackets and screws. 32 lbs.	No. 1292
Replaceable Filter for above. 9 lbs.	No. 1293
Aluminum Oxide Wheel, 1" x 7", 60 grit, Grade N, $\frac{5}{8}$ " hole. 4 lbs.	No. 23-815
Aluminum Oxide Wheel, 1" x 7", 46 grit, Grade M, $\frac{5}{8}$ " hole. 4 lbs.	No. 23-816
Twin-Lite Safety Shield (one only), less bulbs. 3 lbs.	No. 1250
Bayonet Type Lamp Bulb. 1 lb.	No. 1280
Pedestal for 7" Standard Grinder. Converts bench model to a floor model. 80 lbs.	No. 73-050
Wire Brush, Fine-knotted, $\frac{5}{8}$ " hole, 6" diam. 1 lb.	No. 1236
Wire Brush, Medium-knotted, $\frac{5}{8}$ " hole, 6" diam. 1 lb.	No. 1237
Wire Brush, Coarse, $\frac{5}{8}$ " hole, 6" diam. 1 lb.	No. 1238



W T ALKER TURNER

6" TOOL GRINDER



Approved
in Canada

These Walker-Turner 6" Tool Grinders are low cost, vibration-free grinders accurate enough to do the most delicate grinding . . . rugged enough for the most demanding operation. Whether you use them for wet or dry grinding, these dependable performers are built to provide years of trouble free operation.

Regardless of your shop's size, Walker-Turner 6" Tool Grinders can reduce costs—increase production for you. Use them in your toolroom . . . experimental department . . . alongside your production machines . . . wherever there is a demand for economical precision grinding of carbide tipped tools as well as high speed steel or stellite, single-point cutting tools.

USE WALKER-TURNER 6" TOOL GRINDERS

IN THE SMALL SHOP . . .

to INCREASE PROFITS by doing internal grinding (eliminating outside grinding costs). Smaller investment required in tool bits means additional savings.

to INCREASE PRODUCTION by cutting down lost production time that often results when tools must be sent out.

to INCREASE EFFICIENCY by always having tools sharpened to exact specifications without delay.

IN THE LARGE SHOP . . .

to BREAK BOTTLENECKS by taking a share of work away from larger grinders.

to CUT COSTS by using smaller grinding wheels that save dollars in wheel costs, especially when diamond wheels are used.

to MAINTAIN PRODUCTION by enabling the machinist to do his own tool grinding right beside the production machine without losing time by going across the shop to the toolroom.

SPECIFICATIONS

Height	48"
Width	28"
Depth	14"
Tables	13"x7"

Tables have 1/2"x3/16" groove and tilt 30° toward and 45° away from wheel.

Wheels: 1x6" with 1" face, 1 1/4" hole. Plate mounted.

Base

COMPARE these important accuracy and convenience FEATURES



Heavy, accurately ground cast iron tables ride on widely spaced trunnions providing rigid support for every operation . . . tilt 30° in and 45° out for full grinding angle range . . . 1/2x3/16" table grooves accommodate miter gauge and facilitate attachment of jigs and fixtures.



Grinder is complete with efficient coolant assembly that can be used with either wheel . . . flexible gooseneck lamp with nylon shield can be swung to any position to ease eye strain and increase grinding accuracy.



Convenient, up-front six pole reversing switch instantly reverses wheel rotation, permitting correct grinding of tools only on the downward motion of the wheel.



Large coolant pans are easily removed . . . alignment keys fit into keyways on the grinder providing perfect alignment of the tables with the wheels.



Hand brakes located right above each wheel permit quick stops and fast reversing of wheel rotation

PLUS ALL THESE OUTSTANDING FEATURES . . .

- **STURDY CAST IRON MITER GAUGE** with adjustable face plate is standard equipment.
- **EASY-TO-READ TILT ANGLE SCALES** in front and back assure accurate table adjustment—precision grinding.
- **DYNAMICALLY BALANCED ALUMINUM WHEEL FLANGES** are drilled for mounting either silicon carbide or diamond wheels.
- **PRECISION GROUND CENTERING RING** aids in accurate wheel centering on the machine and eliminates play between wheel and arbor.
- **HEAVY DUTY MOTOR** is fully enclosed and sealed-for-life for trouble-free operation.

catalog listing

6" TOOL GRINDER FOR SINGLE PHASE OPERATION
With 1/2 HP, 115/230 V, 60 Cy. 3450 RPM Motor. Includes motor, reversing switch, 8-foot grounding type cord with 3-prong plug and adapter, No. 25-857 lamp attachment, No. 1663 water pot, and No. 31-804 miter gauge. Less grinding wheels.

Bench Model. 137 lbs. **No. 73-030**
Floor Model. (Also includes Pedestal for Grinder). 207 lbs. **No. 73-040**

6" TOOL GRINDER FOR THREE PHASE OPERATION
With 1/2 HP, 208-220/440 V, 50/60 Cy., 2850/3450 RPM Motor. Same as above models except with motors for three phase operation.

Bench Model. 137 lbs. **No. 73-032**
Floor Model. (Also includes Pedestal) 207 lbs. **No. 73-041**

NOTE: MODELS FOR 550 VOLT OPERATION AVAILABLE ON SPECIAL ORDER.

ACCESSORIES

Wheel, 1x6" 60 grit, silicon carbide, 1" face, 1 1/4" hole. 10 lbs. **No. 1661**

Wheel, 1x6" 120 grit, silicon carbide, 1" face, 1 1/4" hole. 10 lbs. **No. 1662**

Wheel, 1x6", 46 grit aluminum oxide (for roughing), 1" face, 1 1/4" hole, plate mounted. **No. 23-841**

Wheel, 1x6" 80 grit aluminum oxide (for finishing), 1" face, 1 1/4" hole, plate mounted. **No. 23-842**

Pedestal for Grinder. 80 lbs. **No. 73-050**

Diamond Pointed Wheel Dressing Tool. 1 lb. **No. 3121**

Holder for Wheel Dresser. 1 lb. **No. 1664**

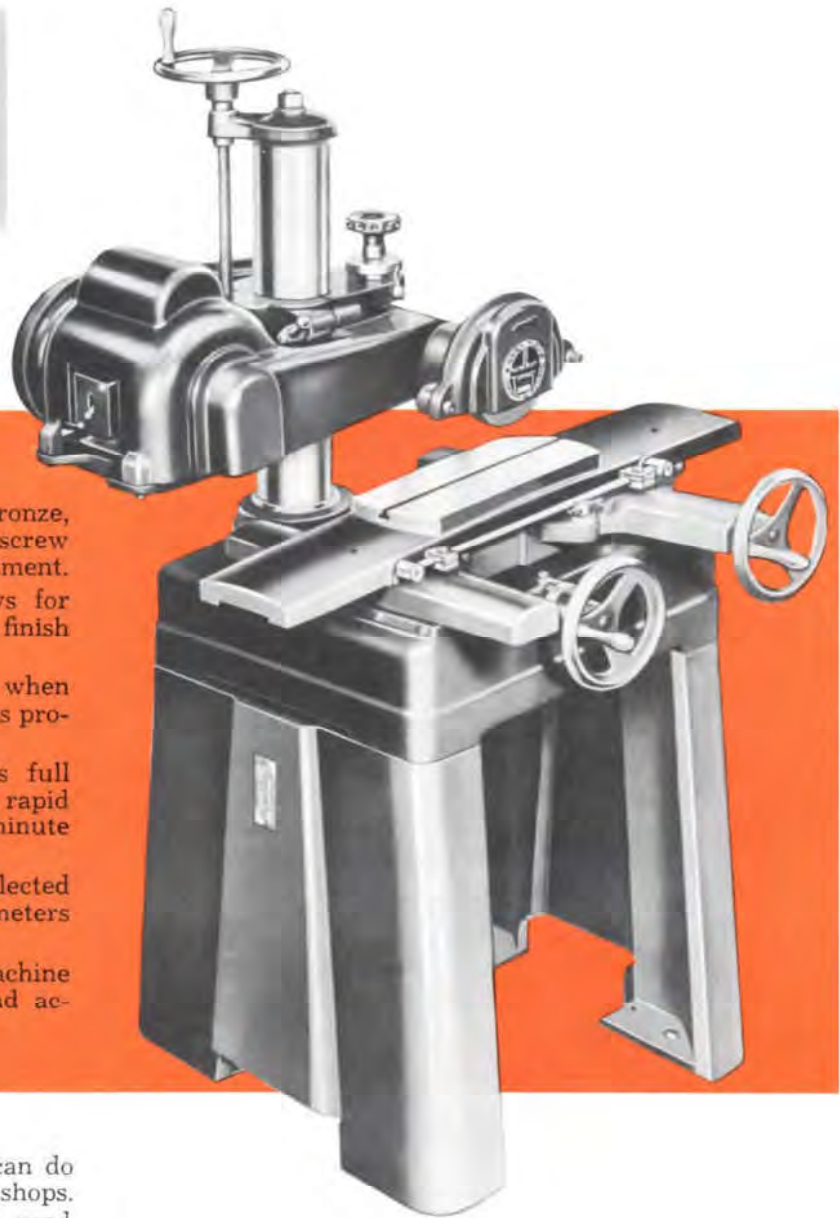
Lamp Attachment, complete. Same as furnished with machines. 2 lbs. **No. 25-857**

Water Pot, with faucet. Same as furnished with machine. **No. 1663**

Miter Gauge. Same as furnished with machine. **No. 31-804**

WALKER TURNER

SURFACE GRINDER



GIVES YOU . . .

PRECISION SPINDLE CONSTRUCTION—Pre-tested bronze, ring oiling bearing . . . non backlash vertical feed screw in spindle housing . . . easy vertical spindle adjustment.

TRUE SURFACE LONGITUDINAL SLIDE—Long ways for extra solidity . . . guaranteed true surface is finish ground by its own spindle.

LOCKABLE CROSS SLIDE—Can be locked to base when transverse travel is not required . . . canvas covers protect transverse screw.

FULL SWIVEL COLUMN—Husky column swivels full 360°. Large handwheel at top of column permits rapid vertical adjustment . . . micrometer screw for minute adjustments.

