

# Delta 17" Drill Presses



## Step Pulley or Variable Speed Models

The Delta 17" Drill Press is available in many variations. The Step Pulley models are available in high or low speed configurations.

The Delta Step Pulley or Variable Speed Multiple Spindle models can be ordered custom-assembled using any combination of Step Pulley or Variable Speed Heads with single spindle or any number of spindles.

Pulley guard swings up and away for easy speed change; pivot-type motor mount assures proper belt tension; unique double spindle eliminates spindle whip thus providing greater accuracy.

Woodworking table tilts and has clamping ledges. Metalworking production table tilts and has a 3/4" tapped oil trough.



### Specifications

#### Overall Dimensions:

- Bench Type:
- Height (Step Pulley) .....49-3/8"
  - (Variable Speed) .....51-1/8"
  - Width (Step Pulley) .....23-1/2"
  - (Variable Speed) .....23-5/8"
- Front to rear
- (Step Pulley) .....35-15/32"
  - (Variable Speed) .....36-3/8"
- Floor type (with production table):
- Height (Step Pulley) .....70"
  - (Variable Speed) .....71-3/4"
  - Width (Step Pulley) .....18-1/4"
  - (Variable Speed) .....20-1/2"
- Front to Rear
- (Step Pulley) .....32-11/32"
  - (Variable Speed) .....32-3/8"

#### Table Working Surface, Ground:

- Standard .....11" x 14"
- Production:
- Overall .....16" x 20-1/2"
  - Inside of coolant trough .....12-1/2" x 17"
  - T-Slots (Two on 9" centers) .....9/16"

#### Base Working Surface:

- Bench .....16" x 18"
- Floor .....13-3/4" x 16-3/16"

#### Quill:

- Stroke:
- Manual feed .....0 to 5"
  - Power feed .....1/2" to 5"
  - Diameter .....2-1/4"

#### Capacities:

- Key chuck .....0 to 1/2"
- Diameter hole:
- In steel .....11/16"
  - In cast iron .....7/8"

#### Spindle Speeds:

- Step Pulley model with 1725 RPM motor:
- High speed model .....700, 1150, 1750, 2750, and 4250 RPM
  - Slo speed model .....385, 600, 935, 1450, and 2240 RPM
- Step Pulley model with 1140 RPM motor:
- High speed model .....460, 760, 1140, 1815, and 2800 RPM
  - Slo speed model .....255, 400, 615, 960, and 1475 RPM

#### Variable speed model:

- With 1725 RPM motor .....350 to 4250 RPM
- With 1140 RPM motor .....230 to 2830 RPM

#### Power Feed Models:

- Feeds:
- Variable rate mechanical type .....from .003 to .018 ipr

#### Column:

- Diameter .....3-1/2"
- Wall thickness .....11/64"

## Single Spindle Models

| Type                                 | Drill Press Model Numbers   |                              |                                  |
|--------------------------------------|-----------------------------|------------------------------|----------------------------------|
|                                      | No. 2 Morse Taper Slo Speed | No. 2 Morse Taper High Speed | No. 2 Morse Taper Variable Speed |
| Standard Tilting Table – Floor Model | 17-410                      | 17-440                       | 17-521*                          |
| Production Table – Floor Model       | 17-420                      | 17-450                       | 17-531*                          |
| Heads Only                           | 17-430                      | 17-460                       | 17-541*                          |

\*Variable speed models furnished only with electricals, factory mounted and wired, ready to run.

| Motor, Control & Feed No. |            | 60 Hz, 1725 RPM, TEFC Motor |    |         | Motor Controls  |
|---------------------------|------------|-----------------------------|----|---------|---|
| Hand Feed                 | Power Feed | PH                          | HP | Voltage |   |
| 1                         | 5          | Single                      | 1  | 115/230 | Push button switch only   |
| 2                         | 6          | Single                      | 1  | 115/230 | 24 volt push button station, magnetic starter, transformer, and overload protection (LVC)           |
| 3                         | 7          | Three                       | 1  | 230/460 | 24 volt push button station, magnetic starter, transformer, and three-leg overload protection (LVC) |
| 4                         | 8          | Three                       | 1  | 200     | 24 volt push button station, magnetic starter, transformer, and three-leg overload protection (LVC) |

To order please specify Delta's Drill Press model number; motor, control, and feed number; and voltage.



# Delta Ram Type Radial Drill Press

## Drills to Center of a 60" Circle

- Extra Drilling Capacity:  
Drill head can be moved to the work ...tilts 45° (right or left) ... the head swivels 360° for operations either on or off the table
- Extra Speed Range:  
Built-in jack shaft provides 16 different speeds from 175 RPM to 8200 RPM
- Extra Capacity:  
Column is 42" long for extra spindle nose to table capacity. The 6" quill stroke has a ram travel of 17"

### Specifications

Capacities:  
 Key Chuck ..... 0 to 1/2"  
 Diameter hole:  
   in Cast Iron ..... 1/2"  
   in Steel ..... 3/8"  
 Ram travel, maximum ..... 17"  
 Column to center line of spindle:  
   Maximum (ram forward)..... 30"  
   Maximum (ram back)..... 13"  
 Spindle to table ..... 3-1/16" to 24-3/16"  
 Vertical Travel of Head Using Raising Mechanism. 20"  
 Column..... 3-3/4" Diameter  
 Table:  
 Ground work surface ..... 26" wide x 18" deep  
 Has four parallel 1/2" T-slots on 4" centers; 1-3/4" coolant trough all around with 1/2" pipe tap.  
 Quill:  
 Stroke ..... 6"  
 Diameter ..... 1-13/16"  
 Spindle Speeds (with 1725 RPM motor):  
 175, 365, 380, 600, 695, 765, 1030, 1250, 1380, 1450, 2200, 2300, 2800, 4000, 4750, 8200 RPM  
 Head Tilts 90° ..... 45° Left, Vertical, 45° Right



### Standard Machine & Equipment

DELTA RAM TYPE RADIAL DRILL PRESS, 6" spindle travel model with No. 2 Morse Taper spindle; 42" column; No. 65-863 floor stand; head; jack shaft assembly; ram; cradle; table; raising mechanism; belt guards; No. 41-772 motor pulley; No. 49-287 V-belt (31-1/8" OC); No. 49-105 V-belt (30-1/8" OC); motor and controls.

| Delta Machine Number | 60 Hz, 1725 RPM, TEFC Motor |     |         | Motor Controls  |
|----------------------|-----------------------------|-----|---------|---|
|                      | PH                          | HP  | Voltage |   |
| 15-126               | Single                      | 1/2 | 115/230 | 24 volt push button station, magnetic starter, transformer, and overload protection           |
| 15-127               | Three                       | 1/2 | 230/460 | 24 volt push button station, magnetic starter, transformer, and three-leg overload protection |

### Accessories

- Delta No. 15-830 Drill Chuck:
- 3-jaw type
  - 0 – 1/2" capacity
  - Jacob's #33 Taper

- Delta No. 25-858 Lamp Attachment:
- 115 volt

To order please specify Delta's machine number, voltage and accessories if required.

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