LIGHT-HEAVYWEIGHT MACHINE TOOLS
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.

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.

INDEX

ACCESSORIES (GENERAL) ..................... 35 & 45

BAND SAWS
20" Band Saw.................................. 40, 41
16" Band Saw.................................. 42, 43
Band Saw Accessories...................... 44

BELT AND DISC FINISHING MACHINE...... 36, 37

CUT-OFF MACHINES ......................... 38, 39

DRILL PRESSES
20" Drill Presses............................. 4 to 7
17" Drill Presses............................. 8 to 11
15"-6" Spindle Travel Drill Presses........ 12 to 15

DRILL PRESS Continued
15"-4.5/16" Spindle Travel Drill Presses... 16 to 19
14" Hi-Speed Drill Presses................... 20, 21
Radial Drill Presses......................... 22, 23
Drill Press Accessories...................... 24 to 26

GRINDERS
6" Bench Grinder.............................. 27
7" Standard Grinders......................... 28, 29
6" Tool Grinders............................. 30, 31
Surface Grinder.............................. 32, 33
Grinder Accessories......................... 34, 35

MOTORS, MOTOR CONTROLS
AND WIRING KITS............................. 46, 47

www.OzarkToolManuals.com
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 2¾" 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: 36½"
- **Bench Model**
  - Height: 23"
  - Width: 23"
  - Front to rear: 40½"

#### CAPACITIES
- Column to center of drill: 10"
- Dia. hole in cast iron: 1"
- Dia. hole in steel: ¾"

#### QUILL
- Diameter: 2¾"
- Stroke (Hand Feed Model): 0 to 6"
- Stroke (Power Feed Model): ½" to 6"

#### COLUMN
- Diameter: 3¾"

#### SPINDLE SPEEDS
- **STANDARD SPEED MODELS:**
  - Hand and Power Feed:
    - w/1725 RPM Motor
    - 5 speeds: 500 to 2000 rpm
  - w/1140 RPM Motor
    - 5 speeds: 330 to 1700 rpm

- **EXTRA SLOW SPEED MODELS:**
  - Hand and Power Feed:
    - w/1725 RPM Motor
      - 4-Step Planetary Gear Spindle Pulley: 10 speeds: 135 to 2600 rpm
    - w/1140 RPM Motor
      - 4-Step Planetary Gear Spindle Pulley: 10 speeds: 110 to 1700 rpm

#### SPINDLE FEEDS
- Power Feed Model: .004. .006. .009. .012 in. per rev

#### FEED PRESSURE
- Power Feed Model: Infinitely adjustable—6 to 32 in.

#### TABLE WORKING SURFACE
- Production (supplied w/Single Spindle, Floor Model): 15" x 11"
- Tilting Table (supplied w/Single Spindle, Floor Model): 16" x 11"

#### BASE WORKING SURFACE
- Floor Model: 13½" x 14½"
- Bench Model: 18" x 24"
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, 5 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.

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 2¾" 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.

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.

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.

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" 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. Drills can also be operated manually, mechanically or in combination for skip drilling, deep hole drilling and similar operations.

Quill stroke can be adjusted from 1/16" 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, it can be accurately handles drills down to the 1/16" diameter range. Adjustable torque feature is especially important in deep hole drilling—torque can be set to hold feed automatically to protect cutting tool against broken drills 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

Drill 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.

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>DESCRIPTION</th>
<th>MODEL</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Columns</td>
<td>31/4&quot;x33&quot;, 54 lbs.</td>
<td>No. 20-625</td>
<td></td>
</tr>
<tr>
<td>Columns</td>
<td>31/4&quot;x42&quot;, same as furnished with Bench and Multiple Spindle Models, 64 lbs.</td>
<td>No. 20-626</td>
<td></td>
</tr>
<tr>
<td>Columns</td>
<td>31/4&quot;x66&quot;, same as furnished with Floor Models, 106 lbs.</td>
<td>No. 20-627</td>
<td></td>
</tr>
<tr>
<td>Columns</td>
<td>31/4&quot;x78&quot;, for additional spindle to table and/or base capacity</td>
<td>No. 20-628</td>
<td></td>
</tr>
<tr>
<td>Flange</td>
<td>for mounting column on table, complete with screws, 44 lbs.</td>
<td>No. 20-624</td>
<td></td>
</tr>
<tr>
<td>Ball Bearing Carriage</td>
<td>For building Overhead Drill Presses. Includes 31/2&quot;x33&quot; Column and eight Ball Bearing Construction Carriage and lock, 135 lbs.</td>
<td>No. 20-623</td>
<td></td>
</tr>
<tr>
<td>Raising Mechanism</td>
<td>for head or table. Includes ball bearing thrust collar, gear assembly and crank. Use for building Overhead Models, 19 lbs.</td>
<td>No. 20-641</td>
<td></td>
</tr>
</tbody>
</table>

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

Production 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 Tilting 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, 165 lbs. Cannot be used with No. 20-399 Legs. | No. 20-621 |

Production Table, for two spindle set-up. One piece, 241/2"x351/2" ground work surface, drilled and tapped for column mounting flanges on 171/2" centers. Also can be supplied drilled to your specifications or undrilled. Fits No. 50-399 legs, 390 lbs. | No. 20-653 |

Production Table, for three spindle set-up. One piece, 241/2"x701/2" ground work surface, drilled and tapped for column mounting flanges on 261/2" centers. Also can be supplied drilled to your specifications or undrilled. Fits No. 50-399 legs. 826 lbs. | No. 20-654 |

Production Table, for four spindle set-up. One piece, 241/2"x701/2" ground work surface, drilled and tapped for column mounting flanges on 171/2" 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 pieces, 241/2"x1011/2" ground work surface, drilled and tapped for column mounting flanges on 171/2" centers. Also can be supplied drilled to your specifications or undrilled. Fits No. 50-399 and 50-506 legs. 960 lbs. | No. 20-656 |

Production Table, right end section, 25"x351/2" ground work surface, drilled and tapped for 2 column mounting flanges on 171/2" centers. 304 lbs. | No. 20-657 |

Production Table, left end section, 25"x351/2" ground work surface, drilled and tapped for 2 column mounting flanges on 171/2" centers. 380 lbs. | No. 20-658 |

Production Table, center section, 25"x38" ground work surface, drilled and tapped for 2 column mounting flanges on 171/2" centers. 382 lbs. | No. 20-659 |

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

LEGS

Steel Legs, two 271/2" high. For mounting production tables. | No. 50-399 |

Steel Leg, one 271/2" high. For mounting sectional production tables. Also required for mounting No. 20-506 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 wrap. Consists of 25/16" steel column, base with holes for lagging to floor and 2-1/2" pad for supporting rib of table. Screw type jack feature permits height of pad to be adjusted from 271/2 to 291/2". 15 lbs. | No. 50-401 |
### SINGLE SPINDLE MODELS

<table>
<thead>
<tr>
<th>Model</th>
<th>Hand Feed</th>
<th>Type of Feed, Spindle and Speed</th>
<th>Power Feed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. 2 Morse Taper</td>
<td>No. 3 Morse Taper</td>
<td>No. 2 Morse Taper</td>
</tr>
</tbody>
</table>
| Bench Model  
(with production table—24" x 18" work surface) | 70-401  Wt. | 70-441  Wt. | 70-411  Wt. | 70-451  Wt. | 70-521  Wt. | 70-541  Wt. | 70-531  Wt. | 70-551  Wt. | 422 lbs. | 422 lbs. |
| Floor Model  
(with production table—15" x 18" work surface) | 70-407  Wt. | 70-447  Wt. | 70-417  Wt. | 70-457  Wt. | 70-527  Wt. | 70-547  Wt. | 70-537  Wt. | 70-557  Wt. | 460 lbs. | 460 lbs. |
| Floor Model  
(with tilting table—16" x 18" work surface; tilts 90° r. & l.) | 70-408  Wt. | 70-448  Wt. | 70-418  Wt. | 70-458  Wt. | 70-528  Wt. | 70-548  Wt. | 70-538  Wt. | 70-558  Wt. | 464 lbs. | 464 lbs. |
| Drill Heads  
(less No. 20-601  
raising mechanism) | 70-400  Wt. | 70-440  Wt. | 70-410  Wt. | 70-450  Wt. | 70-520  Wt. | 70-540  Wt. | 70-530  Wt. | 70-550  Wt. | 180 lbs. | 180 lbs. |

Production tables have 1½" coolant troughs with two 3/8" pipe taps at rear.

### MULTIPLE SPINDLE MODELS

<table>
<thead>
<tr>
<th>No. of Spindles</th>
<th>Type of Table</th>
<th>Hand Feed</th>
<th>Type of Feed, Spindle and Speed</th>
<th>Power Feed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. 2 Morse Taper</td>
<td>No. 3 Morse Taper</td>
<td>No. 2 Morse Taper</td>
<td>No. 3 Morse Taper</td>
</tr>
</tbody>
</table>
| 2-Spindle  
One-piece table | 70-402  Wt. | 70-442  Wt. | 70-412  Wt. | 70-452  Wt. | 70-522  Wt. | 70-542  Wt. | 70-532  Wt. | 70-552  Wt. | 1100 lbs. | 1100 lbs. |
| 3-Spindle  
One-piece table | 70-403  Wt. | 70-443  Wt. | 70-413  Wt. | 70-453  Wt. | 70-523  Wt. | 70-543  Wt. | 70-533  Wt. | 70-553  Wt. | 1875 lbs. | 1875 lbs. |
| 4-Spindle  
One-piece table | 70-404  Wt. | 70-444  Wt. | 70-414  Wt. | 70-454  Wt. | 70-524  Wt. | 70-544  Wt. | 70-534  Wt. | 70-554  Wt. | 2075 lbs. | 2075 lbs. |
| 6-Spindle  
Two-piece table | 70-406  Wt. | 70-446  Wt. | 70-416  Wt. | 70-456  Wt. | 70-526  Wt. | 70-546  Wt. | 70-536  Wt. | 70-556  Wt. | 2875 lbs. | 2875 lbs. |

Tables on multiple spindle models have 1½" coolant troughs with 3/8" pipe tap at each rear corner; 6 spindle model tables also have additional 3/8" pipe tap at each front corner.

### MOTORS AND MOTOR CONTROLS

**FOR SINGLE PHASE OPERATION**

- 1 HP, capacitor start, 115/230V, 60 cy, 1140 RPM Motor. Includes on/off switch, 115V 8-ft. grounding cord, 3-prong plug and adapter. 75 lbs. 
- 1 HP, capacitor start, 115/230V, 60 cy, 1725 RPM Motor. Includes on/off switch, 115V 8-ft. grounding cord, 3-prong plug and adapter. 75 lbs. 
- Push Button Switch. Includes 4-wire flexible conduit assembly. For use with Nos. 83-112 and 83-310 motors; for DC use also. 3 lbs.

**FOR THREE PHASE OPERATION**

- 1 HP, 208-220/440V, 60 cy, 1425/1725 RPM Motor. Without switch or power cord. 56 lbs.

