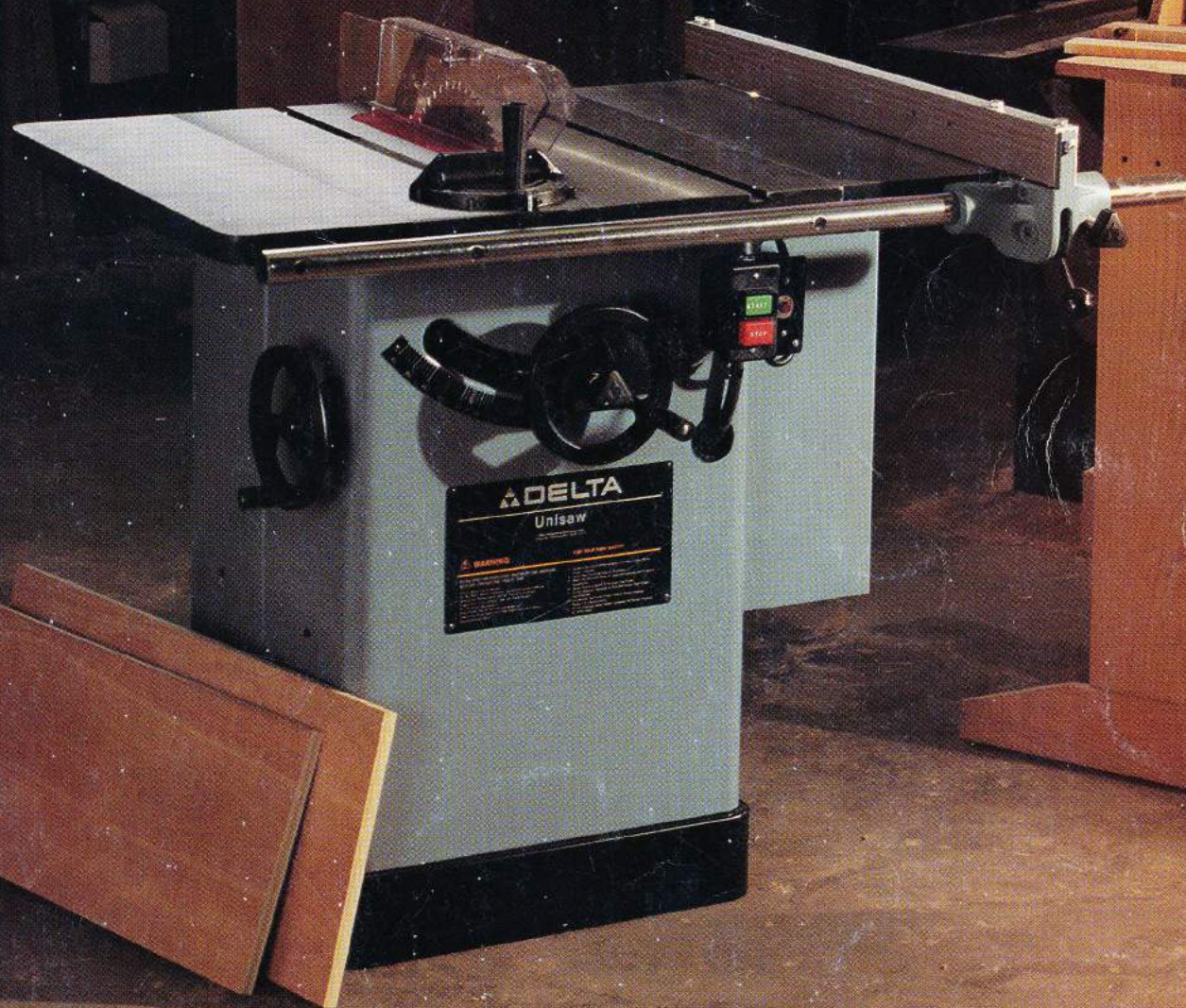


DELTA INDUSTRIAL MACHINERY



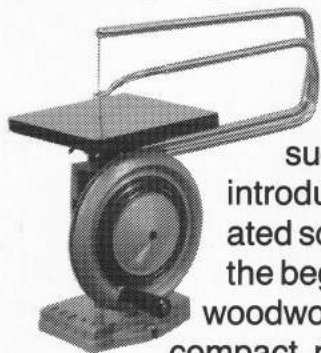
Plaza Machinery Co.

Back River Rd., P.O. Box 14
Bethel, Vermont 05032
(802) 234-9673

 **DELTA**

The Delta Story.