DYNAMICALLY BALANCED PULLEYS—Specially selected and fully machined for concentricity of pitch diameters with bore.

BALANCED MOTOR—Motor, motor pulley and machine are balanced together for extra smoothness and accuracy.

This low cost Walker-Turner Surface Grinder can do 90% of the precision grinding operations in most shops. Because it is portable and versatile, it can be used everywhere . . . in the model shop . . . experimental department . . . toolroom or right in the production line. Frequently Walker-Turner Surface Grinders entirely eliminate the need for heavy, expensive equipment. Convenient, easy-to-operate controls permit simple set-up and operation by male or female, experienced or beginner operators. In addition, Walker-Turner quality

construction assures years of heavy-duty, accurate performance.

And you can do three precision grinding operations with one basic Walker-Turner Surface Grinder.

SPECIFICATIONS

OVERALL DIMENSIONS

Width	34"
Front to rear	33"
Height	65½"

CAPACITIES

Maximum surface that can be ground	6 x 13½"
Maximum space under 7" wheel to table	11½"
Maximum diameter of cutter that can be sharpened between centers of *Grinder Attachment:	
With cup wheel	8"
With dish wheel	10"
Maximum diameter of saw blade that can be sharpened held in *Unihead	16"

SPINDLE SPEEDS WITH 2-STEP V PULLEY

With 1725 RPM motor	3200 and 4200 RPM
With 1425 RPM motor	2700 and 3500 RPM

TABLE

Longitudinal travel by rack and pinion	13½"
Transverse travel by Acme thread screw	7"
Transverse travel, one graduation	.001"

Transverse travel, one complete turn of hand wheel	.100"
Surface Area	5¾ x 13"
T-slot for ¾" T-bolts	7/16"

COLUMN

Diameter	4"
Swivel	360°

VERTICAL HEAD ADJUSTMENT

Positioned to work by Acme thread screw	
Micrometer head adjustment:	
Maximum travel	¾"
One graduation	.0005"

WHEELS USED (1¼" hole)

Size of straight wheel	7 x 1½"
Size of cup wheel	4 x 1½"
Size of dish wheel	6 x 1½ x 5/16"

*Not furnished as standard equipment.

another



product

CUT MACHINERY COSTS!

One Low Cost Walker-Turner Surface
Grinder Performs Three Important
Operations



IT'S A SURFACE GRINDER!

Performs standard surface grinding operations quickly and effectively with a minimum of investment and floor space. Has big 11½" capacity under a 7" wheel. (Magnetic chuck shown not sold by us).



IT'S A CHIP-BREAKER GRINDER!

Accurately grinds the chip-breaker groove in carbide tipped tools. Univise attachment (No. 74-050), holds the tool at any desired angle and set-ups can be exactly duplicated. Also required: Coolant Attachment (No. 24-906.)



IT'S A TOOL AND CUTTER GRINDER!

Sharpens straight and angular small tools and cutters. Illustrations show just a few of many applications.

- 1. MILLING CUTTER** — Required accessories: Grinder Attachment with Center (No. 74-051) and Unihead (No. 74-054).
- 2. TAPER REAMER** — Required accessory: Grinder Attachment (No. 74-051).
- 3. SAW BLADE** — Required accessories: Grinder Attachment (No. 74-051) and for blades over 10", Unihead (No. 74-054).

catalog listing

SURFACE GRINDER FOR SINGLE PHASE OPERATION

Includes: 2-step spindle pulley, 2¾" in diameter; 2-step motor pulley, 5¹⁵/₃₂" in diameter, ½" bore; V-belt; guard for belt; guard for straight wheel; motor cover; No. 24-816 wheel adapter; holder for diamond-pointed wheel dresser; three hand wheels; wrenches (spanner, box and hexagon); pair of legs; and No. 62-610 ½ HP 115/230 V, 60 cy, AC, balanced motor (includes switch and 8'-115 volt cord set with 3 prong plug and adapter. 767 lbs. **No. 74-000**

SURFACE GRINDER FOR THREE PHASE OPERATION

Same as No. 74-000 except includes No. 66-320 ½ HP, 208-220/440 V, 50/60 cy, AC, balanced motor instead of motor listed above. Without starter for motor, 761 lbs. **No. 74-002**

MOTOR CONTROLS AND MOTORS

Manual Starter, size O, across-the-line type. Recommended for No. 74-002 Grinder. Specify motor voltage when ordering. 6 lbs. **No. 1320**

Magnetic Starter, size O, across-the-line type, for 60 cy, 440 V only. Recommended for No. 74-002 Grinder. 6 lbs. **No. 49-394**

Magnetic Starter, size O, across-the-line type, for 60 cy, 208-220 V only. Recommended for No. 74-002 Grinder. Specify motor voltage when ordering. 6 lbs. **No. 49-393**

Motor Replacement Group for Single Phase Operation: Consists of No. 62-610 motor, 2-step motor pulley 5¹⁵/₃₂" in dia., and No. 49-115 V-belt balanced together for Surface Grinder. 43 lbs. **No. 24-830**

Motor Replacement Group for Three Phase Operation: Consists of No. 66-320 motor, 2-step motor pulley 5¹⁵/₃₂" in dia., and No. 49-115 V-belt balanced together for Surface Grinder. 35 lbs. **No. 24-831**

ACCESSORIES

Wheel, 7 x ½", aluminum oxide, 1¼" hole, for soft material, balanced to within 1/10 inch ounce. 2 lbs. **No. 24-807**

Wheel, 7 x ½", aluminum oxide, 1¼" hole, for hard material, balanced to within 1/10 inch ounce. 2 lbs. **No. 24-808**

Standard Dish Wheel, Type 12, 6 x ½ x 5/16", aluminum oxide, 1¼" hole. 5 lbs. **No. 24-973**

Standard Cup Wheel, Type 11, 4 x 1½", aluminum oxide, 1¼" hole. 5 lbs. **No. 24-974**

Adapter for wheels with 1¼" hole. Includes collar for straight wheels up to ½" wide, 4 x 1½" cup wheels, and 6 x ½ x 5/16" dish wheels. Extra collar supplied for 3½" x 1½" cup wheels. Same as adapter supplied with machine. Order an extra adapter for each kind of wheel to be used to eliminate centering and dressing wheel each time wheel is changed. 2 lbs. **No. 24-816**

Diamond-pointed Wheel Dresser, with 7/16 x 2" body. ½ lb. **No. 24-805**

Lamp Attachment, adjustable goose neck type with nylon shield, mounting bracket, switch, 8 foot cord and two prong plug. Uses light bulb up to 100 watts (not included). 2 lbs. **No. 25-857**

Spindle Oil, Velocite-E. ½ pt. can. **No. 24-812**

NOTE: For information on Unihead, Univise, Tool & Cutter Grinding Attachment and Coolant Attachment, see page 34. For information on Dust Collector and Attachment Packages, see page 35.



UNIHEAD

FULLY ADJUSTABLE WORK HEAD
WITH RAPID INDEXING FEATURE



No. 24-970

You can do saw blade and cutter grinding and sharpening accurately and quickly with the aid of this unit. Can be used with the Surface Grinder and other types of machines.

Unihead consists of heat treated sleeve with a No. 9 Brown and Sharpe taper accurately mounted in lubricated-for-life ball bearings, and an adjustable index stop collar and dog that can be disengaged or set in any convenient position.

Furnished with a 12 tooth index collar with selector plate that permits the dog to automatically engage 2, 3, 4, 6 or 12 equal selected spaces. Has swivel bracket with 360° graduation and base with removable keys that engage table. Can be used with No. 74-051 Tool and Cutter Grinder Attachment.

CATALOG LISTING

Unihead with 12 tooth collar with selector plate to engage 2, 3, 4, 6 or 12 selected equal spaces. 27 lbs. No. 74-054
For information on Tooth Stop unit (not furnished with Unihead) see listing below.

INDEXING COLLARS

Indexing collars cover a wide range of combination spacing and should be ordered separately as required.

36-tooth plain collar for 2, 3, 4, 6, 9, 12, 18 and 36 equal spaces.

$\frac{3}{4}$ lb. No. 24-957

34-tooth plain collar for 17 and 34 equal spaces. $\frac{3}{4}$ lb. No. 24-958

33-tooth plain collar for 3, 11 and 33 equal spaces. $\frac{3}{4}$ lb. No. 24-959

32-tooth plain collar for 2, 4, 8, 16 and 32 equal spaces. $\frac{3}{4}$ lb. No. 24-960

30-tooth plain collar for 3, 5, 6, 10, 15 and 30 equal spaces. $\frac{3}{4}$ lb. No. 24-961

28-tooth plain collar for 4, 7, 14 and 28 equal spaces. $\frac{3}{4}$ lbs. No. 24-962

26-tooth plain collar for 13 and 26 equal spaces. $\frac{3}{4}$ lbs. No. 24-963

24-tooth plain collar for 2, 3, 4, 6, 8, 12 and 24 equal spaces. $\frac{3}{4}$ lb. No. 24-964

Blank collar. $\frac{3}{4}$ lb. No. 24-965

TOOTH STOP UNIT

Consists of 1 bracket, 2 bars, 1 clamp and tooth stop with 2 fingers (this unit is furnished with Tool and Cutter Grinder Attachment No. 74-051) 5 lbs. No. 24-970

UNIVISE

RIGID, MASSIVE UNIVERSAL VISE FOR
GRINDING, DRILLING AND MILLING



The Univise is a ruggedly built universal vise ideal for grinding, drilling and milling operations. It is composed of four separate parts, each of which can be rotated and independently set to permit settings at any angle desired. Each part has a 360 degree scale and each station is marked so that simply by recording the various settings errors are eliminated. This means settings can easily and quickly be made right from blueprints.

