Clausing

DRILL PRESSES PRODUCT CATALOG
www.clausing-industrial.com | (269) 345-7155





DRILL PRESSES

- Electronic Variable Speeds 50-2,000 RPM
- CNC Power Feed EVS Speeds 50-2,000 RPM

MADE IN THE USA
Clausing Industrial, Inc.

20" FLOOR DRILL PRESSES

FLOOR DRILL PRESSES

Features

- Heavy-Duty Precision Head. All bearing surfaces are precision bored simultaneously for exact alignment. Eight ball bearings support the drive and spindle. The lower spindle bearing has a double row to handle both radial and thrust loads.
- Precision Ground 22" x 19.5" oil trough table handles large parts and fixtures.
- 66" tall x 4" column with 1/2" wall for greater rigidity.
- ½" cored T-slots on 9" centers for table and base.
- 3MT taper spindle, with 6-1/2" travel, 2-1/2" diameter quill and micrometer depth stop.
- SK-208 Top Mesh belt guard.

ELECTRONIC VARIABLE SPEED DRIVE FLOOR DRILL

Turn the dial left or right to select the best RPM for the tool and material while the job is running. An LED display shows the spindle speed, and an emergency stop button provides added operator control.

- Speeds 50 to 2,000 RPM for drilling large and small holes, spot-face, counterboring, and reaming.
- A flip of the switch changes from forward to reverse spindle direction, perfect for production tapping applications.
- Low-voltage power protection with reset.

EVS Drive Models

MODEL SELECTION CHART FLOOR DRILL EVS	
Speeds: 50-2,000 RPM | 1-1/2 HP	
Input Power	EVS Floor Drill Model with 22" x 19.5" Table
115 V/1-phase	2272EVS1-110
220 V/1-phase	2272EVS1-220
230 V/3-phase	2274EVS3-230
460 V/3-phase	2274EVS3-460





EVS Floor Drill
22" x 19.5" (559 x 495 mm) Table, 66" (1,676 mm) column standard and 1/2" cored T-slots on 9" centers for table and base.

CNC ELECTRONIC VARIABLE SPEED DRIVE

Program spindle speed and feed rate using G-code to optimize the tool and material.

- 3.5" color LCD display.
- Subset of standard G-Codes and M-Codes.
- Speeds from 50 to 2,000 RPM for drilling large and small holes, spot-facing, counterboring, and reaming.
- A flip of the switch changes from forward to reverse spindle direction, perfect for production tapping applications. Programmable tapping is also available using a spring tap driver holder.
- Low-voltage power protection with reset.
- 32-bit CPU with 128 mb RAM.
- Maximum program length: 799 lines.
- Stores up to 99 programs.
- USB port for importing NC programs.
- Maximum feed speed: 250 in/min.
- Built-in MPG (manual pulse generator) wheel.
- Analog spindle output: 0-10 VDC.
- No battery backup required.

CNC Drive Models

MODEL SELECTION CHART FLOOR DRILL CNC	
Speeds: 50-2,000 RPM | 1-1/2 HP	
Input Power	CNC Floor Drill Model with 22" x 19.5" Table
115 V/1-phase	2272CNC1-110
220 V/1-phase	2272CNC1-220
230 V/3-phase	2274CNC3-230
460 V/3-phase	2274CNC3-460





CNC Floor Drill
22" x 19.5" (559 x 495 mm) Table, 66" (1,676 mm) column standard and 1/2" cored T-slots on 9" centers for table and base.

HEAD AND COLUMN DRILL PRESSES

This configuration is supplied without a base or table, allowing the user to mount the head assembly on a suitable table or working surface.

Features

- Heavy-Duty Precision Head. All bearing surfaces are precision bored simultaneously for exact alignment. Eight ball bearings support the drive and spindle. The lower spindle bearing has a double row to handle both radial and thrust loads.
- 43" long column with a 4" diameter and 1/2" wall thickness for greater rigidity. Overall assembly height is 51.63".
- Mounting flange for table mounting.
- Head elevation mechanism.
- 3MT taper spindle, with 6-1/2" travel, 2-1/2" diameter quill and micrometer depth stop.
- SK-208 Top Mesh belt guard.