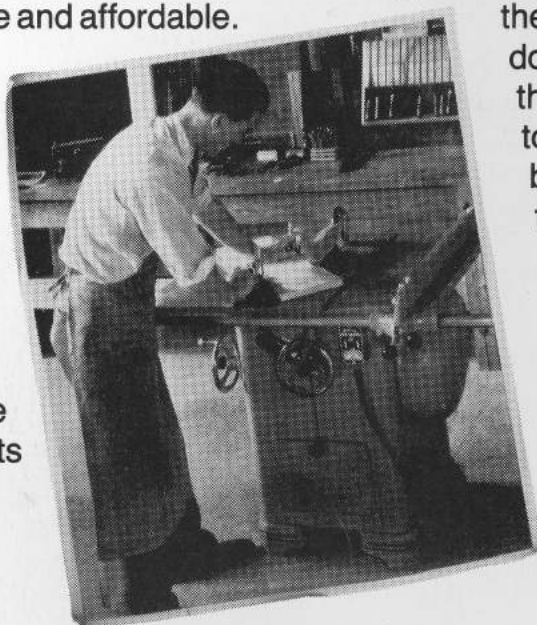
1919. In Milwaukee, Wisconsin, the Delta Specialty Company was born in a one-car garage.



Only four years later, in 1923, the company enjoyed its first major success. It came with the introduction of a hand-operated scroll saw and marked the beginning of innovative woodworking tools that were compact, reliable and affordable.

In the years that followed, craftsmen and builders responded to Delta's continued innovation and quality by buying thousands of Delta tools.

Then, in 1937, Delta introduced the Unisaw® 10" tilting arbor saw — the first multi-purpose saw of its kind. Even to this day, the Delta Unisaw still sets the standard for general purpose table saws.



**Building
On Tradition**
DELTA
A Pentair Company

The tradition of developing and manufacturing fine woodworking machinery assumed a new name in 1945 as Delta became Rockwell Power Tools. We continued as Rockwell until 1984, when we were acquired by Pentair and became Delta once again.



Today, Delta remains

the premiere domestic manufacturer of the most complete line of tools for industry, the building and construction trades, schools and home workshops.

There have been a lot of changes since we started in a one-car garage in Milwaukee. But one thing hasn't changed. We still offer the best, most reliable tools at affordable prices... just like we did in 1919.

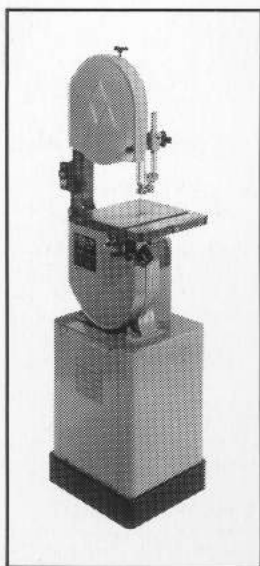


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Association Memberships

Delta is proud to be a member of the following trade associations. This gives us an opportunity to exchange ideas and viewpoints on new techniques, processes and developments in many industries. As today's manufacturing methods and concepts change, Delta will continue to design and develop new equipment to meet those changes.

PROFIT THROUGH AMERICAN TECHNOLOGY
 **WOOD MACHINERY MANUFACTURERS OF AMERICA**

ASSOCIATION OF WESTERN FURNITURE SUPPLIERS


ASMMA


STAFDA


INDUSTRIAL DISTRIBUTORS


Note to NIDA-SIDA members:

This edition of the Delta Catalog lists numbers that are compatible with the National Industrial Distributors Association standard numbering system as suggested by your Modern Methods Committee. It meets EDP requirements.

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Delta Assurance of Satisfaction

Your assurance of satisfaction of Delta Machinery is the integrity of your Delta Distributor and Delta's long-standing reputation for quality. See page S4 for our express warranty on Delta Industrial Machinery.

Delta Patents

Delta Industrial Machines are manufactured and sold under the following patents either owned by Delta or under which Delta is licensed. Other U.S. and foreign patents are pending:

D-266,766; D-267,720; D-268,762; D-268,932; 310,375; 573,257; 1,830,813; 3,491,422; 3,581,784; 3,604,482; 3,686,524; 3,702,740; 3,718,168; 3,718,405; 3,754,493; 3,761,794; 3,762,231; 3,762,830; 3,770,331; 3,786,998; 3,816,677; 3,821,918; 3,877,500; 3,884,094; 3,917,967; 4,018,256; 4,150,598; 4,174,100; 4,212,214; 4,248,115; 4,308,777; 4,436,126; 4,450,397; 4,452,117; 4,600,184; 4,619,171; 4,681,006; 4,694,720; 4,694,721; 4,711,032; 4,714,100; 4,212,214; 4,934,422; 4,961,269.
 Canada: 46964; 46965; 46966; 46967; 52665; 52666; 460,271; 1089764; 1,032,208; 1,082,080; 1,105,810; 1,132,442; 1,193,945; 870,396; 879,486; 881,316; 885,251; 967,399. South Africa: 78/6506; 79/1293; 83/1624.
 Brazil: MI 3900356; MI 3900357; MI 3900360; PI 7901827. Germany: 1,808,138.