The Univise is 5 $\frac{3}{16}$ " high, 6" wide and 7 $\frac{3}{4}$ " long and the jaws take up to 1 $\frac{1}{2}$ " tools. Two of the parts rotate a full 360 degrees. It is versatile enough to fit any surface or tool grinder and has detachable keys in the base to permit its use on a magnetic chuck, drill press or other machine without table slots. Univise Complete 16 lbs. No. 74-050

WALKER-TURNER COOLANT ATTACHMENT



It is essential that the resinoid bonded diamond wheels used in chip-breaker grinding be kept cool to assure prolonged wheel life and efficiency. An efficient Walker-Turner Coolant Attachment will provide just the proper amount of coolant for this operation. The unit is readily adjustable to different size wheels and can be easily and quickly removed if necessary. An adjustable double purpose wick regulates the amount of coolant brought to the wheel and also helps keep the wheel clean. Coolant Attachment, complete. Wt. 3 lbs. No. 24-906

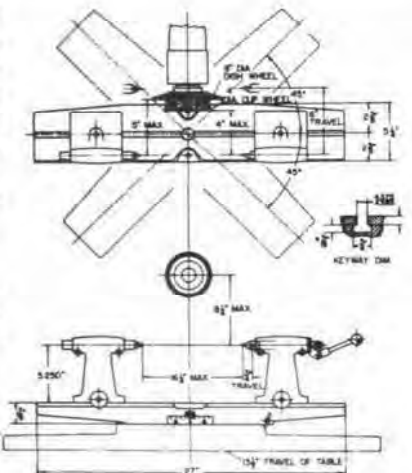
GRINDER ATTACHMENT

PERMITS PROFESSIONAL TOOL AND CUTTER GRINDING ON THE WALKER-TURNER SURFACE GRINDER



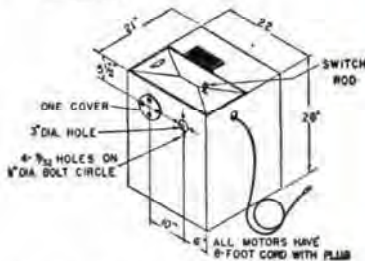
This precision engineered grinder attachment converts the Walker-Turner Surface Grinder to an effective tool and cutter grinder. Many types of small tools and cutters can be held and accurately and quickly sharpened with the aid of this unit.

Consists of swivel table with head and tail stocks and No. 24-970 tooth stop unit, 2 wheel guards and support bracket. For use on Nos. 74-000 and 74-002 Surface Grinders. Weight 82 lbs. No. 74-051



METAL DUST COLLECTOR

Protects Machinery . . . Guards Health . . .
Improves Efficiency



The low cost Walker-Turner Metal Dust Collector is a self-contained portable unit that will efficiently collect fine and coarse metal dust keeping the harmful dust off expensive machinery as well as protecting the machine operator's health.

This Dust Collector is universal in application with openings so located that it can be attached to all types of abrasive units. Its many features include a husky pressed steel cabinet, large door at back for easy access to filter, an efficient squirrel type fan and a 1/3 HP lubricated-for-life ball bearing motor contained in a separate dust proof compartment. Unit measures 21" x 22" x 28" high.

Attachment packages are available (see listing) for direct connection to the Walker-Turner Surface Grinder, 7" Standard Grinder and many other machines.

CATALOG LISTING

DUST COLLECTOR FOR SINGLE PHASE OPERATION—Complete with 8' cord with plug and 1/3 HP, 115/230V, 60 cy, single phase 3450 RPM motor. 120 lbs. **No. 49-520**

DUST COLLECTOR FOR 3 PHASE OPERATION—Complete with 8' cord with plug and 1/3 HP, 208-220/440V, 50/60 cy, 3 phase 2850/3450 RPM motor. 120 lbs. **No. 49-521**

VOTE: These dust Collectors are not suitable for collecting shavings, saw dust, etc.

Accessories

Extra Standard Filter. 8 lbs. **No. 49-529**

Filter Pad Holder with two expanded Filter Pads. 7 lbs. **No. 49-531**

Twenty-four Expanded Fiber Filter Pads in carton. For fine dust. 15 lbs. **No. 49-532**

Attachment Packages

(Include Connection Fitting)

Surface Grinder Attachment. 19 lbs. **No. 24-819**

7" Standard Grinder Attachment. 8 lbs. **No. 23-802**

Belt and Disk Finishing Machine Attachments.

For Belt Unit. 7 lbs. **No. 31-856**

For Disk Unit. 12 lbs. **No. 31-681**

Available Connection Fittings

Flex. Rubber Hose, 2-5/16" I.D. x 20" long. 2 lbs. **No. 49-533**

Flex. Rubber Hose, 3" I.D. x 22" long. 2 lbs. **No. 49-534**

Flex. Rubber Hose, 3" I.D. x 48" long. 5 lbs. **No. 49-535**

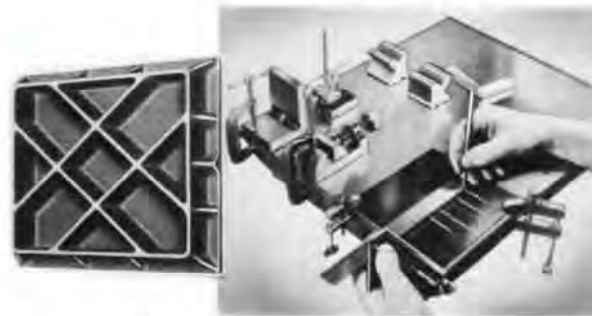
Cast Iron Flanges with Screw and Nozzle for 2-5/16" hose. 2 1/2 lbs. **No. 49-538**

Cast Iron Flanges with Screw and Nozzle for 3" hose. 2 3/4 lbs. **No. 49-539**

Hose Clamps, adjustable to hose. 1/2 lb. **No. 49-541**

LAYOUT PLATES

Convenient, Low Cost Plates
for Layout Work



These Walker-Turner Layout Plates provide all the essential features of a 100% useful surface plate at low cost:

- **TRUE TOP SURFACES**
- **PROPERLY RIBBED CASTINGS** (see photo)—to insure that the surface stays true.
- **ADEQUATE LEDGES**—for positive clamping of vises, angle plates, etc.
- **MACHINE SQUARE EDGES**—edges are machined square with one another and with the surface.

Walker-Turner Layout Plates have a corner to corner out of flat tolerance of + or - .0005. They can be easily and economically made into precision plates simply by scraping to a master plate, or to each other.

Layout Plate, 15"x18"x3". 63 lbs.

No. 49-400

Layout Plate, 16"x22"x3". 71 lbs.

No. 49-401

ARBOR HEAD & COMPONENTS

For Special Grinding Applications



ARBOR HEAD

Engineered for accurate, rugged work and long life. 5/8" arbor runs in sealed, lubricated-for-life ball bearings. Arbor Shaft extends 3 1/2" out from the inner flange on both sides of head . . . shaft ends have a 2 1/2" ground Acme thread to accommodate contact rolls and wheels from 7/8" to 2 7/8" in width.

Arbor Head, complete with dynamically balanced arbor pulley, two No. 560 drive belts, two 2-11/32" dia. flanges with nuts to fit 5/8" arbor. 31 lbs. **No. 31-317**

RUBBER CONTACT WHEEL

Designed to give a better finish in less time and to increase belt life. Tires may be interchanged on the hub which is designed for permanent use.

Rubber tire for Contact Wheel, 2 1/2" wide, 6" dia., 30-40 durometer (med. soft, with 45° serrations). Can be used up to 7500 s.f.p.m. For wood or metal work—stampings, die castings, forgings and contour grinding. 6 1/2 lbs. **No. 31-875**

Hub for Contact Wheel, 5/8" bore, includes bushing and washer for mounting No. 31-875 tire and other type tires with same mounting dimensions. 6 1/2 lbs. **No. 31-876**

Rubber Contact Wheel, complete. Consists of No. 31-875 Tire and No. 31-876 Hub. 12 lbs. **No. 31-877**



2 3/4" BACKSTAND IDLER UNIT

Has hand knob belt tracking control and lateral belt adjustment control. True-running 2 3/4" x 5 3/8" dia. drum is carried on sealed, lubricated-for-life ball bearings. Complete with mounting bolts and instructions. 20 lbs. **No. 31-431**

4" BACKSTAND IDLER UNIT

Ideal for converting polishing lathes and bench grinders to modern coated abrasive belt grinding and polishing units.

This truly outstanding, low cost unit, has hand knobs for belt tracking and tensioning control and lateral adjustment provision. Lever enables tension to be instantly released for belt changing.

Unit has 4" wide x 5 3/8" dia. drum which is carried on sealed, lubricated-for-life ball bearings. Complete with mounting bolts and instructions. 20 lbs. **No. 31-425**

W T ALKER TURNER

BELT and DISC FINISHING MACHINE

... versatile 4 x 52½-inch belt and precision 12-inch disc finishing machines, combined in a single compact unit for maximum operating efficiency and greater job economy.

SAVES TIME . . . SPACE . . . AND MONEY

With the two machines mounted on one stand and operated by one motor, you save valuable shop space . . . keep your motor costs to a minimum. You eliminate lost motion, too. You can move from one machine to the other—in seconds—as required when finishing curved, straight or irregular shaped products.

The Walker-Turner Belt and Disc Finishing Machine is capable of performing more than 90% of all your custom or production finishing operations. It's excellent for grinding or surfacing, also polishing steel components, die castings of various metals, plus aluminum, brass and copper parts . . . for sanding wood . . . for finishing plastics and a wide variety of other materials.



Belt and Disc Finishing Machine shown with Retractable Casters



Belt and Disc Finishing Machine with Metal Dust Collector. For complete information on dust collector and attachment packages, see page 35.

SPECIFICATIONS



OVERALL DIMENSIONS (on steel stand):

Width	25"
Height	43"
Depth	32"

BELT FINISHING MACHINE:

Belt	4½" x 52½"
Platen	4½" x 12"
Height—platen to floor	39"
Speed (with 1725 rpm motor)	3320 fpm

DISC FINISHING MACHINE

Disc	12" dia.
Table size	9¾ x 16¼"
Height—table to floor	35½"
Table tilt	20° toward 45° away from disc
Speed (with 1725 rpm motor)	2415 rpm

INCREASE PRODUCTION...LOWER COSTS IN YOUR FINISHING OPERATIONS WITH THE WALKER-TURNER BELT AND DISC FINISHING MACHINE



Accurately finish close-tolerance metal and wood patterns. Fully machined disc is balanced for vibration-free operation. 9 $\frac{3}{4}$ x 16 $\frac{1}{2}$ -inch table furnishes ample work support, even for finishing extra large patterns.