No. 86-920

### 20” DRILL PRESS DIMENSIONAL DATA

<table>
<thead>
<tr>
<th>Drill Press Model</th>
<th>20” Drill Press Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>20&quot; Drill Press</td>
<td>No. 2 Morse Taper Models</td>
</tr>
<tr>
<td>“A” Overall Height</td>
<td>“B” Spindle To Table (max.)</td>
</tr>
<tr>
<td>Bench Type</td>
<td>55&quot;</td>
</tr>
<tr>
<td>Production Table</td>
<td>Floor Type</td>
</tr>
<tr>
<td>Production Table</td>
<td>Floor Type</td>
</tr>
</tbody>
</table>

1 HP, 208-220/440V, 60 cy, 1140 RPM Motor. Without switch or power cord. 70 lbs.

No. 86-922

1½ HP, 208-220/440V, 50/60 cy. 1425/1725 RPM Motor. Without switch or power cord. 60 lbs.

No. 87-120


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. 86-922 and Magnetic Starters Nos. 49-365 or 49-385 may also be used, see page 47 for information on these items.
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.

- 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**

<table>
<thead>
<tr>
<th>Floor Model</th>
<th>Width</th>
<th>Front to rear</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>18½”</td>
<td>32½”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bench Model</th>
<th>Width</th>
<th>Front to rear</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>23½”</td>
<td>35½”</td>
<td>49½”</td>
</tr>
</tbody>
</table>

**CAPACITIES**

<table>
<thead>
<tr>
<th>Key Chuck</th>
<th>Dia. hole in cast iron</th>
<th>Dia. hole in steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>.0 1/2”</td>
<td>8”</td>
<td>9/16”</td>
</tr>
</tbody>
</table>

**QUILL**

<table>
<thead>
<tr>
<th>Stroke (Hand Feed)</th>
<th>Stroke (Power Feed)</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 5”</td>
<td>½” to 5”</td>
<td>2½”</td>
</tr>
</tbody>
</table>

**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 Model: .004, .006, .009, .012 inches per revolution

**FEED PRESSURE**

- Power Feed Model: infinitely adjustable 0 to maximum capacity of machine

**COLUMN**

| Diameter | 31/2” |

**TABLE WORKING SURFACE**

- Production Table (Floor Model): 12½” x 17”
- Production Table (Bench Model): 16½” x 18”
- Standard Tilting Table: 11½” x 12”

**BASE WORKING SURFACE**

<table>
<thead>
<tr>
<th>Floor Model</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10½” x 13½”</td>
</tr>
</tbody>
</table>

www.OzarkToolManuals.com
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 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 vice versa—as-required, right on the job for greater drilling flexibility!

NEW PIVOTING Motor Mount
Rigid three-point mounted adjustable motor mounting plate 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 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 3-inch spindle travel range in one fast, accurate operation! It completely eliminates quill, spindle and cutting tool deflection and troublesome readjusting for deep hole depth drilling.
**SINGLE SPINDLE MODELS**

<table>
<thead>
<tr>
<th>Type of Model and Table</th>
<th>Hand Feed</th>
<th>Power Feed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No. 2 Morse Taper</strong></td>
<td><strong>1/2&quot; Key Chuck</strong></td>
<td></td>
</tr>
<tr>
<td>Slow Speed</td>
<td>High Speed</td>
<td>Slow Speed</td>
</tr>
<tr>
<td>320 lbs.</td>
<td>320 lbs.</td>
<td>320 lbs.</td>
</tr>
<tr>
<td><strong>Floor Model</strong></td>
<td><strong>Production Tilling Table,</strong> 12½&quot; x 17&quot; work surface; tilts 17° r. &amp; l.</td>
<td></td>
</tr>
<tr>
<td>Slow Speed</td>
<td>High Speed</td>
<td>Slow Speed</td>
</tr>
<tr>
<td>350 lbs.</td>
<td>350 lbs.</td>
<td>350 lbs.</td>
</tr>
<tr>
<td><strong>Bench Model</strong></td>
<td><strong>Production Table,</strong> 16&quot; x 18&quot; work surface</td>
<td></td>
</tr>
<tr>
<td>Slow Speed</td>
<td>High Speed</td>
<td>Slow Speed</td>
</tr>
<tr>
<td>320 lbs.</td>
<td>320 lbs.</td>
<td>320 lbs.</td>
</tr>
</tbody>
</table>

Production tables have 1½" coolant troughs. Production table (floor model) has ¾" pipe tap at rear; production table (bench model) has two ¾" pipe taps at rear.

---

**MULTIPLE SPINDLE MODELS**

<table>
<thead>
<tr>
<th>No. of Spindles Type of Table</th>
<th>Type of Feed, Spindle &amp; Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand Feed</td>
<td>Power Feed</td>
</tr>
<tr>
<td>Slow Speed</td>
<td>High Speed</td>
</tr>
<tr>
<td>No. 2 Morse Taper</td>
<td>1/2&quot; Key Chuck</td>
</tr>
<tr>
<td>2 Spindle One Piece Table</td>
<td>67-040</td>
</tr>
<tr>
<td>707 lbs.</td>
<td>707 lbs.</td>
</tr>
<tr>
<td>3 Spindle Two Piece Table</td>
<td>67-050</td>
</tr>
<tr>
<td>1533 lbs.</td>
<td>1533 lbs.</td>
</tr>
<tr>
<td>4 Spindle One Piece Table</td>
<td>67-060</td>
</tr>
<tr>
<td>1612 lbs.</td>
<td>1612 lbs.</td>
</tr>
<tr>
<td>5 Spindle Sectional Table</td>
<td>67-070</td>
</tr>
<tr>
<td>1723 lbs.</td>
<td>1723 lbs.</td>
</tr>
<tr>
<td>6 Spindle Sectional Table</td>
<td>67-080</td>
</tr>
<tr>
<td>2323 lbs.</td>
<td>2323 lbs.</td>
</tr>
<tr>
<td>8 Spindle Sectional Table</td>
<td>67-090</td>
</tr>
<tr>
<td>2503 lbs.</td>
<td>2503 lbs.</td>
</tr>
</tbody>
</table>

All production tables have 1½" coolant troughs. 2-spindle one-piece table has ¾" pipe tap thread at rear; 4-spindle one-piece table has two ¾" pipe tap threads at rear.

---

**MOTORS AND MOTOR CONTROLS**

*½ HP Motor. Capacitor start, 115/230V, 60 cy, 1725 RPM. Includes on-off switch, 155V 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-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-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 SINGLE PHASE OPERATION**

*½ HP Motor. 200-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 44 lbs. No. 86-220

1/4 HP Motor. 280-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 50 lbs. No. 86-720

1 HP Motor. 280-220/440V, 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. 86-220, 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

---

**FOR THREE PHASE OPERATION**

*½ HP Motor. 200-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 44 lbs. No. 86-220

1/4 HP Motor. 280-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 50 lbs. No. 86-720

1 HP Motor. 280-220/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 56 lbs. No. 86-920

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. 2½ lbs. No. 20-612

Magnetic Starter. For 208-220V, 50 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

<table>
<thead>
<tr>
<th>Type of Feed, Spindle &amp; Speed</th>
<th>Hand Feed</th>
<th>Power Feed</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2 Morse Taper</td>
<td>1/2&quot; Key Chuck</td>
<td>No. 2 Morse Taper</td>
</tr>
<tr>
<td>Slow Speed</td>
<td>High Speed</td>
<td>Slow Speed</td>
</tr>
</tbody>
</table>

STANDARD EQUIPMENT

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

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", 49 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 3/4" 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 3/4" 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 3/4" x 30" ground work surface, 1 1/2" coolant trough, 3.5 lbs. No. 1503

*Production Table, end section with 23 3/4" 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. 50 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 39 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
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;A&quot; Overall Height</td>
<td>Spindle Chuck to Table (max.)</td>
<td>Spindle Chuck to Base (max.)</td>
</tr>
<tr>
<td>Bench Type W/Production Table</td>
<td>49 1/4&quot;</td>
<td>25 1/4&quot;</td>
</tr>
<tr>
<td>Floor Type W/Tilting Table</td>
<td>70&quot;</td>
<td>35&quot;</td>
</tr>
<tr>
<td>Floor Type W/Production Table</td>
<td>70&quot;</td>
<td>33 1/4&quot;</td>
</tr>
</tbody>
</table>

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

SPECIFICATIONS

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

OVERALL DIMENSIONS

Floor Model
Height .................................................. 70"
Width .................................................. 20-1/2"
Front to rear .......................................... 29"

Bench Model
Height .................................................. 42"
Width .................................................. 11-1/4"
Front to rear .......................................... 28"

CAPACITIES

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

QUILL
Stroke .................................................. 6"
Diameter ............................................... 1-13/16"

SPINDLE SPEED

W/1725 RPM Motor
W/high speed head pulley
............................................. 600, 1250, 2240, 5000 RPM
W/slow speed head pulley
............................................. 480, 940, 1300, 2900 RPM

COLUMN
Diameter ............................................... 2-3/4"

TABLE WORKING SURFACE

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

BASE WORKING SURFACE

Floor Models ........................................... 8-1/2 x 12"
Bench Models .......................................... 9 x 10"
Production Models
(singie spindle) ...................................... 14-1/2 x 16"

Model 65-126
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

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 Spindles. Foot feed and raising mechanism for head or table are available.

See Pages 14 and 15 For 15" Drill Press Catalog Listings and Component Parts.
STANDARD EQUIPMENT — All models include belt guard. Slow Speed models include No. 51-009 V-belt and No. 41-773 motor pulley (1/8" 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Type of Spindle and Feed</th>
<th>No. 2 Morse Taper</th>
<th>High Speed</th>
<th>Slow Speed</th>
<th>1/2&quot; Key Chuck</th>
<th>High Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Slow Speed</td>
<td>High Speed</td>
<td>Slow Speed</td>
<td>1/2&quot; Key Chuck</td>
<td>High Speed</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt. 208 lbs.</td>
<td>Wt. 208 lbs.</td>
<td>Wt. 208 lbs.</td>
<td>Wt. 208 lbs.</td>
<td>Wt. 208 lbs.</td>
<td></td>
</tr>
<tr>
<td>Bench Model</td>
<td>(with production table—</td>
<td>141/2&quot; x 16&quot; work surface)</td>
<td>65-141</td>
<td>65-101</td>
<td>65-161</td>
<td>65-121</td>
</tr>
<tr>
<td>Bench Model</td>
<td>(with utility table—</td>
<td>10&quot; x 121/2&quot; work surface)</td>
<td>65-146</td>
<td>65-106</td>
<td>65-166</td>
<td>65-126</td>
</tr>
<tr>
<td>Floor Model</td>
<td>(with production table—</td>
<td>10&quot; x 12&quot; work surface)</td>
<td>65-147</td>
<td>65-107</td>
<td>65-167</td>
<td>65-127</td>
</tr>
<tr>
<td>Floor Model</td>
<td>(with utility table)</td>
<td></td>
<td>65-148</td>
<td>65-108</td>
<td>65-168</td>
<td>65-128</td>
</tr>
<tr>
<td>Floor Model</td>
<td>(with tilting table—</td>
<td>10&quot; x 10&quot; work surface; tilts 45° r. &amp; l.)</td>
<td>65-149</td>
<td>65-109</td>
<td>65-169</td>
<td>65-129</td>
</tr>
</tbody>
</table>

Production tables have 2/16" coolant troughs with 1/4" pipe tap at rear.