EVS and CNC Head & Column Models

MODEL SELECTION CHART HEAD AND COLUMN EVS AND CNC		
Speeds: 50-2,000 RPM | 1-1/2 HP		
Input Power	EVS Head & Column Assembly Model	CNC Head & Column Assembly Model
115V/1-phase	2272EVS1-110-300	2272CNC1-110-300
220V/1-phase	2272EVS1-220-300	2272CNC1-220-300
230V/3-phase	2274EVS3-230-300	2274CNC3-230-300
460V/3-phase	2274EVS3-460-300	2274CNC3-460-300

EVS and CNC Head Only Models

MODEL SELECTION CHART HEAD ONLY EVS AND CNC		
Speeds: 50-2,000 RPM | 1-1/2 HP		
Input Power	EVS Head Only Assembly Model	CNC Head Only Assembly Model
115V/1-phase	2272EVS1-110-HD	2272CNC1-110-HD
220V/1-phase	2272EVS1-220-HD	2272CNC1-220-HD
230V/3-phase	2274EVS3-230-HD	2274CNC3-230-HD
460V/3-phase	2274EVS3-460-HD	2274CNC3-460-HD



Head Only Assembly
43" (1,092 mm) Column
Standard



Head & Column Assembly with Base
(1) 2274EVS3-230-300 Head & Column Assembly and 20-200 22" x 25" (559 x 635 mm) Production Base

	FLOOR DRILLS		HEAD AND COLUMN DRILLS	
	EVS	CNC	EVS	CNC
Capacity Manual Hand Feed	1.25" dia.			
Capacity Power Feed	–	1" in Cast Iron	–	1" in Cast Iron
	–	3/4" Mild Steel	–	3/4" Mild Steel
Swing	20"			
Spindle Nose	3MT			
Spindle Travel	6.5"			
Column	4" Diameter Ground Steel, 1/2" Thick Wall			
Quill (ground steel)	2.5" Diameter			
Quill Return Spring Cap.	40 lbs.	–	40 lbs.	–
Adj Table Working Surface	22" x 19.5"		-	
Adj Table T-Slots	Two - 15.5" long for 1/2" t-bolt on 9" centers		-	
Table Travel (one setting)	20"		-	
Spindle to Adj Table Max.	33.125"		-	
Base Working Surface	15.5" x 13"		-	
Base T-Slots	Two - 13" long for 1/2" t-bolt on 9" centers		-	
Spindle to Base Max.	43.375"		-	
Column Bracket to Spdl Ctr	-		9.25"	
Column to Center of Spdl	10"		10"	
Spindle to Stationary Table Max.	-		25.43"	
Column Length (standard)	66"		43"	
Motor NEMA Frame Size	182 and 184			
Shipping Weight (approx)	650 lbs.	675 lbs.	410 lbs.	435 lbs.
Net Weight	620 lbs.	645 lbs.	380 lbs.	405 lbs.
Shipping Dimensions L x W x H	32" x 40" x 72"	40" x 40" x 72"	30" x 38" x 55"	38" x 38" x 55"
Drill Dimensions L x W x H	28" x 36" x 69"	36" x 36" x 69"	20" x 32.5" x 51.63"	20" x 32.5" x 51.63"

All specifications subject to change without notice or obligation.





20" MULTIPLE SPINDLE DRILL PRESSES

Clausing multiple spindle drills can be custom built with up to four 20" heads. When ordering a multiple spindle drill press use the table model number below, plus the appropriate head and column assemblies for the corresponding number of heads.

Combine up to four drill heads to suit your requirements. Example: If you wish to have a 3-spindle drill press with three 20" heads, you would order (1) 20-503 table assembly and (3) 2274EVS3-230-300 head assemblies. Tell us the order to mount the heads and you have the 3-spindle drill you require. If you have a special request, contact us for a quotation. Special orders are priced on application.

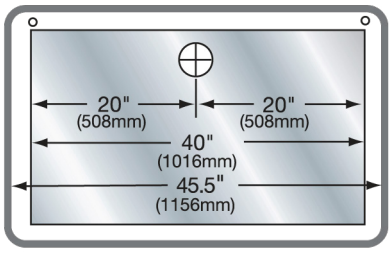


Head & Column Assembly with Table
(4) 2274EVS3-230-300 Head & Column Assembly and 20-504 85.5" x 25.5" (2,172 x 648 mm) Table with Legs



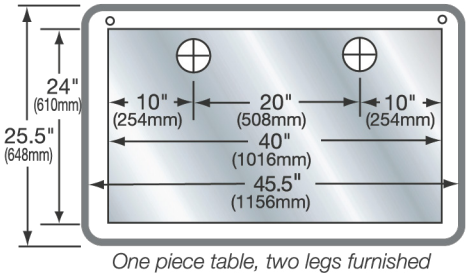
Head & Column Assembly with Table
(1) 2274EVS3-230-300 Head & Column Assembly and 20-501 45.5" x 25.5" (1,156 mm x 648 mm) Table Assembly