Finish small, hard-to-handle parts. 4 $\frac{1}{4}$ x 12-inch platen can be reversed for underside belt finishing operations or removed for free-hand finishing of odd shaped parts, where firm back support is not required.



Miter gauge (optional extra) makes chamfering, beveling, mitering and end-sanding operations easy. Table can be tilted 20° toward and 45° away from disc for compound angle finishing . . . tilt scale simplifies table settings.



NEW Plane Blade Grinding Attachment (Accessory, No. 31-690) facilitates hollow grinding of plane irons, wood chisels, lathe chisels and other often-used cutting tools. Abrasive belt grinding eliminates excessive heat generation — prevents loss of cutting tool temper.



Use the belt unit for finishing flat work. Rigid backstop prevents work, especially small parts, from being carried along with the belt. Note adjustable deflector and also built-in spout on belt end guard for attaching dust collecting system.



Contour finishing operations are easily handled on the idler drum. Belt tensioning and tracking controls are completely out of the way to facilitate finishing operations of extra large, irregular pieces that must be handled on the belt unit.

catalog listing

4" BELT & 12" DISC FINISHING MACHINE:

Includes No. 5350 motor pulley ($\frac{3}{4}$ " bore), No. 340 V-belt. No. 1427 garnet disc (50 grit, medium), No. 31-652 Al. Oxide belt (60 grit medium), No. 50-435 steel stand and No. 31-661 guard for V-belt and pulley.

Floor Model. 170 lbs.

No. 31-605

Bench Model. (Less No. 50-435 stand and No. 31-661 guard) 120 lbs.

No. 31-600

4" BELT & 12" DISC FINISHING MACHINE

FOR SINGLE PHASE OPERATION:

Same as No. 31-605 except includes No. 83-510 1 HP, 115/230 V, 60 cy. 1725 RPM motor with cord, plug and No. 49-385 remote control switch. 240 lbs.

No. 31-611

4" BELT & 12" DISC FINISHING MACHINE

FOR THREE PHASE OPERATION:

Same as 31-605 except includes No. 86-920 1 HP, 208-220/440 V, 50/60 cy. 1425/1725 RPM motor, No. 1320 manual starter and No. 49-317 mounting bracket. 231 lbs.

No. 31-613

ACCESSORIES

4 x 52 $\frac{1}{2}$ " Abrasive Belts		
Type	Grit	No.
Aluminum Oxide	36, coarse	31-651
Aluminum Oxide	60, medium	31-652
Aluminum Oxide	120, fine	31-653
Garnet	40, coarse	31-659
Garnet	80, fine	31-660

12" Abrasive Discs Package of Six		
Type	Grit	No.
Garnet	50, medium	1427
Aluminum Oxide	60, medium	1428

Disc Adhesive. 1 lb. No. 49-503
Miter Gauge. Complete with stop rods. For Disc Finishing Machine. 4 lbs. No. 78-066
Guard for V-Belt & Pulley. For added operator safety. 2 lbs. No. 31-661
Steel Stand. 29" high with 18" x 26" top. 48 lbs. No. 50-435
Retractable Caster Set. For No. 50-435 Stand. Makes floor model unit portable. 12 lbs. No. 49-359

Plane Blade Grinding Attachment. Complete with fully machined tilting table, adjustable quadrant and tool holder. 6 lbs. No. 31-690



CUT-OFF MACHINES



70-030 High Speed
Cut-Off Saw



70-010 High Speed
Abrasive Cut-Off Machine

Walker-Turner Cut-Off Machines can save you time and money wherever you require rapid, precision cutting of materials. Use them to *replace slower hand or power sawing methods in your operation!*

Choose the machine right for your operation

The Walker-Turner High Speed Abrasive Cut-Off Machine quickly and accurately cuts all types of ferrous metals in bar, rod or tubing stock. *Even hardened steel can be quickly and accurately cut.*

The Walker-Turner High Speed Cut-Off Saw saves time and money in cutting non-ferrous metals, woods or plastics.

Both machines are similar — only the work holding devices are different. They can be readily converted from one type cutting operation to the other with the parts packages available as accessories.

These "Light-Heavyweights" are ruggedly built for continuous cutting accuracy in every operation. Powerful triple V-belt drive, 3 HP motors assure faster, truer, cleaner cuts . . . frequently eliminating finishing operations.

Heads on all models are factory mounted at 90° or 45°, or you can readily change them to either angle right in your shop.

SPECIFICATIONS

OVERALL DIMENSIONS

Height 54½" Width 27" Depth 33"

CAPACITIES:

HIGH SPEED ABRASIVE CUT-OFF MACHINE (Ferrous)

Round bar 1¼" dia.
Tubing 3" dia.
(when cutting with new wheel)

HIGH SPEED CUT-OFF SAW (Non-ferrous)

Round bar 1½" dia.
Tubing 3" dia.

SPEEDS (with 1725 rpm motor)

3,720 RPM 11,710 FPM
Blade or Wheel diameter (maximum) 12"
Arbor hole 1"
Drive matched set of 3 V-belts
Table Surface 17 x 22¾"
Table Height 35½"
Table drilled for mounting head at 45° degrees if desired.

catalog listing

HIGH SPEED ABRASIVE CUT-OFF MACHINE FOR FERROUS METALS

Includes 3 HP, 208-220/440 V, 3 phase, 60 cy, 1725 RPM motor, No. 51-013 V-belts, No. 51-042 motor pulley, magnetic motor starter, floor stand, "V" blocks and work lamp. Less abrasive wheel. Specify voltage when ordering.

Floor Model 452 lbs. No. 71-010
Bench Model. (Less floor stand and motor starter.) 365 lbs. No. 70-000

HIGH SPEED CUT-OFF SAW FOR WOOD, PLASTIC AND NON-FERROUS METALS

Includes 3 HP, 208-220/440 V, 3 phase, 60 cy, 1725

RPM motor, No. 51-013 V-belts, No. 51-042 motor pulley, magnetic motor starter, floor stand, fence (adjust 45° or 90°) chip guard, and valve linkage assembly. Less saw blade. Specify voltage when ordering. 480 lbs. No. 70-030

AIR OPERATED HIGH SPEED CUT-OFF SAW FOR WOOD, PLASTIC AND NON-FERROUS METALS

Same as No. 70-030 except includes No. 70-821 air feed unit and No. 70-822 mist coolant unit, mounted ready to operate. No. 70-040

AIR OPERATED HIGH SPEED CUT-OFF SAW

For Rapid Production Operations and Automatic Workfeed Set-Ups

The basic Walker-Turner High Speed Cut-off Saw is available complete with a foot controlled Air Feed unit and built-in Mist Coolant System.

The Air Feed Unit permits ready adaptation to hand or foot controlled work feeding devices for automatic, high production work.

The Mist Coolant System provides complete blade lubrication under all cutting conditions without coolant waste.



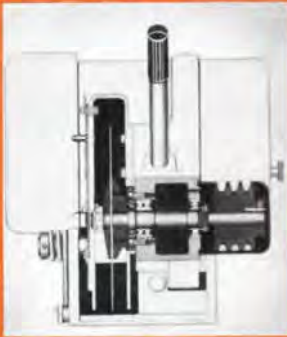
70-040 Air Operated Cut-Off Saw.

get ALL these **BIG** performance features at **LOW** cost



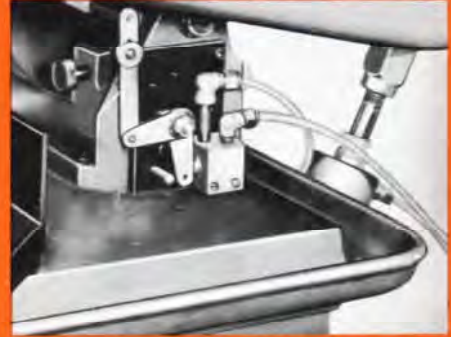
RUGGEDLY BUILT THROUGHOUT

"Built-to-take-it" features such as the big 1" diameter spindle, sealed-for-life, double row spindle nose bearings, a large diameter flange washer and a heavy duty return spring mean continuous accuracy . . . extra speed . . . in every type of cutting operation.



POWERFUL DRIVE

The triple V-belt drive and extra powerful, heavy duty 3 HP motor provide smooth cutting performance under heaviest work loads. Totally enclosed motor has an overload capacity of up to 7 HP.



QUICK CONVERSION TO AUTOMATIC OPERATIONS

Cut-Off Saws are complete with a valve linkage assembly that accurately adjusts to control coolant attachments and air feeds as illustrated.

ACCESSORIES



AIR FEED ATTACHMENT

Easily installed Air Feed Unit includes all the necessary components to operate a double acting air feed cylinder. Unit is completely piped and ready to operate.

Air Feed Unit including filter, regulator, gauge, oiler, four way valve with speed controls, 2" diameter by 4" stroke air cylinder, mounting bracket, foot valve and return valve. No. 70-821



MIST COOLANT

Effectively applies any type of water soluble coolant to saw blade operating at high speeds. Positive controls permit changing the mist characteristics from an invisible fog to a solid stream . . . applies coolant only during the actual cutting stroke.

Mist Coolant Unit including mounting brackets and control valve. No. 70-822



RECIRCULATING COOLANT

Supplies flow of coolant only during the cutting stroke in operations requiring use of a recirculating Coolant system. Economical and effective in operation. Recirculating Coolant Unit including 110V 60 cy. motor, pump, reservoir, piping valve and table nozzle. No. 70-823





VARIABLE SPEED 20" BAND SAW

A machine that combines massive ruggedness, big capacity and powerful cutting action with the "most wanted" band saw features of flexibility, accuracy and safety — *all at low cost!*

Designed for use in machine shops . . . tool rooms . . . foundries . . . pattern shops . . . cabinet shops . . . schools — wherever heavy duty production or specialized cutting operations are performed on ferrous and non-ferrous metals.