### MULTIPLE SPINDLE MODELS

<table>
<thead>
<tr>
<th>Type of Table</th>
<th>No. of Spindles</th>
<th>Type of Feed and Spindle</th>
<th>No. 2 Morse Taper</th>
<th>High Speed</th>
<th>Slow Speed</th>
<th>1/2&quot; Key Chuck</th>
<th>High Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Slow Speed</td>
<td>High Speed</td>
<td>Slow Speed</td>
<td>1/2&quot; Key Chuck</td>
<td>High Speed</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt. 500 lbs.</td>
<td>Wt. 500 lbs.</td>
<td>Wt. 500 lbs.</td>
<td>Wt. 500 lbs.</td>
<td>Wt. 500 lbs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Spindle</td>
<td>65-142</td>
<td>65-102</td>
<td>65-162</td>
<td>65-122</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One-piece table</td>
<td>Wt. 816 lbs.</td>
<td>Wt. 816 lbs.</td>
<td>Wt. 816 lbs.</td>
<td>62-123</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Spindle</td>
<td>65-143</td>
<td>65-103</td>
<td>65-163</td>
<td>65-124</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One-piece table</td>
<td>Wt. 930 lbs.</td>
<td>Wt. 930 lbs.</td>
<td>Wt. 930 lbs.</td>
<td>65-125</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Spindle</td>
<td>65-144</td>
<td>65-104</td>
<td>65-164</td>
<td>65-120</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One-piece table</td>
<td>Wt. 1090 lbs.</td>
<td>Wt. 1090 lbs.</td>
<td>Wt. 1090 lbs.</td>
<td>65-120</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Spindle</td>
<td>65-145</td>
<td>65-105</td>
<td>65-165</td>
<td>65-120</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sectional table</td>
<td>Wt. 1090 lbs.</td>
<td>Wt. 1090 lbs.</td>
<td>Wt. 1090 lbs.</td>
<td>65-120</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### MOTORS AND MOTOR CONTROLS

FOR SINGLE PHASE OPERATION
3/4 HP, capacitor start, 115/230V, 60 cy, 1720 RPM motor. Without switch or power cord.
31 lbs.
No. 62-810

FOR THREE PHASE OPERATION
3/4 HP, 208-230/440V, 50/60 cy, 1425/1725 RPM Motor. Without switch or power cord. 28 lbs.
No. 62-820

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

www.OzarkToolManuals.com
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. 41-772 motor pulley 
(9/16" bore), No. 51-008 high speed or No. 51-009 
slow speed V-belt.

<table>
<thead>
<tr>
<th>Type of Spindle and Speed</th>
<th>No. 2 Morse Taper</th>
<th>1/2&quot; Key Chuck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slow Speed</td>
<td>High Speed</td>
<td>Slow Speed</td>
</tr>
<tr>
<td>65-140</td>
<td>65-100</td>
<td>65-140</td>
</tr>
<tr>
<td>Wt. 86 lbs.</td>
<td>Wt. 86 lbs.</td>
<td>Wt. 86 lbs.</td>
</tr>
</tbody>
</table>

COLUMNS

Column, 2¾" x 31", same as furnished with bench models, 12 lbs. 
No. 14-839

Column, 2¾" x 36¾", same as furnished with multiple spindle models, 
10 lbs. 
No. 1020

Column, 2¾" x 62", same as furnished with floor models, 20 lbs. 
No. 15-877

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, 27¼" high. For mounting production tables. Same as 
furnished with multiple spindle models, 96 lbs. 
No. 50-399

Steel Leg, one, 27¼" high. For mounting production tables. Same as 
furnished with three piece sectional table multiple spindle models. 
50 lbs. 
No. 50-506

Biser 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 2¾" 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 27¾" to 29¼". 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), 
36 lbs. 
No. 65-830

Deluxe Tilting Table, for single spindle floor and bench models. 19" x 
10" ground work surface. One side of table is accurately machined 30° 
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, 12½" 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 ½" 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, 19¼" x 28" ground work surface, for two spindle 
bench or floor models. Fits No. 50-399 legs. 225 lbs. 
No. 1517

Production Table, 21¼" 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, 23½" x 30" ground work surface with 
1½" coolant trough. 385 lbs. 
No. 1505

Production Table, end section, 23½" x 32½" ground work surface with 
1½" coolant trough and % pipe tap at end. 420 lbs. 
No. 1507

15"-6" SPINDLE TRAVEL DRILL PRESS DIMENSIONAL DATA

<table>
<thead>
<tr>
<th>15&quot; Drill Press</th>
<th>½&quot; Key Chuck Models</th>
<th>No. 2 Morse Taper Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Height</td>
<td>Spindle to Table</td>
<td>Overall Height</td>
</tr>
<tr>
<td>&quot;A&quot;</td>
<td>(max.)</td>
<td>&quot;B&quot;</td>
</tr>
<tr>
<td>39½&quot;</td>
<td>13½&quot;</td>
<td>39½&quot;</td>
</tr>
<tr>
<td>&quot;B&quot;</td>
<td>Spindle to Table</td>
<td>&quot;C&quot;</td>
</tr>
<tr>
<td>39½&quot;</td>
<td>7½&quot;</td>
<td>39½&quot;</td>
</tr>
<tr>
<td>&quot;C&quot;</td>
<td>Spindle to Table</td>
<td>&quot;B&quot;</td>
</tr>
<tr>
<td>36½&quot;</td>
<td>43½&quot;</td>
<td>36½&quot;</td>
</tr>
</tbody>
</table>

www.OzarkToolManuals.com
A complete line of Walker-Turner 15” Drill Presses with 4½-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.

**SPECIFICATIONS**

**OVERALL DIMENSIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Height</th>
<th>Width (Standard Table)</th>
<th>Width (Production Table)</th>
<th>Front to rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor Model</td>
<td>68½”</td>
<td>15½”</td>
<td>21½”</td>
<td>24½”</td>
</tr>
<tr>
<td>Bench Model</td>
<td>37½”</td>
<td>138”</td>
<td>24½”</td>
<td></td>
</tr>
</tbody>
</table>

**CAPACITIES**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key Chuck</td>
<td>0-⅜”</td>
</tr>
<tr>
<td>Dia. hole in cast iron</td>
<td>⅜”</td>
</tr>
<tr>
<td>Dia. hole in steel</td>
<td>⅜”</td>
</tr>
</tbody>
</table>

**QUILL**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stroke</td>
<td>4½”</td>
</tr>
<tr>
<td>Diameter</td>
<td>2”</td>
</tr>
</tbody>
</table>

**SPINDLE SPEEDS (with 1725 RPM Motor)**

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

**COLUMN**

| Diameter | 2¼” |

**TABLE WORKING SURFACE**

- Standard Tilting Table: 10” x 10⅛”
- Production Table (Floor Model): 12” x 18”
- Production Table (Bench Model): 14” x 16”

**BASE WORKING SURFACE**

- Floor Model: 8⅝” 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

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.

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

RUGGED SPINDLE CONSTRUCTION
Features oversized, preloaded, 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.

POSITIVE LOCK DEPTH STOP
Features an adjustable micrometer sleeve to facilitate minute depth settings down to .002 inches. Quick-Set Depth Gage 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 piloted 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.

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.
catalog listing

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

STANDARD EQUIPMENT — All models include No. 985 Motor pulley (½" 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. 1005 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. 1039 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.

SINGLE SPINDLE MODELS

<table>
<thead>
<tr>
<th>Model</th>
<th>No. 2 Morse Taper</th>
<th>Type of Spindle and Speed</th>
<th>½&quot; Key Chuck</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Slow Speed</td>
<td>High Speed</td>
<td>Slow Speed</td>
</tr>
<tr>
<td>Floor Model (with standard tilting</td>
<td>65-305</td>
<td>65-306</td>
<td>65-307</td>
</tr>
<tr>
<td>table—10&quot; x 10-1/2&quot; work surface;</td>
<td>Wt. 170 lbs.</td>
<td>Wt. 170 lbs.</td>
<td>Wt. 170 lbs.</td>
</tr>
<tr>
<td>tilts 90° r. &amp; l.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floor Model (with production table—</td>
<td>65-310</td>
<td>65-311</td>
<td>65-312</td>
</tr>
<tr>
<td>Bench Model (with standard tilting</td>
<td>65-314</td>
<td>65-315</td>
<td>65-316</td>
</tr>
<tr>
<td>Bench Model (with production table—</td>
<td>65-330</td>
<td>65-331</td>
<td>65-332</td>
</tr>
<tr>
<td>14&quot; x 16&quot; work surface)</td>
<td>Wt. 203 lbs.</td>
<td>Wt. 203 lbs.</td>
<td>Wt. 203 lbs.</td>
</tr>
</tbody>
</table>

Production tables (floor models) have 1½" coolant troughs with ½" pipe taps at rear. Production tables (bench models) have 1½" coolant troughs with ¾" pipe taps at rear.

MULTIPLE SPINDLE MODELS

<table>
<thead>
<tr>
<th>No of Spindles</th>
<th>Type of Table</th>
<th>No. 2 Morse Taper</th>
<th>Type of Spindle and Speed</th>
<th>½&quot; Key Chuck</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Slow Speed</td>
<td>High Speed</td>
<td>Slow Speed</td>
<td>High Speed</td>
</tr>
<tr>
<td>2 Spindle</td>
<td>65-340</td>
<td>65-341</td>
<td>65-342</td>
<td>65-343</td>
</tr>
<tr>
<td>One Piece Table</td>
<td>Wt. 387 lbs.</td>
<td>Wt. 387 lbs.</td>
<td>Wt. 387 lbs.</td>
<td>Wt. 387 lbs.</td>
</tr>
<tr>
<td>3 Spindle</td>
<td>65-350</td>
<td>65-351</td>
<td>65-352</td>
<td>65-353</td>
</tr>
<tr>
<td>One Piece Table</td>
<td>Wt. 879 lbs.</td>
<td>Wt. 879 lbs.</td>
<td>Wt. 879 lbs.</td>
<td>Wt. 879 lbs.</td>
</tr>
<tr>
<td>4 Spindle</td>
<td>65-360</td>
<td>65-361</td>
<td>65-362</td>
<td>65-363</td>
</tr>
<tr>
<td>One Piece Table</td>
<td>Wt. 908 lbs.</td>
<td>Wt. 908 lbs.</td>
<td>Wt. 908 lbs.</td>
<td>Wt. 908 lbs.</td>
</tr>
<tr>
<td>5 Spindle</td>
<td>65-380</td>
<td>65-381</td>
<td>65-382</td>
<td>65-383</td>
</tr>
<tr>
<td>Sectional Table</td>
<td>Wt. 1037 lbs.</td>
<td>Wt. 1037 lbs.</td>
<td>Wt. 1037 lbs.</td>
<td>Wt. 1037 lbs.</td>
</tr>
<tr>
<td>6 Spindle</td>
<td>65-390</td>
<td>65-391</td>
<td>65-392</td>
<td>65-393</td>
</tr>
<tr>
<td>Sectional Table</td>
<td>Wt. 1366 lbs.</td>
<td>Wt. 1366 lbs.</td>
<td>Wt. 1366 lbs.</td>
<td>Wt. 1366 lbs.</td>
</tr>
<tr>
<td>8 Spindle</td>
<td>65-400</td>
<td>65-401</td>
<td>65-402</td>
<td>65-403</td>
</tr>
<tr>
<td>Sectional Table</td>
<td>Wt. 1688 lbs.</td>
<td>Wt. 1688 lbs.</td>
<td>Wt. 1688 lbs.</td>
<td>Wt. 1688 lbs.</td>
</tr>
</tbody>
</table>

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.

