

Clausing 20"

Drill Presses

Infinitely Variable Speed Countershaft Drive...

Dial to the best rpm for the tool and material while the job is running, with a Clausing Two Speed Variable Speed Drill Press.

150 to 2000 rpm... speeds to drill large holes, small holes to spot face, counterbore and ream.

A flip of the switch changes from low range to high range, perfect for production applications with quick change tooling.

Greater capacity, too, with Clausing Two Speed, production rated 1" in cast iron, 3/4" in steel with optional power feed.

Handle more jobs ... better, faster with a Clausing 20" Two Speed drill press.

More features for superior performance...

Heavy-duty precision head... all bearing surfaces are precision bored simultaneously for exact alignment. Eight ball bearings support the drive and spindle, lower spindle bearing has a double row to absorb both radial and thrust loads.

3 MT spindle... with 6-1/2" travel, 2-1/2" diameter quill and thread adjustable depth stop.

4" column with 3/16" thick wall for great rigidity and accuracy. Precision ground 22" x 19" coolant trough table, handles large parts and fixtures.



Style A

Floor Drill

22" x 19.5" (559 x 495mm) Table, 66" (1676mm) column standard and 1/2" cored T-slots on 9" centers for table and base

SEE MODELS



Style B

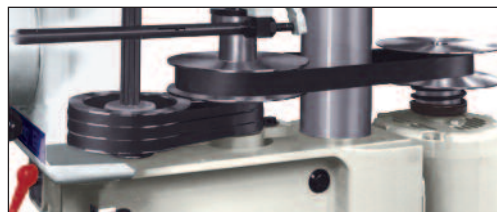
Head & Column Assembly

mounted on optional 20-501 Table Assembly* **SEE MODELS**



Clausing Drills are equipped with a Spindle Guard that locks in an upright position, away from spindle nose, for easy tool changes.

Powerful Countershaft Drive



Three V-belts and a cog belt transmit positive power to the spindle.

Clausing's heavy-duty drive delivers full power to spindle at all speeds.

Specifications:

Capacity, hand feed	1.25" (31.75mm) dia.
Production rated, with optional power feed, 1 1/2 hp motor	1" (25.4mm) in cast iron 3/4" (19mm) in mild steel
Drill to center of circle	20" (508mm) dia.
Spindle nose	No. 3MT, 1.74" (44.2mm) OD
Spindle travel	6.5" (165mm)
Column	ground steel, 4" (102mm) dia., 3/8" (9.5mm) thick wall
Quill (ground steel)	2.5" (63.5mm) dia.
Quill return spring, capacity	40 lbs (18kg)
TABLE, DRILL PRESS Style A	
Working surface	22" x 19.5" (559 x 495mm)
Table slots	two, 15.5" (394mm) long, for .5" (12.7mm) T-bolt
Table travel, one setting	20" (508mm)
Spindle to table, maximum	33.125" (841mm)
BASE, DRILL PRESS Style A	
Working surface, ground	15.5" x 13" (394 x 330mm)
Base T-slots	two, 13" (330mm) long, for .5" T-bolt
Spindle to Base, maximum	43.375" (1102mm)
DRILL PRESS Style B	
Column bracket to center of spindle	9.25" (235mm)
Column to center of spindle	10" (254mm)
Spindle to table, max. distance	25.437" (646mm)
Column length	43" (1092mm)
Min. center to center distance	20" (508mm)
Motor ... NEMA Frame Sizes	182 and 184
Shipping weights, approximate, with motors	
Drill press Style A	630 lbs. (286kg)
Drill press Style B	390 lbs. (177kg)

FLOOR MODELS FURNISHED with: No. 3MT spindle; table elevating mechanism; switch; belt guard; spindle guard. Motors and switches are installed and wired, ready to connect to power.

Design and specifications are subject to change without notice.

Optional Electrical Equipment*

For Factory Installation Only

NOTE: Magnetic starters protect motor against overload, low and no voltage-Thermal Overload Unit NOT required.

For Single Speed Motor No. 2371 MAGNETIC STARTER.*

Protects motor against overload, low and no voltage. Motor will not automatically restart when power is restored. Transformer provides 110v at start/stop push button. 6 lbs.

No. 2371-15 MAGNETIC STARTER for 3-phase. Includes disconnect switch and 110 volt push-buttons.

No. 2377 REVERSING DRUM SWITCH for 1 & 3-phase.* Protects motor against overload, low and no voltage. Motor will not automatically restart when power is restored. Transformer provides 110v at start/stop push button switch. 6 lbs.

For 2-Speed Motor

No. 2375 MAGNETIC STARTER and REVERSING DRUM SWITCH, with reverse on low speed. * Protects motor against overload, low and no voltage. Motor will not automatically restart when power is restored. Transformer provides 110v at start/stop push button switch. 6 lbs.

*Controls for field installation, and for single phase ... price on application.

Overall Dimensions	Width	Depth	Height
Drill press Style A	22" (559mm)	36" (914mm)	69" (1753mm)
Drill Press Style B	20" (508mm)	3.25" (870mm)	51.625" (1311mm)

Infinitely Variable Speed Countershaft Drive

MODEL SELECTION CHART	Style A	Style B
Motor Furnished	Floor Drill 22" x 19" Table	Head & Column Assembly
Two Speed Infinitely Variable Speeds: 150-2000 rpm 1-1/2 - 3/4 Hp		
2-speed, 3-phase, 220v*	2276	2286-300
2-speed, 3-phase, 440v*	2277	2287-300
Infinitely Variable Speeds: 200-1300 rpm 1-1/2 Hp		
1 1/2 Hp, 3-ph, 1140 rpm	2275	2285-300
Infinitely Variable Speeds: 300-2000 rpm 1-1/2 Hp		
1 1/2 Hp, 1-ph, 1725 rpm	2272	2282-300
1 1/2 Hp, 3-ph, 1725 rpm	2274	2284-300

*Motor, 1 1/2-3/4 hp 1800/900 rpm, 60hz. SPECIFY VOLTAGE... When voltage is not specified, motor will be wired on lower voltage. Motors are ball bearing. 3-phase single speed motors are 208/220/440v, 60hz. Single-phase motors are capacitor-start, 115/230v, 60hz.

**Head and Column Models Furnished with: No. 3MT spindle, head elevating mechanism, column, mounting flange, switch and belt guard. Motor and switches are installed and wired, ready to connect to power.



****Style B
Head & Column
Assembly,
43" (1092mm)
Column Standard**