The Walker-Turner 20" Band Saw represents the most forward step in band saw development to date. It features a Wide Range Variable Speed Drive . . . Scientifically Designed Blade Guides . . . Rugged Construction . . . plus many outstanding "extras," all furnished as standard equipment — at no extra cost!

**WALKER-TURNER
BAND SAW BLADE WELDER**
Complete information,
page 44.



SPECIFICATIONS

CAPACITY	
Blade to column	19 ³ / ₄ "
Maximum Height under Top Guide	12"
Height under Upper Wheel Guard	12 ¹ / ₈ "
SPEEDS (with 1725 rpm motor)	
Infinite choice of Speeds in Gear Drive	50 to 380 fpm
Infinite choice of Speeds in Direct Drive	600 to 4500 fpm
OVERALL DIMENSIONS	
Front to Rear	29 ¹ / ₂ "
Left to Right	41 ¹ / ₂ "
Height	78 ¹ / ₂ "
FLOOR SPACE REQUIRED	20x32"

TABLE	
Size	3x24 ¹ / ₄ x24 ¹ / ₄ "
Front to Center of Blade	10 ¹ / ₂ "
Size of Groove for Miter Gauge	3 ³ / ₈ x3 ³ / ₄ "
Center of Groove to Blade	4 ¹ / ₈ "
Tilts	12" left and 45" right
Height from floor	42 ³ / ₈ "
BLADE	
Length	Standard 141", Maximum 142 ¹ / ₂ ", Minimum 139"
Maximum Width	1"
CHIP CHUTE CONNECTION DIAMETER	2 ¹ / ₄ "
APPROX. SHIPPING WEIGHT with MOTOR and SWITCH	790 lbs.



WALKER-TURNER WIDE RANGE VARIABLE SPEED DRIVE

. . . enables you to select the exact speed — from 50 to 4500 FPM — for cutting everything from stainless steel to aluminum.



Perfect drive arrangement features a massive, short, alloy-steel lower wheel drive shaft and a precision balanced drive wheel with sealed, double-row ball bearing to minimize vibration and guarantee positive, smooth power transmission at all cutting speeds.



Eye-level mounted blade and speed selection chart aids in choosing the right speed and saw blade for cutting a wide variety of materials.



Convenient variable speed control permits easy, accurate speed changes. You can change speeds instantly, as required, while the machine is running once gear train lever is set in proper range.

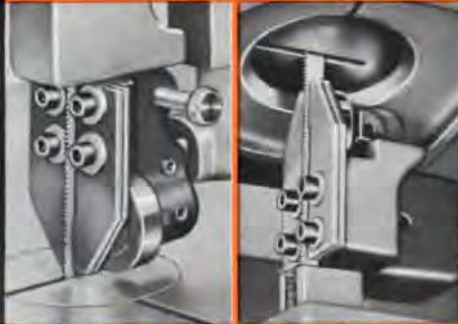
"YEARS AHEAD" WALKER-TURNER 20" BAND SAW FEATURES NEVER BEFORE AVAILABLE!

RUGGED CONSTRUCTION

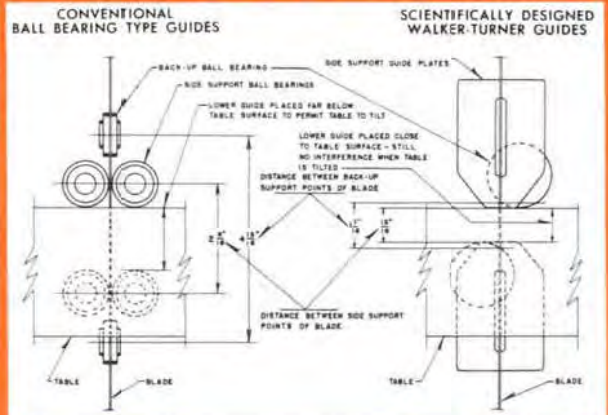


Heavily ribbed 24 1/4" x 24 1/4" tilting table is mounted on widely spaced trunnions at front and back. It features an additional side support bracket to support "extra-heavy" work loads.

NEW SCIENTIFICALLY DESIGNED BLADE GUIDES



Maximum blade support for straighter cuts and longer blade life. Blade guides provide side thrust support right down to the work—lower guide supports blade only 13/16" from the table surface, husky ball bearing thrust support, and solid bar upper guide post absorb back thrust. Handles blades up to 1" wide—no "additional-cost" guides or time wasting guide changes are required.



- 3-point adjustability for perfect alignment of key components (wheels, blade guides and table) assure greater operating efficiency.
- Blower (furnished as standard equipment) keep cutting line free of chips. Built-in chute carries away chips. Separate chip removal brushes thoroughly cleans blade and tire.
- Massive, internal frame with full length cylindrical steel column gives you "strength where it counts" for maximum rigidity.

- Lightweight, precision balanced band saw wheels fully machined concentric with shaft holes lessen starting load, eliminate vibration and attain operating speed quickly.
- Modern fabricated exterior completely encloses all moving parts for safety.
- Convenient foot operated wheel brake quickly stops wheels . . . an additional safety feature.

catalog listing

STANDARD EQUIPMENT—All models include motor and motor control, variable speed drive complete with Nos. 49-163 and 49-164 V-belts, motor pulley, chip blower with air line and nozzle, adjustable table support rod, counterbalance for upper guide, receptacle box for lamp and blade welder, mechanical wheel brake, chip chute, two chip removal brushes, blade and speed selection chart and No. 28-865 metal cutting blade.

20" VARIABLE SPEED BAND SAW FOR SINGLE PHASE OPERATION:

With 1 HP, 230 V, 60 Cy. Motor. Includes No. 83-560 1 HP motor with toggle switch and 8-foot grounding type cord and 3 prong tandem blade plug, mounted and wired. No. 28-501

20" VARIABLE SPEED BAND SAW FOR THREE PHASE OPERATION:

With 1 HP 208-220 V, 60 Cy. Motor and Manual Starter. Includes No. 86-920 1 HP motor and No. 1320 manual starter with overload protection, mounted and wired. No. 28-502

With 1 HP, 440 V, 60 Cy. Motor and Manual Starter. Same as No. 28-502, except wired for 440 volt operation. No. 28-503

With 1 1/2 HP, 208-220 V, 60 Cy. Motor and Manual Starter. Includes No. 87-120 1 1/2 HP motor and

No. 1320 manual starter with overload protection, mounted and wired. No. 28-508

With 1 1/2 HP, 440 V, 60 Cy. Motor and Manual Starter. Same as No. 28-508 except with No. 87-120 1 1/2 HP motor. No. 28-509

With 1 HP, 208-220 V, 60 Cy. Motor and Magnetic Starter. Includes No. 86-920 1 HP motor, No. 49-393 magnetic starter with low-voltage, no voltage and overload protection, mounted and wired. No. 28-505

With 1 HP, 440 V, 60 Cy. Motor and Magnetic Starter. Same as No. 28-505 except with No. 49-394 magnetic starter for 440 volt operation. No. 28-506

With 1 1/2 HP, 208-220 V, 60 Cy. Motor and Magnetic Starter. Includes No. 87-120 1 1/2 HP motor, No. 49-393 magnetic starter with low voltage, no voltage and overload protection, mounted and wired. No. 28-510

With 1 1/2 HP, 440 V, 60 Cy. Motor and Magnetic Starter. Same as No. 28-510 except with No. 49-394 magnetic starter for 440 volt operation. No. 28-511

Band Saw Tire. Quick change type. 21 lbs. No. 28-355

For detailed information on motors and motor controls see pages 46 and 47; for accessories see page 45.



W T ALKER TURNER

VARIABLE SPEED 16" BAND SAW

Built to give you top performance, extra safety and increased production . . . all at low cost!

For cutting all types of ferrous and non-ferrous metals, wood and plastic.



Lets you obtain exactly the right speed for everything cuttable—while the machine is running. Just turn the convenient hand wheel to get any speed from 50 to 3,500 FPM—a glance at the easy-to-read scale tells you the exact speed. It's as easy as dialing a radio!

Get all these "added value" features

- **BIG CAPACITY**—cuts to the center of a 32" panel . . . has a big 8" guide-to-table capacity.
- **STRONG CONSTRUCTION**—rigid, functional frame construction . . . extra sturdy base . . . dynamically balanced cast iron wheels mounted on precision, sealed-for-life ball bearings . . . rugged extra large table, complete with convenient guide bar.
- **SAFER OPERATION**—only the actual cutting area is exposed . . . hinged guards cover both wheels . . . belts and pulleys are fully enclosed . . . telescoping guard covers blade between upper guard and guide.

SPECIFICATIONS

CAPACITY

Blade to Frame 16"
Under Guide 8"

SPEED: 50 to 3500 FPM

DIMENSIONS:

Overall Height on Base 68 $\frac{3}{8}$ "
Width 33 $\frac{3}{4}$ "
Depth 28"

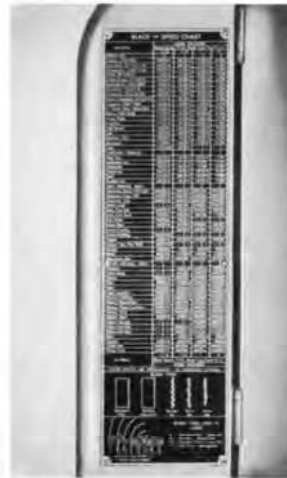
Table 18 x 19"
Table Tilt to right 45°, to left 5°
Miter Gauge Groove 3/4" x 3/8"
Blade Width, Maximum 3/4"
Blade Length (Standard) 111 $\frac{3}{4}$ "



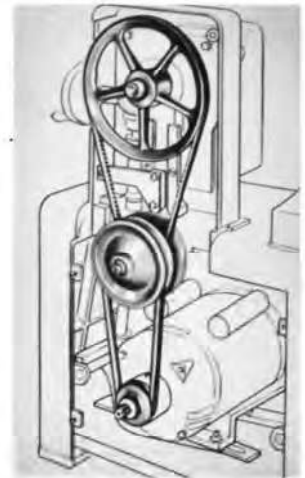
**Dial the Exact Speed
for every
Cutting Operation
with the
WALKER-TURNER
16" Variable Speed
BAND SAW**



Convenient hand wheel, "Hi-Lo" gear switch and easy-to-read speed scale make it easy to obtain any speed from 50 to 3500 FPM . . . speeds are changed while the machine is running.