FOR SINGLE PHASE OPERATION

1/2 HP, capacitor start, 115/230 V, 60 cy, 1725 RPM Motor, includes on-and-off switch, 115 V 6-ft. cord, 3-prong grounding type plug and adapter, 26 lbs.

No. 62-110

¾ HP, capacitor start, 115/230 V, 60 cy, 1725 RPM Motor, includes on-and-off switch, 115 V 6-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. 1½ lbs.

No. 13-811

Switch Rod. Includes mounting parts. Used with Nos. 62-110 or 62-680 Motors. Provides fingertip control at low cost. 1 lb.

No. 1231

FOR THREE PHASE OPERATION

1½ HP, 298-320/440 V, 50-60 cy, 1425/1725 RPM Motor. Without switch or power cord, 29 lbs.

No. 66-130

1½ HP, 298-320/440 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 298 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, 1½ 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. 1329 or Magnetic Starters No. 49-393 or 49-394 may be used, see page 47 for information on these items.
WALKER-TURNER 15"—4 5/16" 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 3/8" bore) belt guard and either No. 49—186 high speed or No. 49—187 slow speed v-belt.

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. 15 lbs.
No. 15-920
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. 15-1010
Flange, for mounting column on table, complete with screws. 10 lbs.
No. 15-1019

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 3/4" x 10" ground work surface, for bench and floor models. Available as accessory only.
No. 65-829
Production Table, 12 3/4" x 10" ground work surface, for single spindle bench models. Cannot be used with No. 50-399 legs. 110 lbs.
No. 15-116
Production Table, 19 1/2" x 21" ground work surface, for two spindle bench or floor models. Fits No. 50-399 legs. 225 lbs.
No. 15-117
Production Table, 21 1/2" x 31" ground work surface, for three or four spindle bench or floor models. Fits No. 50-399 legs. 460 lbs.
No. 15-119
Production Table, center section. 23 1/2" x 30" ground work surface with 1 1/2" coolant trough. 355 lbs.
No. 15-1505
Production Table, end section. 30 3/4" x 32 3/4" ground work surface with 1 1/2" coolant trough and 1/4" pipe tap at end. 420 lbs.
No. 15-1507

Production Table, 12" x 18" ground work surface, for single spindle floor models (without No. 1006 raising mechanism). 64 lbs.
No. 15-830

RAISING MECHANISM
Raising Mechanism, for No. 15-850 production table. Includes rack, collar and bearing. 9 lbs.
No. 15-1031
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 spindle 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 5/8" 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 28 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

<table>
<thead>
<tr>
<th>15&quot; DRILL PRESS</th>
<th>1 1/2&quot; Key Chuck Models</th>
<th>No. 2 Morse Taper Models</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&quot;A&quot; Overall Height</td>
<td>&quot;B&quot; Spindle To Table (max.)</td>
</tr>
<tr>
<td>Bench Type W/Production Table</td>
<td>44 1/4&quot;</td>
<td>21 3/4&quot;</td>
</tr>
<tr>
<td>Bench Type W/Standard Tilting Table</td>
<td>37 5/8&quot;</td>
<td>10 3/4&quot;</td>
</tr>
<tr>
<td>Floor type W/Production Table</td>
<td>68 1/2&quot;</td>
<td>36 7/8&quot;</td>
</tr>
<tr>
<td>Floor Type W/Standard Tilting Table</td>
<td>68 1/2&quot;</td>
<td>41 1/2&quot;</td>
</tr>
</tbody>
</table>

---

www.OzarkToolManuals.com
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.

**SPECIFICATIONS**

**CAPACITIES**
- Key Chuck: No. 72 (.025") to ¼"  
- Spindle to Column: 7"  
- Spindle to Table: 20½"

**QUILL**
- Stroke: 2¼"

**COLUMN**
- Diameter: 2½"

**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)
# 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.

<table>
<thead>
<tr>
<th>No. of Spindles</th>
<th>Type of Table</th>
<th>With 1/2 H.P., Single Phase Motor</th>
<th>With 1/2 H.P., Single Phase Motor</th>
<th>With 1/2 H.P., 3-Phase Motor</th>
<th>With 1/2 H.P., D.C. Motor</th>
<th>With 1/2 H.P., D.C. Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Spindle</td>
<td>One Piece Table</td>
<td>12000 &amp; 5000 R.P.M.</td>
<td>6000 &amp; 4100 R.P.M.</td>
<td>6000 &amp; 4100 R.P.M.</td>
<td>12000 &amp; 5000 R.P.M.</td>
<td>12000 &amp; 5000 R.P.M.</td>
</tr>
<tr>
<td>2 Spindle</td>
<td>Sectional Table</td>
<td>64030</td>
<td>64031</td>
<td>64032</td>
<td>64033</td>
<td>64034</td>
</tr>
<tr>
<td>3 Spindle</td>
<td>Sectional Table</td>
<td>64040</td>
<td>64041</td>
<td>64042</td>
<td>64043</td>
<td>64044</td>
</tr>
<tr>
<td>4 Spindle</td>
<td>Sectional Table</td>
<td>64050</td>
<td>64051</td>
<td>64052</td>
<td>64053</td>
<td>64054</td>
</tr>
</tbody>
</table>

*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.

## 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 put 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 3/4" ground work surface with 1 3/8" coolant trough. 50 lbs. No. 14-836
- End Sections, two, 1/2" x 15 3/4" ground work surface with 1 3/8" coolant trough and 1/2" pipe taps at end. 25 lbs. No. 14-837
- One Piece Table, 9" x 10 3/4" ground work surface with 1 3/8" 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 3/4 lb. No. 14-829
- Spindle Pulley and No. 14-389 Belt. For 50 and 60 cy. motor. Offering 60 cy motor speeds of 5,000, 6,200 and 4,600 RPM and 50 cy motor speeds of 7,400, 5,100 and 3,300 RPM, 1 3/4 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. 49-293 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 8500 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.

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>68¼&quot;</td>
</tr>
<tr>
<td>Width</td>
<td>31&quot;</td>
</tr>
<tr>
<td>Depth</td>
<td>35&quot;</td>
</tr>
</tbody>
</table>

COLUMN TO CENTER OF DRILL

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum (ram forward)</td>
<td>31&quot;</td>
</tr>
<tr>
<td>Maximum (ram back)</td>
<td>13&quot;</td>
</tr>
</tbody>
</table>

CHUCK TO TABLE

| Series          |                  |                |
|-----------------|------------------|
| 1600 series     | with 30" column  |
| 1700 series     | max. 16¼"        |

QUILL STROKE

<table>
<thead>
<tr>
<th>Series</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1600 series models</td>
<td>4½&quot;</td>
</tr>
<tr>
<td>1700 series models</td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

CAPACITY

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dia. hole in cast iron</td>
<td>1½&quot;</td>
</tr>
<tr>
<td>Dia. hole in steel</td>
<td>7/8&quot;</td>
</tr>
</tbody>
</table>

SPINDLE SPEEDS

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
</tbody>
</table>

SPINDLE SPEED RANGE

<table>
<thead>
<tr>
<th>Motor RPM</th>
<th>Speeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>With 1725 RPM Motor</td>
<td>160 to 8300 RPM</td>
</tr>
<tr>
<td>With 1140 RPM Motor</td>
<td>110 to 5400 RPM</td>
</tr>
</tbody>
</table>

TABLE

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>26&quot; x 18&quot;</td>
</tr>
</tbody>
</table>
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 TILTS FULL 45° RIGHT OR LEFT
Entire drill head assembly readily
rotates to any angle up to 45° right or left for quick
single or multiple angular drilling.

NEW COMPLETELY REDESIGNED HEAD ASSEMBLY
Massive, completely new one-piece
head, both the 4 1/2" (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 165 to
8000 rpm with a 1772 rpm motor
(replacement 110 to 5400 rpm with a 1140 rpm
motor). You get full power transmission
to the spindle at all speeds
and 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 wob
adjustment screws and an ad
justable spindle return stop
control.

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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Column Length and Type of Spindle</th>
<th>Radial Drill Heads Only (Including No. 287 V-belt)</th>
<th>Radial Drill Heads with Jack Shaft (Including belt guard, No. 41-772 motor pulley and two No. 287 V-belts)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30-Inch</td>
<td>42-Inch</td>
<td></td>
</tr>
<tr>
<td>4 1/2 Spindle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel Model</td>
<td>No. 2 Morse Taper</td>
<td>No. 2 Morse Taper</td>
<td>No. 2 Morse Taper</td>
</tr>
<tr>
<td></td>
<td>65-202</td>
<td>65-212</td>
<td>65-203</td>
</tr>
<tr>
<td></td>
<td>wt. 550 lbs.</td>
<td>wt. 550 lbs.</td>
<td>wt. 590 lbs.</td>
</tr>
<tr>
<td>6&quot; Spindle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel Model</td>
<td>No. 2 Morse Taper</td>
<td>No. 2 Morse Taper</td>
<td>No. 2 Morse Taper</td>
</tr>
<tr>
<td></td>
<td>65-252</td>
<td>65-272</td>
<td>65-253</td>
</tr>
<tr>
<td></td>
<td>wt. 600 lbs.</td>
<td>wt. 605 lbs.</td>
<td>wt. 605 lbs.</td>
</tr>
</tbody>
</table>

MOTORS AND MOTOR CONTROLS
FOR SINGLE PHASE OPERATION
1/2 HP, capacitor start, 115/230 V, 60 cycle, 1725
RPM Motor. Includes on-and-off switch, 115 V
8-ft. cord, 3-prong grounding type plug and
adapter. 37 lbs. No. 63-680

FOR THREE PHASE OPERATION
1/2 HP, 208-220/440 V, 50/60 cycle, 1425/1725
RPM Motor. Without switch or power cord. 28 lbs.
No. 66-310
1/2 HP, 208-220/440 V, 60 cycle, 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. Or-
der 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

www.OzarkToolManuals.com
ACCESSORIES FOR 15" - 4 1/2" 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 4 1/4" capacity under hold-down. 2 1/2" from ends of hooked rods to fence. 8 1/4 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. 5 1/2 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. 15-818