20-501 • 1-Spindle

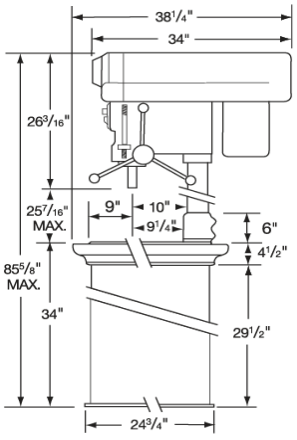


One piece table, two legs furnished

20-502 • 2-Spindle

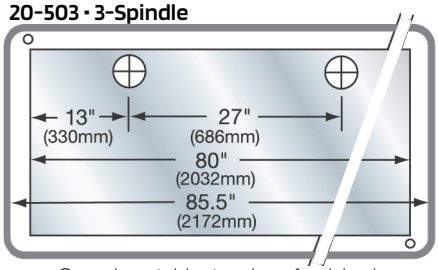


One piece table, two legs furnished



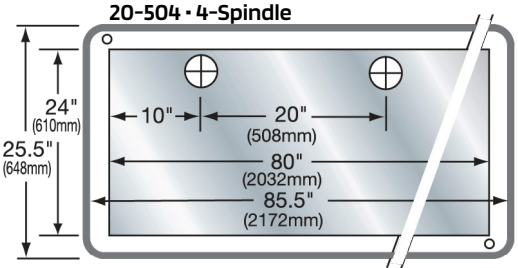
Note: EVS and CNC heads use more space. Check with the factory for spacing requirements. Example: 4 CNC heads will not fit on a 4-spindle table.

20-503 • 3-Spindle



One piece table, two legs furnished

20-504 • 4-Spindle



One piece table, two legs furnished

Standard Accessories

DRILL GUARD

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



MESH GUARD

No. SK-208
Top Mesh
Belt Guard for moving belt protection



Optional Accessories

COOLANT SYSTEM



Part No.	Description
7044	Coolant System: 5 gallon capacity, 110 volt, 60 cycle 1-phase motor, for single spindle drills. Flexible nozzle with regulator valve, plastic hose, clamps, fittings, cord and plug. 18 lbs.
7044-2	Coolant System: For two (2) spindle drills. 5 gallon capacity, 110 volt, 60 cycle 1-phase motor. Complete with all valves, hose, fittings, cord and plug.
7044-3	Coolant System: For three (3) spindle drills. Like No. 7044-2 except arranged for 3 spindles.
7044-4	Coolant System: For four (4) spindle drills. Like No. 7044-3 except arranged for 4 spindles.

DRILL PRESS LAMP



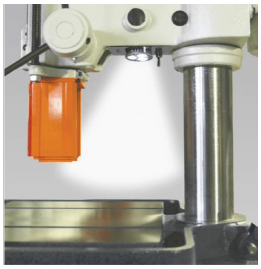
Part No.	Description
7022	Cool burn-proof shade, aluminium reflector, switch, 18" (457 mm) flexible arm, magnetic base, 6' (1.8 m) cord and plug.

COLUMN OPTIONS

Part No.	Description
2294AMT	66" (1,676 mm) Column in lieu of 43" (1,092 mm) Column. Weight: 78 lbs. (35 kg)
2349AMT	90" (2,286 mm) Column in lieu of 66" (1,676 mm) Column. Weight: 107 lbs. (49 kg)

DRILL PRESS LED LIGHT

Part No.	Description
20-LED	The new Clausing 120 V LED work light mounts in the slot under the drill head behind the spindle. The three ultra-bright LED lights provide ample lighting over the entire work area.



DRILL CHUCK AND ARBOR





Part No.	Description
1897	Key-Type Chuck: Takes 3/16" (4.8 mm) to 3/4" (19 mm) Drills. Adapts to 3MT Spindle with No. 1898 arbor. 4 lbs. (1.8 kg)
1898	Arbor: Adapts No. 1897 to 3MT Spindle. 1 lb. (0.5 kg)

ELECTRONIC DRO

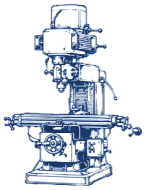
Part No.	Description
20-900	Easy-to-read LCD display, Data output port, 0"–6" measuring range, 0.005" (0.127 mm) resolution, 59 in./sec. measuring speed



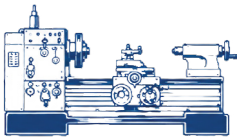
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Committed to Excellence Since 1911

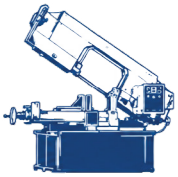
Delivering precision machine tools, dependable support, and trusted solutions for manufacturers for over a century.



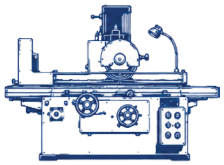
Mills



Lathes



Saws



Grinders



Drills

Need More Information?

CONTACT US

Scan to contact our team for product information, dealer support, and inquiries.

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10-2026 Edition