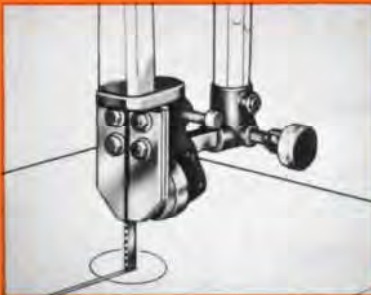


Handy Blade and Speed Chart mounted right on the machine aids in selecting the proper speed and saw blade for cutting 58 different materials.



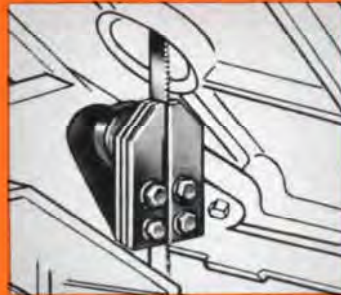
"Free Floating" Variable Speed Drive Pulley is mounted between motor and drive shaft to permit steady power transmission and accurate speed control.

**Get these WALKER-TURNER Quality Features
with every 16" BAND SAW**



RUGGED, EXTRA SAFE, GUIDES AND GUARD

Upper and lower guides are protective, multiple leaf, double contact guides that readily adjust to various blade widths . . . both guides have ball bearing thrust support rollers for extra rigidity, truer cutting . . . spring loaded lock screw holds upper guard firmly in place . . . telescoping guard covers blade regardless of guide position so that only the actual work area is exposed.



**QUICK, SURE BLADE
ADJUSTMENTS**

Tensioning and tracking mechanism is incorporated in the upper wheel unit . . . assembly is guided on two husky ground steel rods . . . has spring cushion that absorbs work shock. Large tension control handle and tracking knob are provided for quick adjustment.



**ACCURATE TABLE
ADJUSTMENT**

Large handle and convenient tilt angle scale make it possible to quickly tilt the table to the exact angle desired up to 45° right. A removable stop at 90° position also permits tilting table 5° left.

catalog listing

16" VARIABLE SPEED BAND SAW. Includes base, push-button switch, No. 49-264 lamp assembly, 1/2" metal cutting blade, guide bar, Nos. 51-012 and 49-167 V-belts and No. 51-025 motor pulley. Less motor. 644 lbs. **No. 78-010**

MOTORS

FOR SINGLE PHASE OPERATION
3/4 HP, 115/230 V, 60 cy, 1140 RPM Motor. 78 lbs. **No. 82-810**

FOR THREE PHASE OPERATION

3/4 HP, 208-220/440 V, 60 cy, 1140 RPM Motor. 65 lbs. **No. 86-810**

ACCESSORIES

Lamp Attachment. Complete with swivel type neck, shield, mounting bracket and switch. Uses 25 watt bulb. **No. 49-264**

Band Saw Tire. Quick-change type. **No. 78-051**

WALKER-TURNER BAND SAW ACCESSORIES FOR EXTRA CONVENIENCE and VERSATILITY

ACCESSORIES FOR 20", and 16" BAND SAWS

NEW WALKER-TURNER BUTT WELDERS

Enable you to weld your own blades from economical coiled stock . . . repair broken blades . . . or re-weld band saw blades in connection with special internal cutting operations!



Handles all types of blades — woodcutting, metal cutting, skip tooth— $\frac{1}{4}$ " to $\frac{3}{4}$ " wide. Incorporates a blade shear that assures square edges and uniform welds, built-in grinder and gauge for checking blade thickness at weld, push-button control for uniform annealing of blades, plus many other features for safe, convenient operation.

Equipped with carrying handle for portability, unit can be bench mounted or attached to band saw for time saving machine-side use.

Butt Welder, 115V, 30 amperes for 60 cy., single phase current only with 8-foot cord and 3-prong parallel-blade plug (grounding type). 59 lbs. **No. 28-460**

Butt Welder, for 230V, 15 amperes for 60 cy., single phase current only with 8-foot cord and 3-prong tandem-blade plug, and receptacle. 59 lbs. **No. 28-461**

Bracket for mounting butt welder to frame of 20" or 16" Band Saws. 21 lbs. **No. 28-462**



MITER GAUGE

For straight and angle cut-off work, and for multiple cut-off operations. Self indexing type. Can be accurately set in any position. Automatic stops at 30°, 45°, 75° and 90°. Miter Gauge with $\frac{3}{8}$ "x $\frac{3}{4}$ " guide bar complete with stop rods. 4 lbs. **No. 78-066**

ACCESSORIES for 20" BAND SAW



FENCE ATTACHMENT

Especially recommended for ripping and re-sawing lumber. Fence can be set anywhere from 15 $\frac{1}{2}$ " to the left of the blade to 25" to the right. Band saw table is drilled for easy installation. Fence Attachment including 2 $\frac{1}{2}$ "x27" Micro-Set fence with front and rear locks, two 44" tubular guide rails and mounting screws. 29 lbs. **No. 28-862**



LAMP ATTACHMENT

Brings light to your work right at the point where it is needed. Lamp Attachment, including 15" flexible gooseneck, nylon shield, mounting bracket, switch and 8-foot cord with 2-prong plug. 2 lbs. **No. 28-857**



BAND SAW BLADES All standard 141" Long

Metal Cutting Blades*			
Teeth Per In.	Width	Minimum Cutting Radius	Cat. No.
10	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	28-865
14	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	28-866
18	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	28-867
24	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	28-868

*Hard-edge, flexible-back with regular set for cutting all metals.

Skip Tooth Blades			
Teeth Per In.	Width	Minimum Cutting Radius	Cat. No.
4	$\frac{1}{4}$ "	$\frac{3}{4}$ "	28-890
4	$\frac{1}{2}$ "	1 $\frac{1}{2}$ "	28-892
3	$\frac{3}{4}$ "	2"	28-894
2	1"	For resawing	28-896

Wood Cutting Blades			
Teeth Per In.	Width	Minimum Cutting Radius	Cat. No.
5	$\frac{3}{8}$ "	$\frac{1}{2}$ "	28-875
5	$\frac{1}{4}$ "	$\frac{3}{4}$ "	28-876
5	$\frac{3}{8}$ "	1"	28-877
4	$\frac{1}{2}$ "	1 $\frac{1}{2}$ "	28-878
4	$\frac{3}{4}$ "	2"	28-879
4	1"	4"	28-880
3	$\frac{3}{4}$ "	For resawing	28-881
2	1"	For resawing	28-882

ACCESSORIES for 16" BAND SAW



FENCE ATTACHMENT

For ripping and re-sawing lumber. Fits guide bar furnished with machine. Fence Attachment with front lock handle, complete. **No. 78-050**



BAND SAW BLADES All standard 111 $\frac{3}{4}$ " long

Metal Cutting Blades		
Teeth per In.	Width	No.
10	$\frac{1}{2}$ "	78-061
14	$\frac{1}{2}$ "	78-062
18	$\frac{1}{2}$ "	78-063

Wood Cutting Blades		
Teeth per In.	Width	No.
5	$\frac{1}{4}$ "	78-053
5	$\frac{3}{8}$ "	78-055
5	$\frac{1}{2}$ "	78-060
5	$\frac{3}{4}$ "	78-065

LAMP ATTACHMENT

Readily swivels to put light on work exactly where it is needed. Uses 25 watt bulb. Lamp attachment, complete with switch. Same as furnished with machine. **No. 49-264**

V-BELTS

These V-belts are designed for perfect contact with sides of V-groove and V-step pulleys to assure maximum power transmission. Cords are saturated with pure liquid rubber imbedded in special rubber stock that carries off heat. All V-belts are the popular 4L section, except where indicated.



Outside Circumference	No.	Outside Circumference	No.
19 1/2"	49-127(j)	39 5/8"	49-115(b)
23"	49-126(e)	41"	51-005
24 1/8"	49-102(e)	41 1/8"	49-168(b)
25"	49-132	44"	51-006
25 1/8"	271	45"	51-013(ag)
28"	49-103(e)	45 1/8"	49-167(b)
28"	51-004	46"	51-007
28 1/8"	272	47"	51-008
29 1/8"	49-101	48"	51-009
31 1/8"	287	51 1/8"	49-142
31 1/2"	49-163(c)	52"	501
32 1/8"	273	52 1/2"	49-164(c)
33"	51-001	54 1/8"	520
34"	51-012	57 1/2"	49-135(c)
36 1/2"	340	58 3/16"	560
39"	14-833(i)	62 13/16"	49-108(ch)
39 1/2"	14-834(i)	64"	51-011(f)
		64 1/8"	49-109(ch)

(a) - Matched Set of Three
 (b) - Vibration Free
 (c) - Specially Constructed
 (d) - Matched Set of Four
 (e) - 3L Section

(f) - 5L Section
 (g) - Cog Belt
 (h) - Steel Reinforced Type
 (i) - Flat Type
 (j) - Special Width

PULLEYS



V-groove and V-step pulleys for use with V-belts on Walker-Turner Machine Tools. All pulleys are the popular 4L section, except where indicated.