SPEED CHANGE-OVER PARTS
For converting slow-speed drill press to high speed model. Consists of No. 49-166 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. 48-167 V-belt and slow speed spindle pulley. 2 1/2 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. 65-822
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. 65-834

ACCESSORIES FOR OLD-STYLE 15" - 4 1/2" SPINDLE TRAVEL DRILL PRESSES
(AND 4 1/2" 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. 1/4 lbs. No. 15-830
0-1/2" Key Chuck. 3-jaw type with No. 2 M.T. shank. 2 1/2 lbs. No. 968

TABLES
(Fit any 2 1/4" diam. column)
Standard 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. 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. 12 1/4" 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. 15-116

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 6" 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. 33 lbs. No. 65-850
ACCESORIES 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, spotting, countersinking, core drilling, etc. A train of accurately machined, heat-treated, double reduction gears eliminates slippage and gives positive, smooth operation. Provides an additional 5 speeds with input-output ratio of 4.7 to 1 RPM. Speed range with 1752 RPM motor: slo-speed model—30 to 2400 RPM; high speed model—150 to 4500 RPM. Spindle travel with attachment is 4". Silo-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. WL 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 provision for remote operation—can be interlocked in any direction with other units or synchronized with automation devices. Adjustable torque feature permits infinite adjustment of drill point pressure for power feeding through wide range of hole diameters. Quill stroke adjustable 3/4 to 5"; four speeds (250, 660, 300 & 312 inches/revolution) consists of feed power mechanism, pinion shaft, jack gear assembly with pulleys, lower pulley assembly, stop rod assembly, quill collar and guide for stop rod. Nos. 49-126 and 49-127 V-belts. 62 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
6-1/2" capacity Drill Chuck with key. 3-jaw type with No. 2 M.T. shank. 2-1/2 lbs. No. 968
6-1/2" capacity Drill Chuck with key. 2-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 frame 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—2/4" from ends of hooked rods to fence—2-1/4". 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 high speed pulleys and No. 506 V-belt. 10 lbs. No. 17-869

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. 20-420
Production Table, same as furnished with single spindle floor models. Has 15 x 15" ground work surface with 4 diagonal and 2 parallel blind T-slots for 1/4" bolts. 112 lbs. No. 20-650
See "20" Drill Press Components" page 51 for a complete list of bench and multiple spindle production tables.

KEY CHUCKS
6-1/2" 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
6-1/2" 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. 20-650 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-facering, 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 195 to 3000 RPM; with 1752 motor — 70 to 1100 RPM; with 1150 RPM motor. Spindle travel with this attachment is 4-15/16". Spindle nose to table dimension is 2-3/4" with Nos. 20-630 and 20-631; 8" with Nos. 20-632 and 20-633. Silo-Speed Attachment with No. 2 M.T. Spindle and No. 2 M.T. Drive Pinion. 11 lbs. No. 20-630
Silo-Speed Attachment with No. 2 M.T. Spindle, and No. 3 M.T. Drive Pinion. 11 lbs. No. 20-631
Silo-Speed Attachment with No. 3 M.T. Spindle and No. 3 M.T. Drive Pinion. 11 lbs. No. 20-632
Silo-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 3/4" to 6", four speeds (250, 660, 300 & 312 inches/revolution) available for all spindle speeds—feeds always remain in direct relation to spindle 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 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

www.OzarkToolManuals.com
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 1800 rpm with 1725 rpm motor; 110 to 1900 rpm with 1140 rpm motor.

* 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.

*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% O. C.

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

COOLANT EQUIPMENT

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 Tank, 16 Gal. capacity, 15¼" x 25½" 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.

On-off toggle switch with 3 wire cord and plug, for single phase.

Starter, manual, for 3 phase. Specify voltage. 6 lbs.

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 ½" x 1¼":

¼" x ½" Chisel, mortises ½" deep No. 504
¼" x ¼" Chisel, mortises 3" deep No. 506
5/16" x 5/16" Chisel, mortises 1½" deep No. 505
½" x ⅛" Chisel, mortises 3" deep No. 508

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

3/16" Bit, with 5/16" dia. shank No. 514
5/16" Bit, with ⅛" dia. shank No. 515
¼" Short Bit, with 19/64" dia. shank. For old style ¾" 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. 74-650

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. 1½ lbs. No. 862
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 balls 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 ........................................... 20”
With eyeshields........................................ 20”
Without eyeshields .................................. 18”
Height ................................................................ 9”
Front to rear .................................................. 8”
Shipping Weight ......................................... 42 lbs.

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. 23-806

Grinding Wheel, 5/8 x 6”, ½” hole, aluminum oxide, 36 grit, grade O (medium hardness and density). Same as furnished with machine.

No. 23-826

Grinding Wheel, same as No. 23-826 except 80 grit. Also same as furnished with machine.

No. 23-627

Wire Wheel, 6” dia., coarse, 2 sections for use singly or together.

No. 2113

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

No. 3114

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

No. 3115
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 goggle 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 andface 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 bells 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.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Floor Model</th>
<th>Base</th>
<th>14¼” x 16”</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width</td>
<td>22½”</td>
</tr>
<tr>
<td></td>
<td>Depth</td>
<td>15”</td>
</tr>
<tr>
<td></td>
<td>Height</td>
<td>47½”</td>
</tr>
<tr>
<td></td>
<td>Tool rest from base</td>
<td>40”</td>
</tr>
<tr>
<td></td>
<td>Wheels</td>
<td>7” dia, 1” face, ½” hole</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bench Model</th>
<th>Base</th>
<th>8½” x 8½”</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width</td>
<td>22½”</td>
</tr>
<tr>
<td></td>
<td>Depth</td>
<td>11”</td>
</tr>
<tr>
<td></td>
<td>Height</td>
<td>13½”</td>
</tr>
<tr>
<td></td>
<td>Tool rest from base</td>
<td>6½”</td>
</tr>
<tr>
<td></td>
<td>Speed</td>
<td>63225 fpm at 3450 rpm; 52225 fpm at 2850 rpm; 31615 fpm at 1725 rpm</td>
</tr>
</tbody>
</table>
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 fits for desired angle. Adjustment quadrant permits accurate grinding of straight or angle knives. Hairline adjustment for amount of "set". 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. 1299**
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 collectors for the 7" Standard Grinder see Page 35.

---

**STANDARD EQUIPMENT**—All models include two No. 1250 Twin-Lite Safety Shields with four No. 1280 Bayonet Type Lamp Bulbs, Wheel Guards, Tool Rests, Water Pot and one each No. 23-815 and No. 23-816 Aluminum Oxide Grinding Wheels. Single phase models include an on/off switch with 8-foot-115 volt cord, grounding-type 3-blade plug and adapter. Floor models also include the No. 73-050 Pedestal.

---

### BENCH MODEL GRINDERS

<table>
<thead>
<tr>
<th>No.</th>
<th>Motor Description</th>
<th>Speed (RPM)</th>
<th>Motor Switch</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>73-100</td>
<td>½ HP, 115/230 V, 60 cy, Single Phase</td>
<td>1725</td>
<td>Toggle</td>
<td>82</td>
</tr>
<tr>
<td>73-101</td>
<td>½ HP, 115/230 V, 60 cy, Single Phase</td>
<td>3450</td>
<td>Toggle</td>
<td>82</td>
</tr>
<tr>
<td>73-103</td>
<td>½ HP, 208-220/440 V, 50/60 cy, 3 Phase</td>
<td>2850/3450</td>
<td>None</td>
<td>82</td>
</tr>
</tbody>
</table>

### FLOOR MODEL GRINDERS

<table>
<thead>
<tr>
<th>No.</th>
<th>Motor Description</th>
<th>Speed (RPM)</th>
<th>Motor Switch</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>73-120</td>
<td>½ HP, 115/230 V, 60 cy, Single Phase</td>
<td>1725</td>
<td>Toggle</td>
<td>149</td>
</tr>
<tr>
<td>73-121</td>
<td>½ HP, 115/230 V, 60 cy, Single Phase</td>
<td>3450</td>
<td>Toggle</td>
<td>149</td>
</tr>
<tr>
<td>73-126</td>
<td>½ HP, 208-220/440 V, 50/60 cy, 3 Phase</td>
<td>2850/3450</td>
<td>None</td>
<td>146</td>
</tr>
<tr>
<td>73-127</td>
<td>½ HP, 208-220/440 V, 50/60 cy, 3 Phase</td>
<td>2850/3450</td>
<td>None</td>
<td>146</td>
</tr>
</tbody>
</table>

**BUFFING MACHINES**

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Motor Description</th>
<th>Speed (RPM)</th>
<th>Motor Switch</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>73-110</td>
<td>½ HP, 115/230 V, 60 cy, Single Phase</td>
<td>3450</td>
<td>Toggle</td>
<td>45</td>
</tr>
<tr>
<td>73-111</td>
<td>½ HP, 115/230 V, 60 cy, Single Phase</td>
<td>1725</td>
<td>Toggle</td>
<td>45</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- Drill Grinding Attachment. Capacity—½" to ½" drills. Includes No. 1694 Holder for Wheel Dresser. 16 lbs. No. 1296
- Plane Blade Grinding Attachment. 6 lbs. No. 1294
- Diamond Pointed Wheel Dresser. ½ 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 ½", 60 grit. Grade N. ½" hole. 4 lbs. No. 23-815
- Aluminum Oxide Wheel, 1" x ½", 46 grit. Grade M. ½" 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, ½" hole, 6" diam. 1 lb. No. 1236
- Wire Brush, Medium-knotted, ½" hole, 6" diam. 1 lb. No. 1237
- Wire Brush, Coarse, ½" hole, 6" diam. 1 lb. No. 1238

---

*When manual starter with overload protection is desired use No. 1320 Manual Starter.*

*Has thermal elements and wiring for 220 V operation. Has thermal elements and wiring for 440 V operation.*
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.

**IN THE LARGE SHOP . . .**

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

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

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

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

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**

<table>
<thead>
<tr>
<th>Height</th>
<th>48&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>28&quot;</td>
</tr>
<tr>
<td>Depth</td>
<td>14&quot;</td>
</tr>
<tr>
<td>Tables</td>
<td>13&quot;x7&quot;</td>
</tr>
<tr>
<td>Base</td>
<td>14&quot;x16&quot;</td>
</tr>
</tbody>
</table>

Tables have 1/4x3/16" groove and tilt 30° toward and 45° away from wheel. Wheels: 1x6" with 1" face, 1 1/4" hole. Plate mounted.
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. 1/2 x 3/16“ 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.

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. 157 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, 208-230/440 V, 50/60 Cy, 2850/3450 RPM Motor. Same as above models except with motors for three phase operation.

Bench Model. 157 lbs. No. 73-032
Floor Model. (Also includes Pedestal) 207 lbs. No. 73-041

NOTE: MODELS FOR 230 VOLT OPERATION AVAILABLE ON SPECIAL ORDER.