WITH 1/2" BORE			
No. of Steps or Grooves	Diameter(s) in Inches	No.	
1	2 1/2"	5250A	
1	2 3/4"	5275A	
1	3"	5300A	
1	4"	5400A	
4	4 3/4", 4 1/4", 3 3/4", 3 1/4"	41-762*	
4	5", 3 3/8", 2 13/16", 1 3/4"	41-772*	
4	5 1/4", 4 1/4", 3 3/4", 2 5/8"	985A	
1	6"	5600A	
5	6 3/64", 4 13/16", 3 49/64", 2 51/64", 2"	1311A	
5	6 1/2", 5 1/8", 4 11/16", 3 23/32", 2 3/4"	1312A	
1	7"	5700A	
WITH 3/8" BORE			
No.	Diameter(s) in Inches	No.	
1	2 1/2"	52508	
1	2 3/4"	52758	
3	2 3/8"	51-021*	
3	2 3/4"	41-773*	
1	3"	53008	
3	3 1/4", 2 1/2", 1 3/4"	41-603*	
4	3 1/4", 2 3/4", 2 1/4", 1 3/4"	51-030*	
4	3 3/8", 3 1/4", 2 3/8", 2"	41-753	
1	4"	54008	
4	4 3/4", 4 1/4", 3 3/4", 3 1/4"	41-763*	
4	5", 3 3/8", 2 13/16", 1 3/4"	41-773*	
4	5 1/4", 4 1/4", 3 3/4", 2 5/8"	985B	
4	5 1/2", 4 3/8", 3 3/8", 2 1/4"	51-034	
1	6"	56008	
5	6 3/64", 4 13/16", 3 49/64", 2 51/64", 2"	1311B	
4	6 1/4", 5 1/8", 4 7/16", 3 1/4"	51-033	
5	6 1/2", 5 1/8", 4 11/16", 3 23/32", 2 3/4"	1312B	
5	6 1/2", 5 1/2", 4 1/2", 3 1/2", 2 1/2"	49-235B	
1	6 1/2"	56508	
1	7"	57008	

WITH 3/4" BORE		
No. of Steps or Grooves	Diameter(s) in Inches	No.
1	2 1/2"	5250C
1	2 3/4"	5275C
3	2 3/8"	41-184*
1	3"	5300C
1	3 1/2"	5350C
1	3 3/4"	51-025
1	4"	5400C
4	5", 3 3/8", 2 13/16", 1 3/4"	41-774*
4	5 1/4", 4 1/4", 3 3/4", 2 3/4"	985C
4	5 1/2", 4 3/8", 3 3/8", 2 1/4"	51-035
1	6"	5600C
5	6 3/64", 4 13/16", 3 49/64", 2 51/64", 2"	1311C
5	6 1/2", 5 1/8", 4 11/16", 3 23/32", 2 3/4"	1312C
5	6 1/2", 5 1/2", 4 1/2", 3 1/2", 2 1/2"	49-235C
1	7"	5700C
WITH 7/8" BORE		
No.	Diameter(s) in Inches	No.
5	6 3/64", 4 13/16", 3 49/64", 2 51/64", 2"	1311D
5	6 1/2", 5 1/8", 4 11/16", 3 23/32", 2 3/4"	1312D
5	6 1/2", 5 1/2", 4 1/2", 3 1/2", 2 1/2"	49-235D
WITH 1" BORE		
No.	Diameter(s) in Inches	No.
4	3"	34-730
3	7 13/16"	51-042
5	6 1/2", 5 1/2", 4 1/2", 3 1/2", 2 1/2"	49-235E

GRINDING WHEELS

Al. Oxide 60 Grit, Grade N, 1x7" diameter with 5/8" hole. 5 lbs. No. 23-815
 Al. Oxide 46 Grit, Grade M, 1x7" diameter with 5/8" hole. 4 lbs. No. 23-816
 Al. Oxide 36 Grit, Grade O, 3/4x6" diameter with 1/2" hole. No. 23-826
 Al. Oxide 60 Grit, Grade O, 3/4x6" diameter with 1/2" hole. No. 23-827
 Sil. Carb. Wheel 60 Grit, 1x6" diameter with 1-1/9" hole. 10 lbs. No. 1661
 Sil. Carb. Wheel 120 Grit, 1x6" diameter with 1-1/9" hole. 10 lbs. No. 1662
 Al. Oxide, 46 Grit, Grade G, 1x6" diameter with 1 1/4" hole. 10 lbs. No. 23-841
 Al. Oxide, 80 Grit, Grade J, 1x6" diameter with 1 1/4" hole. 10 lbs. No. 23-842



WIRE and FIBER WHEELS

Wire wheels for removing rust and scale from metals.
 Fine, 6" diam. with 5/8" hole. 1 lb. No. 1236
 Medium, 6" diam. with 5/8" hole. 1 lb. No. 1237
 Coarse, 6" diam. with 5/8" hole. 1 lb. No. 1238
 Coarse, 6" diam. with 1/2" hole. Set of 2. 1 lb. No. 3113
 Fine, 6" diam. with 1/2" hole. Set of 2. 1 lb. No. 3114
 Fiber wheel for general cleaning. 6" diam. with 1/2" hole. Set of 2. 1 lb. No. 3115



LAMP ATTACHMENTS

Lamp attachments for use with various Walker-Turner Machine Tools to bring light to your work right at the point where it is needed.
 Attachment for use with drill presses, 14" and 16" band saws, etc. Complete with switch. Uses 25 watt bulb. No. 49-264
 Attachment for use with 20" band saw, 6" tool grinder, surface grinder, etc. Complete with 15" flexible gooseneck nylon shield, mounting bracket, switch, 8' cord and 2-prong plug. Uses bulbs up to 100 watts. 2 lbs. No. 25-857
 Uses standard 15 or 25 watt bulb. Complete with mounting bracket, shade, socket and 8-ft. 115 V cord. 1 1/2 lbs. No. 882



GRAY MACHINE ENAMEL

A high quality gray enamel that is color blended to match the production finish of Walker-Turner Machine Tools. Ideal for covering scratches, nicks, chips, etc., to make machine surfaces look like new. Prevents bare surfaces from rusting.
 Quart size. 5 lbs. CAT. NO. 49-333
 Gallon size. 14 lbs. CAT. NO. 49-334
 Push Button Self Spray Can (12 av. ozs.) 1 lb. CAT. NO. 49-323*
 Carton of 12 each of Cat. No. 49-323. 12 lbs. CAT. NO. 49-324*
 *Single cans are not shipped from the factory. Order Cat. No. 49-324.

WALKER-TURNER MOTORS:



All Walker-Turner motors comply with or exceed the maximum motor manufacturing power standards (breakdown torque) as established by the National Electrical Manufacturers Association (NEMA). All motors feature sealed, lubricated-for-life ball bearings, carefully wound and tested motor windings with high grade insulation, accurately balanced rotors, well designed ventilating systems, plus many other design features, to assure you efficient, dependable trouble free service and longer motor life.

SINGLE PHASE

NO.	HP	RPM	VOLTS	CYCLES	SHAFT	SWITCH	CORD AND PLUG	TEMP. RISE	EN-CLOSURE
62-110	1/3	1725	115/230	60	1/2" Double(I)(B)	Included(C)	Included(D)	40°C	Open
62-680	1/2	1725	115/230	60	1/2" Single(B)	Included(C)	Included(D)	40°C	Open
62-810	1/2	1725	115/230	60	5/8" Single(K)	None(F)	None(G)	40°C	Open
82-710	1/2	1725	115/230	60	3/4" Double(I)(E)	Included(C)	Included(D)	40°C	Open
82-810(A)	3/4	1140	115/230	60	3/4" Single(K)	None(F)	None(G)	40°C	Open
62-830(A)	3/4	1725	115/230	60	3/4" Single(K)	None(F)	None(G)	40°C	Open
82-910	3/4	1725	115/230	60	3/4" Double(I)(E)	Included(C)	Included(D)	40°C	Open
83-112	1	1140	115/230	60	3/4" Double(I)(E)	Included(C)	Included(D)	40°C	Open
83-510	1	1725	115/230	60	3/4" Double(I)(E)	Included(C)	Included(D)	40°C	Open
83-560	1	1725	115/230	60	3/4" Double(I)(E)	Included(C)(J)	Included(L)	40°C	Open

THREE PHASE MOTORS

NO.	HP	RPM	VOLTS	CYCLES	SHAFT	SWITCH	CORD AND PLUG	TEMP. RISE	EN-CLOSURE
66-120	1/3	1425/1725	208-220/440	50/60	1/2" Double(I)(B)	Not supplied. For recommended motor controls for particular motor application, refer to product page listing.	Not supplied. For recommended wiring, see your electrical contractor.	40°C	Open
66-340	1/2	1425/1725	208-220/440	50/60	1/2" Single(B)			40°C	Open
66-830	1/2	1140	208-220/440	60	5/8" Single(K)			40°C	Open
66-820	1/2	1425/1725	208-220/440	50/60	5/8" Single(K)			40°C	Open
86-520	1/2	1425/1725	208-220/440	50/60	3/4" Double(I)(E)			40°C	Open
86-720	3/4	1425/1725	208-220/440	50/60	3/4" Double(I)(E)			40°C	Open
86-810	3/4	1140	208-220/440	60	3/4" Single(K)			40°C	Open
66-840	3/4	1425/1725	208-220/440	50/60	3/4" Single(K)			40°C	Open
86-920	1	1425/1725	208-220/440	50/60	3/4" Double(I)(E)			40°C	Open
86-922	1	960/1140	208-220/440	50/60	3/4" Double(I)(E)			40°C	Open
87-120	1 1/2	1425/1725	208-220/440	50/60	3/4" Double(I)(E)			40°C	Open

- (A)—Supplied with completely enclosed cut-out switch and high velocity fan.
 (B)—With ground flat.
 (C)—Double pole, single throw switch.
 (D)—115 volt cord and plug set supplied wired to motor. Grounding type with 3-prong parallel blade plug and adapter.

- (E)—With 3/8 x 3/8 x 1 1/2" key.
 (F)—For recommended switch for particular motor application, refer to product page listing.
 (G)—For recommended wiring for particular motor application, refer to product page listing.

CORD AND PLUG SET

Consists of 10-foot No. 14-3 conductor cord with 3-prong 115 V. grounding plug. No. 49-357

WIRING KITS

Three-wire type, 3-foot long for connection of 3-phase motor to control switch. Complete with clamp fittings. No. 49-315

Remote control switch mounting kit for mounting single phase motor switch to stand of Belt and Disc Finishing Machine. Includes box, cover, connector and mounting parts. No. 49-385

SWITCH RODS

Switch Rod. With mounting parts for 15"—4-5/16" Spindle Travel Drill Press and 14" Hi Speed Drill Press. 1 lb. No. 1331

TOGGLE SWITCHES

Toggle Switch. Two-pole type, rated 1 1/2 HP, 125 to 250 V AC-DC for single phase

(or DC) motor on Coolant Pump Complete with 8-foot cord and 3-prong 115 V grounding type plug. No. 49-312

Toggle Switch. Single pole type, rated 1 1/2 HP, 125 to 250 V AC for single phase motors. Complete with box and connector. No. 49-369

Shrouded "Safety type" Toggle Switch with provisions for pad locking. Rated 2 HP, 115 to 575 V. Complete with 6-wire assembly and connector. No. 49-383

PUSH BUTTON SWITCH KITS—MANUAL

Manual Control Push Button Switch Kit. Two-pole type, rated up to 1 HP, 125 to 250 V. AC-DC for single phase (or DC) motors on 17" and 20" Drill Presses. Complete with 4-wire connecting assembly. No. 20-611

Manual Control Push Button Switch Kit. Three-pole type, rated up to 2 HP, 208 to 575

MOTOR SWITCHES,

V. AC, for three phase motor on 17" and 20" Drill Press. Complete with 6-wire connecting assembly. No. 20-613

Manual Control Push Button Switch Kit. Two-pole type rated up to 1 HP, 125 to 250 V. AC-DC for single phase (or DC) motors on 15" Drill Presses. Complete with 4-wire connecting assembly. No. 15-811

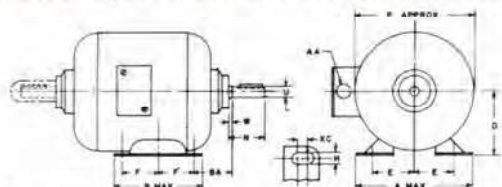
Manual Control Push Button Switch Kit. Three-pole type rated up to 2 HP, 208 to 575 V. AC for three phase motor on 15" Drill Presses. Complete with 6-wire connecting assembly. No. 15-813

Manual Control Push Button Switch Kit. Three pole type, rated single phase (or DC) 1 HP, 125 to 250 V. AC-DC; rated three phase 2 HP, 208 to 575 V for single, (DC) or three phase motors on 16" Band Saw. No. 49-260

Manual Control Push Button Switch Kit. Three pole type, rated single phase (or DC) 1 HP, 125 to 250 V. AC-DC; rated three

SPECIFICATIONS AND DIMENSIONAL DATA

Write for information on available motors not listed. Such motors, when ordered special, are not subject to cancellation.



The dimensional drawing (left) typifies all Walker-Turner motors, regardless of variations in motor design. All dimensions listed in the chart below are correct even though the motor shaft and base designs may vary considerably.



CAPACITOR START MOTORS

A MAX.	AA	B MAX.	BA	D	E	F	H	N-W	P APPROX.	XC	WT.	NO.
6 ⁵ / ₁₆	1/2	4 ³ / ₄	2	3 ¹ / ₄	2 ¹ / ₂	1 ¹⁵ / ₁₆	3/8	1 ⁷ / ₈	6	1 ¹ / ₃₂	28	62-110
6 ⁵ / ₁₆	1/2	4 ³ / ₄	2	3 ¹ / ₄	2 ¹ / ₂	1 ¹⁵ / ₁₆	3/8	1 ⁷ / ₈	6	1 ¹ / ₃₂	37	62-680
6 ³ / ₄	1/2	6 ⁹ / ₁₆	1 ¹³ / ₁₆	3 ³ / ₈	2 ⁵ / ₈	2 ¹⁹ / ₃₂	7/16	1 ⁷ / ₈	6 ¹³ / ₁₆	7/16	31	62-810
8 ⁵ / ₈	1/2	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	44	82-710
7 ¹ / ₈	1/2 & 3/4	7 ¹ / ₄	4 ⁵ / ₁₆	4 ¹ / ₂	2 ⁷ / ₈	2 ⁷ / ₈	1/2	2 ¹ / ₄	8 ¹ / ₈	—	78	82-810
6 ³ / ₄	1/2	6 ⁹ / ₁₆	2 ²¹ / ₃₂	3 ¹ / ₂	2 ²¹ / ₃₂	2 ⁵ / ₈	7/16	2 ¹ / ₈	6 ³ / ₄	7/16	68	62-830
8 ⁵ / ₈	1/2	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	57	82-910
8 ⁵ / ₈	1/2	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	70	83-112
8 ⁵ / ₈	1/2	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	70	83-510
8 ⁵ / ₈	1/2	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	72	83-560

THREE PHASE MOTORS

A MAX.	AA	B MAX.	BA	D	E	F	H	N-W	P APPROX.	XC	WT.	NO.
6 ⁵ / ₁₆	1/2	4 ³ / ₄	2	3 ¹ / ₄	2 ¹ / ₂	1 ¹⁵ / ₁₆	3/8	1 ⁷ / ₈	6	1 ¹ / ₃₂	25	66-120
6 ⁵ / ₁₆	1/2	4 ³ / ₄	2	3 ¹ / ₄	2 ¹ / ₂	1 ¹⁵ / ₁₆	3/8	1 ⁷ / ₈	6	1 ¹ / ₃₂	29	66-340
6 ³ / ₄	1/2	7 ¹ / ₁₆	1 ¹³ / ₁₆	3 ³ / ₈	2 ⁵ / ₈	2 ²⁷ / ₃₂	7/16	1 ⁷ / ₈	6 ¹³ / ₁₆	7/16	30	66-830
6 ³ / ₄	1/2	6 ⁹ / ₁₆	1 ¹³ / ₁₆	3 ³ / ₈	2 ⁵ / ₈	2 ¹⁹ / ₃₂	7/16	1 ⁷ / ₈	6 ¹³ / ₁₆	7/16	28	66-820
8 ⁵ / ₈	1/2	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	44	86-520
8 ⁵ / ₈	1/2	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	42	86-720
7 ¹ / ₈	1/2 & 3/4	7 ¹ / ₄	4 ⁵ / ₁₆	4 ¹ / ₂	2 ⁷ / ₈	2 ⁷ / ₈	1/2	2 ¹ / ₄	8 ¹ / ₈	—	65	86-810
6 ³ / ₄	1/2	6 ⁹ / ₁₆	2 ²¹ / ₃₂	3 ¹ / ₂	2 ²¹ / ₃₂	2 ⁵ / ₈	7/16	2 ¹ / ₈	6 ³ / ₄	7/16	39	66-840
8 ⁵ / ₈	1/2 & 3/4	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	56	86-920
8 ⁵ / ₈	1/2	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	70	86-922
8 ⁵ / ₈	1/2 & 3/4	5	3 ¹⁷ / ₃₂	4 ¹ / ₂	3 ⁹ / ₁₆	1 ⁷ / ₈	7/16	2 ¹ / ₄	8 ¹ / ₂	3/8	80	87-120

(I)—Supplied with one shaft guard for maximum safety to the operator.

(J)—Separately mounted for 20" band saw.

(K)—With 3/16 x 3/16 x 1/4" key.

(L)—230 volt cord and plug set supplied wired to motor. Grounding type with 3-prong tandem blade plug.

STARTERS AND WIRING SETS

phase 2 HP, 208 to 575 V for single, (DC) or 3 phase motors on Belt and Disc Finishing Machine. Complete with box, cover, wire assembly and connector. **No. 49-378**

PUSH BUTTON SWITCH KITS—MAGNETIC

Magnetic Control Push Button Switch Kit. Complete with 3-wire cable for connecting between control switch and magnetic starter on 15"—4-5/16" Spindle Travel Drill Press. **No. 15-812**

Magnetic Control Push Button Switch Kit. Complete with 3-wire conduit assembly for connecting between control switch and magnetic starter to 17" and 20" Drill Presses. **No. 20-612**

OVERLOAD SWITCH

Overload Switch. Two-pole type, rated single phase: 1¹/₂ HP, 115 V; 3 HP, 230 V; rated 3-phase: 5 HP, 208 to 575 V. for single or three phase motor. Specify voltage, HP, RPM and phase when ordering. **No. 49-365**

MANUAL STARTERS

Manual Starter. Size 0, NEMA type 1, enclosure, rated 2 HP, 208 to 550 V, AC, for 3 phase motors. Specify voltage, and RPM when ordering. **No. 1320**

MAGNETIC STARTERS

Magnetic Starter. Size 0, NEMA type 1 enclosure, rated 3 HP, 208-220 V, 60 Cy, AC for three phase motors. Supplied with start and stop-reset buttons. Specify motor no., phase, voltage and RPM when ordering. **No. 49-393**

Magnetic Starter. Size 0, NEMA type 1 enclosure, rated 5 HP, 440 V, 60 Cy, AC for three phase motors. Supplied with start and stop-reset buttons. Specify motor no., phase, voltage and RPM when ordering. **No. 49-394**

Magnetic Starter. Size 0, NEMA type 1 enclosure, rated 3 HP, 208-220 V, 60 Cy, AC for 3 phase motors. Supplied with reset button only, separate start-stop control station required. Specify motor no., phase, voltage and RPM when ordering. **No. 49-396**

Magnetic Starter. Size 0, NEMA type 1 enclosure, rated 5 HP, 440 V, 60 Cy, AC for 3 phase motors. Supplied with reset button only, separate start-stop control station required. Specify motor no., phase, voltage and RPM when ordering. **No. 49-397**

MOUNTING BRACKETS

Bracket for mounting overload switch, manual or magnetic starters on right side of 17" Single and Multiple-Spindle Power Feed Drill Presses. 2 lbs. **No. 49-317**

Bracket for mounting overload switch, manual or magnetic starters to 17" Single or Multiple-Spindle Hand Feed Drill Presses. 2 lbs. **No. 49-318**

Bracket for mounting overload switch, manual or magnetic starters to 17" and 20" Single or Multiple Spindle Drill Presses. 3 lbs. **No. 20-614**

MOTOR MOUNTING RAILS

Pair of motor mounting rails for special set ups. Complete with bolts, nuts and washers for mounting motor. **No. 49-265**



IN THE UNITED STATES, MEXICO AND PUERTO RICO
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