ACCESSORIES

Wheel, 1x6" 60 grit, silicon carbide, 1" face, 1/4" hole. 10 lbs. No. 1661
Wheel, 1x6" 120 grit, silicon carbide, 1" face, 11/4" hole. 10 lbs. No. 1662
Wheel, 1x6", 46 grit aluminum oxide (for roughing), 1" face, 11/4" hole, plate mounted. No. 23-841
Wheel, 1x6" 80 grit aluminum oxide (for finishing), 1" face, 11/4" 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
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 setup 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 . .19" Height . .651/2"

CAPACITIES

Maximum surface that can be ground . .6 x 131/2" Maximum space under T wheel to table . .111/2" 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 "Unibend" 16"

SPINDLE SPEEDS WITH 5-STEP V PULLEY

With 1725 RPM motor . .5000 and 4200 RPM With 1425 RPM motor . .5700 and 5000 RPM

TABLE

Longitudinal travel by rack and pinion 131/2" Transverse travel by Acme thread screw 7" Transverse travel one graduation .001" Transverse travel, one complete turn of hand wheel 100"

Surface Area . .5 1/2 x 13" T-slot for 1" T-bolts . .7 1/2"

COLUMN

Diameter . .4" Swivel . .360°

VERTICAL HEAD ADJUSTMENT

Positioned to work by Acme thread screw Micrometer head adjustment . .7/16" Maximum travel 1 1/16" One graduation .0005" WHEELS USED (11/4" hole)

Size of straight wheel . .7 x 1/2" Size of cup wheel . .4 x 1/2" Size of dish wheel . .6 x 1/2 x 5 1/16"

*Not furnished as standard equipment.
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 efficiently 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!
Sharpenes 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).

SURFACE GRINDER FOR SINGLE PHASE OPERATION
Includes: 2-step spindle pulley, 2¼" in diameter; 2-step motor pulley, 5½" 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. 06-320 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 5½" 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. 66-220 motor, 2-step motor pulley 5½" in dia., and No. 49-115 V-belt balanced together for Surface Grinder. 35 lbs. No. 24-831

ACCESSORIES
Wheel, ½", aluminum oxide, 1½" hole, for soft material, balanced to within 1/16 inch ounce. 2 lbs. No. 24-807
Wheel, 1 ½", aluminum oxide, 1½" hole, for hard material, balanced to within 1/16 inch ounce. 2 lbs. No. 24-808
Standard Dish Wheel, Type 12, 6 x ½ x ⅛", aluminum oxide, 1½" hole. 5 lbs. No. 24-973
Standard Cup Wheel, Type 11, 4 x 1 ½", aluminum oxide, 1½" hole. 5 lbs. No. 24-974

Adapter for wheels with 1½" hole. Includes collar for straight wheels up to ½" wide, 4 x 1½" cup wheels, and 6 x ½ x ⅛" 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 ⅜ x 2" body, ½" lbs. No. 24-805

Lamp Attachment, adjustable gooseneck type with nylon shade, 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

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 a heat treated sleeve with a No. 2 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.

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. 3/4 lb.
- 34-tooth plain collar for 17 and 34 equal spaces. 3/4 lb.
- 33-tooth plain collar for 3, 11 and 33 equal spaces. 3/4 lb.
- 32-tooth plain collar for 2, 4, 8, 16 and 32 equal spaces. 3/4 lb.
- 30-tooth plain collar for 3, 5, 6, 10, 15 and 30 equal spaces. 3/4 lb.
- 28-tooth plain collar for 4, 7, 14 and 28 equal spaces. 3/4 lb.
- 26-tooth plain collar for 13 and 26 equal spaces. 3/4 lb.
- 24-tooth plain collar for 2, 3, 4, 6, 8, 12 and 24 equal spaces. 3/4 lb.

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.

34

another ROCKWELL product

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 1/8" high, 6" wide and 7 1/4" long and the jaws take up to 11 5/8" 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 slot.

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. 24-970

No. 74-051

www.OzarkToolManuals.com
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 and 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 1-1/2 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**

**JUST COLLECTOR FOR SINGLE PHASE OPERATION**—Complete with 8’ cord with plug and 1/3 HP, 115/280V, 60 cy, single phase 3450 RPM motor. 120 lbs.

**JUST COLLECTOR FOR 3 PHASE OPERATION**—Complete with 8’ cord with plug and 1/3 HP, 208-230/440V, 50/60 cy, 3 phase 3850/3450 RPM motor. 120 lbs.

**VOTE:** These dust Collectors are not suitable for collecting sawdust, etc.

**Accessories**

- Extra Standard Filter. 8 lbs.
- Filter Pad Holder with two expanded Fiber Pads. 7 lbs.
- Twenty-four Expanded Fiber Filter Pads in carton. For fine dust. 15 lbs.

**Attachment Packages**

(Include Connection Fittings)

- Surface Grinder Attachment. 19 lbs.
- Standard Grinder Attachment. 8 lbs.
- Belt and Disk Finishing Machine Attachments.

For Belt Unit. 7 lbs.

For Disk Unit. 12 lbs.

**Available Connection Fittings**

- 8x Rubber Hose, 2-5/16” x 20” long. 2 lbs.
- 6x Rubber Hose, 3” I.D. x 22” long. 2 lbs.
- 6x Rubber Hose, 3” I.D. x 48” long. 5 lbs.
- 8x Iron Flanges with Screw and Nozzle for 2-5/16” hose. 2 lbs.
- 8x Iron Flanges with Screw and Nozzle for 3” hose. 2 lbs.
- Hose Clamps, adjustable to hose. 5/2 lbs.

**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 ensure 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- 0.003. They can be easily and economically made into precision plates simply by scratching to a master plate, or to each other.

Layout Plate, 15” x 18” x 3”. 63 lbs.

Layout Plate, 16” x 22” x 3”. 71 lbs.

**ARBOR HEAD & COMPONENTS**

For Special Grinding Applications

**ARBOR HEAD**

Engineered for accurate, rugged work and long life. 1/2” arbor runs in sealed, lubricated-for-life ball bearings. Arbor Shaft extends 3/4” out from the inner flange on both sides of head...shaft ends have a 2 1/4” ground Acme thread to accommodate contact rolls and wheels from 3/8” to 2 1/4” in width.

Arbor Head, complete with dynamically balanced arbor pulleys, two 500 drive belts, two 2-1/4” dia. flanges with nuts to fit 1/2” arbor. 3 lbs.

No. 31-377

**RUBBER CONTACT WHEEL**

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

Rubber tire for Contact Wheel, 1/4” wide, 4” dia. 35-40 durometer (med. soft, with 45° serrations). Can be used up to 7500 s.f.p.m. For wood or metal work—slumpings, die castings, forgings and contour grinding. 6 1/2 lbs.

No. 31-377

Hub for Contact Wheel, 1/4” bore, includes bushing and washer for mounting No. 31-377 tire and other type tires with same mounting dimensions. 6 1/2 lbs.

No. 31-377

Rubber Contact Wheel, complete. Consists of No. 31-375 Tire and No. 31-378 Hub. 12 lbs.

No. 31-377

**9 3/4” BACKSTAND IDLER UNIT**

Has hand knob belt tracking control and lateral belt adjustment control. True-running 1/2” x 5/8” 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 5/8” dia. drum which is carried on sealed, lubricated-for-life ball bearings. Complete with mounting bolts and instructions. 20 lbs.

No. 31-423
BELT and DISC FINISHING MACHINE

... versatile 4 x 32½-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 90½ 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.

SPECIFICATIONS

OVERALL DIMENSIONS (on steel stand):
- Width: 35”
- 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 rpm

DISC FINISHING MACHINE:
- Disc: 12” dia.
- Table size: 9¾ x 16¾”
- Height—table to floor: 35¼”
- Table tilt: 20° toward 45° away from disc
- Speed (with 1725 rpm motor): 3416 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 1/2 x 16 1/4 inch table furnishes ample work support, even for finishing extra large patterns.

Finish small, hard-to-handle parts. 4 1/4 x 12 inch plate can be reversed for underside 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, mitring 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.

Contours 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 (¾" 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. 31-655
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

<table>
<thead>
<tr>
<th>4 x 52 1/2&quot; Abrasive Belts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Aluminum Oxide</td>
</tr>
<tr>
<td>Aluminum Oxide</td>
</tr>
<tr>
<td>Aluminum Oxide</td>
</tr>
<tr>
<td>Garnet</td>
</tr>
<tr>
<td>Garnet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12&quot; Abrasive Discs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package of Six</td>
</tr>
<tr>
<td>Garnet</td>
</tr>
<tr>
<td>Aluminum Oxide</td>
</tr>
</tbody>
</table>

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

www.OzarkToolManuals.com
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**

<table>
<thead>
<tr>
<th>OVERALL DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height: 54(\frac{1}{2})“</td>
</tr>
</tbody>
</table>

**CAPACITIES:**

- HIGH SPEED ABRASIVE CUT-OFF MACHINE (ferrous)
  - Round bar: 1\(\frac{1}{4}\)“ dia.
  - Tubing: 3“ dia.
  - (when cutting with new wheel)

- HIGH SPEED CUT-OFF SAW (Non-ferrous)
  - Round bar: 1\(\frac{1}{2}\)“ dia.
  - Tubing: 3“ dia.

**SPEEDS** (with 1725 rpm motor)

<table>
<thead>
<tr>
<th>RPM</th>
<th>Blade or Wheel diameter (maximum)</th>
<th>Arbor hole</th>
<th>Drive</th>
<th>Table Surface</th>
<th>Table Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,720</td>
<td>12“</td>
<td>1“</td>
<td>matched set of 3 V-belts</td>
<td>17 x 22(\frac{3}{4})“</td>
<td>35(\frac{1}{2})“</td>
</tr>
</tbody>
</table>

**catalog listing**

HIGH SPEED ABRASIVE CUT-OFF MACHINE FOR FERROUS METALS


Floor Model, 452 lbs. No. 71-010

Bench Model, (Less floor stand and motor starter), 265 lbs. No. 70-000

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

Includes 3 HP, 268-220-440 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. 70-035

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. 70-046

www.OzarkToolManuals.com
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.

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. 70-899

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 cycle motor, pump, reservoir, piping valve and tube nozzles. No. 70-823

www.OzarkToolManuals.com
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!

SPECIFICATIONS

<table>
<thead>
<tr>
<th>CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade to column</td>
</tr>
<tr>
<td>Maximum Height under Top Guide</td>
</tr>
<tr>
<td>Height under Upper Wheel Guard</td>
</tr>
<tr>
<td>Infinite choice of Speeds</td>
</tr>
<tr>
<td>in Gear Drive</td>
</tr>
<tr>
<td>in Direct Drive</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OVERALL DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front to Rear</td>
</tr>
<tr>
<td>Left to Right</td>
</tr>
<tr>
<td>Height</td>
</tr>
</tbody>
</table>

| FLOOR SPACE REQUIRED          | 26x23" |

<table>
<thead>
<tr>
<th>TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
</tr>
<tr>
<td>Front to Center of Blade</td>
</tr>
<tr>
<td>Size of Groove for Miter Gauge</td>
</tr>
<tr>
<td>Center of Groove to Blade</td>
</tr>
<tr>
<td>Tilt</td>
</tr>
<tr>
<td>Height from floor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BLADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
</tr>
<tr>
<td>Maximum Width</td>
</tr>
<tr>
<td>CHIP CHUTE CONNECTION DIAMETER</td>
</tr>
</tbody>
</table>

| APPROX. SHIPPING WEIGHT with MOTOR AND SWITCH | 700 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.

Perfected 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

NEW SCIENTIFICALLY DESIGNED BLADE GUIDES

- Heavily ribbed 34½" x 54½" 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.

- 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 absorbs 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) keeps cutting line free of chips. Built-in chute carries away chips. Separate chip removal brushes thoroughly clean 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.

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. 26-665 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. 28-301

20" VARIABLE SPEED BAND SAW FOR THREE PHASE OPERATION:


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 HP, 208-220 V, 60 Cy. Motor and Magnetic Starter. Includes No. 86-500 1 HP motor, No. 49-390 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 1½ HP, 208-220 V, 60 Cy. Motor and Magnetic Starter. Includes No. 87-120 1½ HP motor, No. 49-390 magnetic starter with low-voltage, no voltage and overload protection, mounted and wired. No. 28-510

With 1½ 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 lb. No. 28-355

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

Let's 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.
- **Safe 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**

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>16&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade to Frame</td>
<td></td>
</tr>
<tr>
<td>Under Guide</td>
<td>8&quot;</td>
</tr>
</tbody>
</table>

**SPEED:**

- 50 to 3500 FPM

**DIMENSIONS:**

- Overall Height on Base: 68 1/2"
- Width: 33 1/2"
- Depth: 28"

- Table: 18 x 19"
- Table Tilt: to right 45°, to left 5°
- Miter Gauge Groove: 9/16" x 9/16"
- Blade Width, Maximum: 9/16"
- Blade Length (Standard): 11 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, JUKE BLADE ADJUSTMENTS
Tensioning and tracking mechanism is incorporated in the upper wheel unit . . . assembly is guided by 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.

16" VARIABLE SPEED BAND SAW. Includes base, push-button switch, No. 49-284 lamp assembly, ½" metal cutting blade, guide bar, No. 51-912 and 49-167 V-tells and No. 51-020 motor pulley. Less motor. 645 lbs. No. 78-810

MOTORS
FOR SINGLE PHASE OPERATION
½ HP. 115/230 V. 60 cy. 1140 RPM Motor. 78 lbs. No. 82-810

FOR THREE PHASE OPERATION
¾ HP. 208-220/440 V. 60 cy. 1140 RPM Motor. 85 lbs. No. 84-810

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

Band Saw Vice. Quick-change type. No. 78-811

catalog listing
ACCESSORIES FOR 20", and 16" BAND SAWS

NEW WALKER-TURNER BUTT WELDERS
Enable you to weld your own blades from economical cold-rolled 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— 1/4" to 3/8" wide. Incorporates a wide 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, 20 amperes for 60 cy., single phase current, only with 8-foot cord and 3-prong parallel-plug (grounding type). 59 lbs.
Butt Welder, for 230V, 15 amperes for 60 cy., single phase current only with 8-foot cord and 3-prong tandem-plug, and receptacle. 59 lbs.
Bracket for mounting butt welder to frame of 20" or 16" Band Saws. 21 lbs.

METER 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 4½"x3¼" guide bar complete with stop rods. 6 lbs.

ACCESSORIES for 20" BAND SAW

FENCE ATTACHMENT
Especially recommended for ripping and resawing lumber. Fence can be set anywhere from 1½" to the left of the blade to 25" to the right. Band saw table is drilled for easy installation. Fence Attachment including 2 1/2"x27" Micro-Set fence with front and rear locks, two 44" tubular guide rails and mounting screws. 29 lbs.

LAMP ATTACHMENT
Brings light to your work right at the point where it is needed. Lamp Attachment, including 15" flexible gooseneck, vinyl shield, mounting brackets, switch and 8-foot cord with 2-prong plug. 2 lbs.

BAND SAW BLADES All standard 141/2" long

<table>
<thead>
<tr>
<th>Teeth Per In.</th>
<th>Width</th>
<th>Minimum Cutting Radius</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>½&quot;</td>
<td>2½&quot;</td>
<td>38-865</td>
</tr>
<tr>
<td>14</td>
<td>⅛&quot;</td>
<td>2½&quot;</td>
<td>38-866</td>
</tr>
<tr>
<td>18</td>
<td>⅜&quot;</td>
<td>2½&quot;</td>
<td>38-867</td>
</tr>
<tr>
<td>24</td>
<td>⅜&quot;</td>
<td>2½&quot;</td>
<td>38-868</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Teeth Per In.</th>
<th>Width</th>
<th>Minimum Cutting Radius</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>¼&quot;</td>
<td>¼&quot;</td>
<td>38-890</td>
</tr>
<tr>
<td>4</td>
<td>⅛&quot;</td>
<td>1¼&quot;</td>
<td>38-894</td>
</tr>
<tr>
<td>2</td>
<td>1&quot;</td>
<td>For resawing</td>
<td>38-896</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teeth Per In.</th>
<th>Width</th>
<th>Minimum Cutting Radius</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>⅜&quot;</td>
<td>⅝&quot;</td>
<td>38-875</td>
</tr>
<tr>
<td>5</td>
<td>⅜&quot;</td>
<td>¾&quot;</td>
<td>38-876</td>
</tr>
<tr>
<td>5</td>
<td>⅝&quot;</td>
<td>1&quot;</td>
<td>38-877</td>
</tr>
<tr>
<td>4</td>
<td>⅜&quot;</td>
<td>1¼&quot;</td>
<td>38-878</td>
</tr>
<tr>
<td>3</td>
<td>⅛&quot;</td>
<td>2&quot;</td>
<td>38-879</td>
</tr>
<tr>
<td>2</td>
<td>1&quot;</td>
<td>For resawing</td>
<td>38-880</td>
</tr>
</tbody>
</table>

ACCESSORIES for 16" BAND SAW

<table>
<thead>
<tr>
<th>Teeth Per In.</th>
<th>Width</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>½&quot;</td>
<td>78-061</td>
</tr>
<tr>
<td>14</td>
<td>⅛&quot;</td>
<td>78-062</td>
</tr>
<tr>
<td>18</td>
<td>⅜&quot;</td>
<td>78-063</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teeth Per In.</th>
<th>Width</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>¼&quot;</td>
<td>78-053</td>
</tr>
<tr>
<td>5</td>
<td>⅛&quot;</td>
<td>78-055</td>
</tr>
<tr>
<td>5</td>
<td>⅜&quot;</td>
<td>78-060</td>
</tr>
<tr>
<td>5</td>
<td>⅛&quot;</td>
<td>78-065</td>
</tr>
</tbody>
</table>

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. 49-364

ALL TRADE MARKS ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS. COPYRIGHT 1953
**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.

<table>
<thead>
<tr>
<th>Outside Circumference</th>
<th>No.</th>
<th>Outside Circumference</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>19½&quot;</td>
<td>49-127</td>
<td>39½&quot;</td>
<td>49-115(b)</td>
</tr>
<tr>
<td>23&quot;</td>
<td>49-126</td>
<td>41&quot;</td>
<td>51-005</td>
</tr>
<tr>
<td>24½&quot;</td>
<td>49-102</td>
<td>41½&quot;</td>
<td>49-168(b)</td>
</tr>
<tr>
<td>25&quot;</td>
<td>49-132</td>
<td>44&quot;</td>
<td>51-006</td>
</tr>
<tr>
<td>25½&quot;</td>
<td>271</td>
<td>45&quot;</td>
<td>51-013(a)</td>
</tr>
<tr>
<td>28&quot;</td>
<td>49-103</td>
<td>45½&quot;</td>
<td>49-167(b)</td>
</tr>
<tr>
<td>28½&quot;</td>
<td>51-004</td>
<td>46&quot;</td>
<td>51-007</td>
</tr>
<tr>
<td>30½&quot;</td>
<td>280</td>
<td>47&quot;</td>
<td>51-008</td>
</tr>
<tr>
<td>31½&quot;</td>
<td>49-101</td>
<td>48&quot;</td>
<td>51-009</td>
</tr>
<tr>
<td>31½½&quot;</td>
<td>287</td>
<td>51½&quot;</td>
<td>49-142</td>
</tr>
<tr>
<td>32½&quot;</td>
<td>49-163</td>
<td>52&quot;</td>
<td>501</td>
</tr>
<tr>
<td>33½&quot;</td>
<td>273</td>
<td>52½&quot;</td>
<td>49-164(c)</td>
</tr>
<tr>
<td>35&quot;</td>
<td>51-001</td>
<td>54½&quot;</td>
<td>520</td>
</tr>
<tr>
<td>36½&quot;</td>
<td>51-012</td>
<td>58½&quot;</td>
<td>560</td>
</tr>
<tr>
<td>39½&quot;</td>
<td>14-833</td>
<td>62½&quot;</td>
<td>49-108(ch)</td>
</tr>
<tr>
<td>39½½&quot;</td>
<td>14-834</td>
<td>64½&quot;</td>
<td>501-011(f)</td>
</tr>
</tbody>
</table>

(a) - Matched Set of Three  
(b) - Vibration Free  
(c) - Specially Constructed  
(d) - Matched Set of Four  
(e) - 3L Section  
(f) - 3L Section  
(g) - Cot G Belt  
(h) - Steel Reinforced Type  
(i) - Flat Type  
(j) - Special Width

**GRINDING WHEELS**

<table>
<thead>
<tr>
<th>No. of Steps or Grooves</th>
<th>Diameter(s) in Inches</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2½&quot;</td>
<td>5250A</td>
</tr>
<tr>
<td>2</td>
<td>2½&quot;</td>
<td>5275A</td>
</tr>
<tr>
<td>3</td>
<td>3&quot;</td>
<td>5300A</td>
</tr>
<tr>
<td>4</td>
<td>4&quot;, 4½&quot;</td>
<td>52400A</td>
</tr>
<tr>
<td>4</td>
<td>5&quot;, 3½&quot;, 2¼&quot;, 1½&quot;</td>
<td>41-772</td>
</tr>
<tr>
<td>4</td>
<td>5½&quot;, 4½&quot;, 3½&quot;, 2½&quot;</td>
<td>9852A</td>
</tr>
<tr>
<td>4</td>
<td>6&quot;, 5½&quot;, 4½&quot;, 3½&quot;, 2½&quot;</td>
<td>5600A</td>
</tr>
<tr>
<td>5</td>
<td>6½&quot;, 5½&quot;, 4½&quot;, 3½&quot;, 2½&quot;, 2&quot;</td>
<td>1312A</td>
</tr>
<tr>
<td>5</td>
<td>7&quot;</td>
<td>5700A</td>
</tr>
</tbody>
</table>

**WIRE and FIBER WHEELS**

Wire wheels for removing rust and scale from metals.

Fine, 6" diam. with ¾" hole. 1 lb. Cat. No. 1356
Medium, 6" diam. with ¾" hole. 1 lb. Cat. No. 1327
Coarse, 6" diam. with ¾" hole. 1 lb. Cat. No. 1238
Coarse, 6" diam. with ½" hole. Set of 2. 1 lb. Cat. No. 3112

Fiber wheel for general cleaning. 6" diam. with ½" hole. Set of 2. 1 lb. Cat. No. 3115

**LAMP ATTACHMENTS**

Lamp attachments for use with several 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. Cat. 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, 2-prep plug. Uses bulbs up to 100 watts. 2 lbs. Cat. No. 23-857
Uses standard 15 or 25 watt bulb. Complete with mounting bracket, shade, socket and 8-ft. 115 V. cord. 1½ lb. Cat. No. 002

**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 screws, 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. 49-324
Push Button Self Spray Cans (12 sz. oz.) 1 lb. Cat. No. 49-223
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.

45
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

<table>
<thead>
<tr>
<th>NO.</th>
<th>HP</th>
<th>RPM</th>
<th>Volts</th>
<th>Cycles</th>
<th>Shaft</th>
<th>Switch</th>
<th>CORD AND PLUG</th>
<th>TEMP. RISE</th>
<th>ENCLOSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>62-110</td>
<td>1/2</td>
<td>1725</td>
<td>115/230</td>
<td>60</td>
<td>1/2&quot; Double(B)</td>
<td>Included(C)</td>
<td>Included(D)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>62-680</td>
<td>1/2</td>
<td>1725</td>
<td>115/230</td>
<td>60</td>
<td>1/2&quot; Single(B)</td>
<td>Included(C)</td>
<td>Included(D)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>62-810</td>
<td>1/2</td>
<td>1725</td>
<td>115/230</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>82-710</td>
<td>1/2</td>
<td>1725</td>
<td>115/230</td>
<td>60</td>
<td>3/4&quot; Single(L)</td>
<td>Included(C)</td>
<td>Included(D)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>82-810(A)</td>
<td>3/4</td>
<td>1140</td>
<td>115/230</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>82-830(A)</td>
<td>3/4</td>
<td>1140</td>
<td>115/230</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>82-510</td>
<td>1</td>
<td>1140</td>
<td>115/230</td>
<td>60</td>
<td>3/4&quot; Double(I)</td>
<td>Included(C)</td>
<td>Included(D)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>82-612</td>
<td>1</td>
<td>1140</td>
<td>115/230</td>
<td>60</td>
<td>3/4&quot; Double(I)</td>
<td>Included(C)</td>
<td>Included(D)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>83-560</td>
<td>1</td>
<td>1725</td>
<td>115/230</td>
<td>60</td>
<td>3/4&quot; Double(I)</td>
<td>Included(C)</td>
<td>Included(D)</td>
<td>40°C</td>
<td>Open</td>
</tr>
</tbody>
</table>

(A)—Supplied with completely enclosed cut-out switches and high velocity fan.
(b)—With ground flange.
(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.

## THREE PHASE MOTORS

<table>
<thead>
<tr>
<th>NO.</th>
<th>HP</th>
<th>RPM</th>
<th>Volts</th>
<th>Cycles</th>
<th>Shaft</th>
<th>Switch</th>
<th>CORD AND PLUG</th>
<th>TEMP. RISE</th>
<th>ENCLOSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>66-120</td>
<td>1/2</td>
<td>1425/1725</td>
<td>208-220/440</td>
<td>50/60</td>
<td>1/2&quot; Double(B)</td>
<td>Included(C)</td>
<td>Included(D)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>66-340</td>
<td>1/2</td>
<td>1425/1725</td>
<td>208-220/440</td>
<td>50/60</td>
<td>1/2&quot; Single(B)</td>
<td>Included(C)</td>
<td>Included(D)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>66-830</td>
<td>1/2</td>
<td>1140</td>
<td>208-220/440</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>66-820</td>
<td>1/2</td>
<td>1425/1725</td>
<td>208-220/440</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>86-520</td>
<td>1/2</td>
<td>1425/1725</td>
<td>208-220/440</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>86-720</td>
<td>1/2</td>
<td>1140</td>
<td>208-220/440</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>86-810</td>
<td>3/4</td>
<td>1140</td>
<td>208-220/440</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>66-840</td>
<td>1</td>
<td>1425/1725</td>
<td>208-220/440</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>86-922</td>
<td>1</td>
<td>1140</td>
<td>208-220/440</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
<tr>
<td>87-120</td>
<td>1</td>
<td>1425/1725</td>
<td>208-220/440</td>
<td>60</td>
<td>3/4&quot; Single(K)</td>
<td>None(F)</td>
<td>None(G)</td>
<td>40°C</td>
<td>Open</td>
</tr>
</tbody>
</table>

(E)—With 3/4" x 3/4" 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 single-phase motor to control switch. Complete with clamp fittings. No. 49-315

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

## SWITCHES

### Switches

46 HP, 125 to 250 V AC-DC for single phase (or DC) motor on Coolant Pump. Complete with 4-wire cord and plug set. No. 49-312

### Push Button Switch

(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. 49-365

### PULL BUTTON SWITCH KITS—MANUAL

Manual Control Push Button Switch Kit. Three pole type, rated up to 1 HP, 125 to 250 V AC-DC for single phase (or DC) motor. Complete with 4-wire connecting assembly. No. 49-383

### MOTOR SWITCHES

V, AC, for three phase motor on 17" and 20" Drill Press. Complete with 6-wire connecting assembly. No. 49-312

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) motor, 17" and 20" Drill Press. Complete with 4-wire connecting assembly. No. 49-361

Manual Control Push Button Switch Kit. Three pole type, rated single phase (or DC) 1 HP, 125 to 250 V AC-DC. Complete with 6-wire connecting assembly. No. 49-312

Manual Control Push Button Switch Kit. Three pole type, rated single phase (or DC) 1 HP, 125 to 250 V AC-DC. Complete with 4-wire connecting assembly. No. 49-361

Manual Control Push Button Switch Kit. Three pole type, rated single phase (or DC) 1 HP, 125 to 250 V AC-DC. Complete with 4-wire connecting assembly. No. 49-361

Manual Control Push Button Switch Kit. Three pole type, rated single phase (or DC) 1 HP, 125 to 250 V AC-DC. Complete with 4-wire connecting assembly. No. 49-361

Manual Control Push Button Switch Kit. Three pole type, rated single phase (or DC) 1 HP, 125 to 250 V AC-DC. Complete with 4-wire connecting assembly. No. 49-361
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

<table>
<thead>
<tr>
<th>A MAX</th>
<th>AA</th>
<th>B MAX</th>
<th>BA</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>M</th>
<th>N-W</th>
<th>P APPROX</th>
<th>X</th>
<th>W</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>6%</td>
<td>1/2</td>
<td>3/4</td>
<td>2</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>1/2</td>
<td>28</td>
<td>62-110</td>
</tr>
<tr>
<td>6%</td>
<td>1/2</td>
<td>3/4</td>
<td>2</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>1/2</td>
<td>37</td>
<td>62-680</td>
</tr>
<tr>
<td>6%</td>
<td>1/2</td>
<td>1 1/4</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>1/2</td>
<td>31</td>
<td>62-810</td>
</tr>
<tr>
<td>8%</td>
<td>1/2</td>
<td>3 1/2</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>8</td>
<td>62-830</td>
</tr>
<tr>
<td>7%</td>
<td>1/2 &amp; 3/4</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>8</td>
<td>62-910</td>
<td></td>
</tr>
<tr>
<td>8%</td>
<td>1/2</td>
<td>3 1/2</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>8</td>
<td>62-910</td>
</tr>
<tr>
<td>5%</td>
<td>1/2</td>
<td>3 1/2</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>8</td>
<td>62-910</td>
</tr>
<tr>
<td>5%</td>
<td>1/2</td>
<td>3 1/2</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>8</td>
<td>62-910</td>
</tr>
</tbody>
</table>

(I)—Supplied with one shaft guard for maximum safety to the operator.
(J)—Separately mounted for 20" band saw.

THREE PHASE MOTORS

<table>
<thead>
<tr>
<th>A MAX</th>
<th>AA</th>
<th>B MAX</th>
<th>BA</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>M</th>
<th>N-W</th>
<th>P APPROX</th>
<th>X</th>
<th>W</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>6%</td>
<td>1/2</td>
<td>3/4</td>
<td>2</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>1/2</td>
<td>25</td>
<td>66-120</td>
</tr>
<tr>
<td>6%</td>
<td>1/2</td>
<td>3/4</td>
<td>2</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>1/2</td>
<td>29</td>
<td>66-340</td>
</tr>
<tr>
<td>6%</td>
<td>1/2</td>
<td>3/4</td>
<td>2</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>1/2</td>
<td>30</td>
<td>66-830</td>
</tr>
<tr>
<td>6%</td>
<td>1/2</td>
<td>3/4</td>
<td>2</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>1/2</td>
<td>28</td>
<td>66-820</td>
</tr>
<tr>
<td>8%</td>
<td>1/2</td>
<td>3 1/2</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>4</td>
<td>86-520</td>
</tr>
<tr>
<td>8%</td>
<td>1/2</td>
<td>3 1/2</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>4</td>
<td>86-720</td>
</tr>
<tr>
<td>8%</td>
<td>1/2</td>
<td>3 1/2</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>4</td>
<td>86-720</td>
</tr>
<tr>
<td>7%</td>
<td>1/2 &amp; 3/4</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>6</td>
<td>66-810</td>
<td></td>
</tr>
<tr>
<td>8%</td>
<td>1/2</td>
<td>3 1/2</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>6</td>
<td>66-840</td>
</tr>
<tr>
<td>8%</td>
<td>1/2 &amp; 3/4</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>56</td>
<td>66-920</td>
<td></td>
</tr>
<tr>
<td>8%</td>
<td>1/2 &amp; 3/4</td>
<td>3</td>
<td>3/4</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3/4</td>
<td>3/6</td>
<td>3</td>
<td>70</td>
<td>66-922</td>
<td></td>
</tr>
</tbody>
</table>

(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)

STURMERS AND WIRING SETS

Phase 2 HP, 208 to 375 V for single (DC) or 3 phase motors on Belt and Disc Finishing Machines. Complete with cut-out, wire and connecting and feeder. No. 49-378

PUSH BUTTON SWITCH KITS—MAGNETIC

Magnetic Control Push Button Switch Kit. Complete with 3 wire connection for connecting between control switch and magnetic starters on 15'-4'-15' Spindle Travel Drill Presses. No. 13-312

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

OVERLOAD SWITCH

Overload Switch. Two-pole type, rated single phase: 1/2 HP, 115 V, 3 HP, 220 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 575 V, 60 Cy, AC for 3 phase motors. Specify voltage, HP and RPM when ordering. No. 1320

MAGNETIC STARTERS

Magnetic Starter. Size 0. NEMA type 1 enclosure, rated 5 HP, 208 to 575 V, 60 Cy, AC for 3 phase motors. Specify voltage, HP and RPM when ordering. No. 49-397

MOUNTING BRACKETS

Bracket for mounting overload switch, manual or magnetic starters, 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 setups. Complete with bolts, nuts and washers. No. 49-265

www.OzarkToolManuals.com