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

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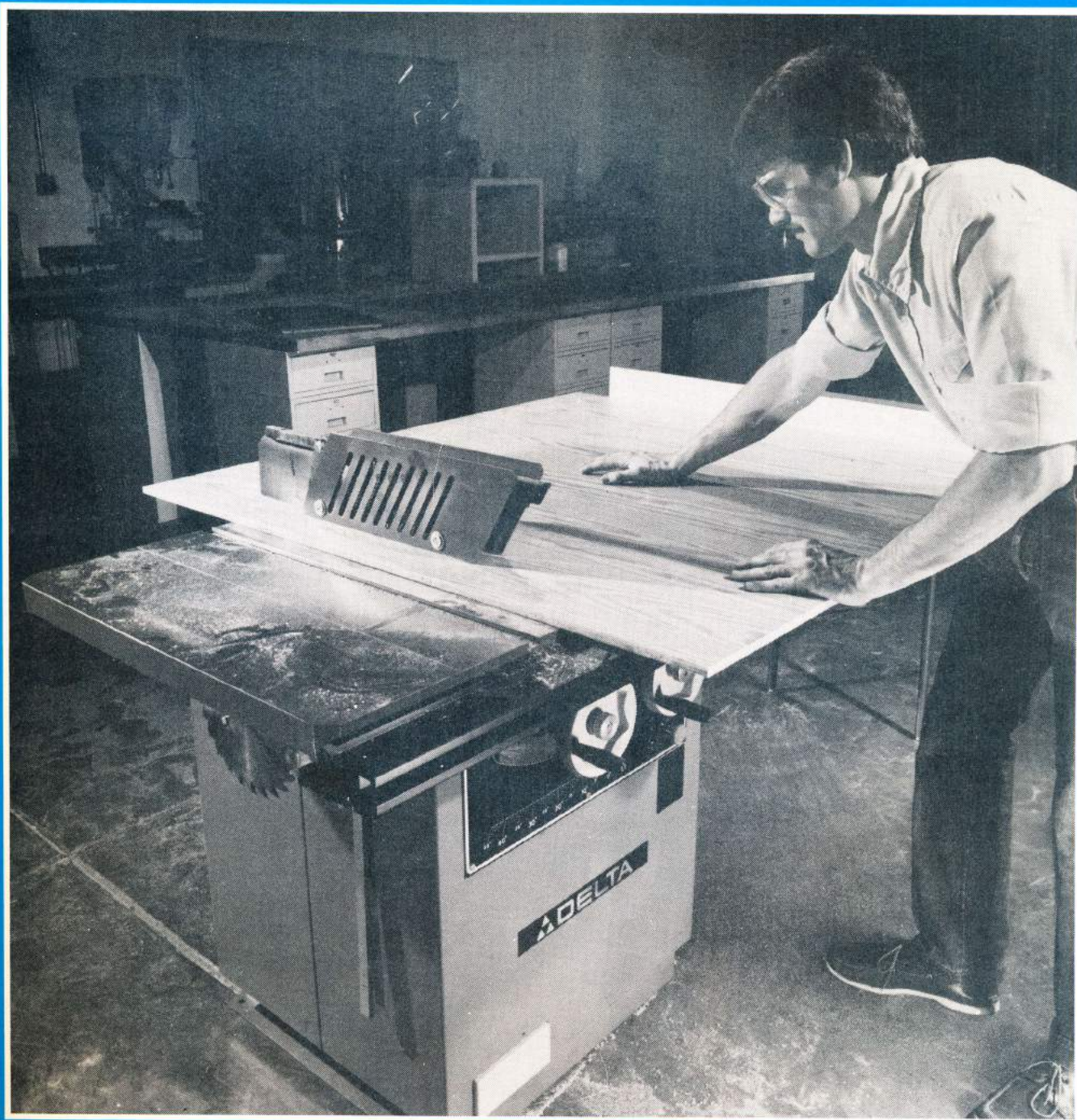
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Delta Circular Saws

No matter which Delta circular saw you select—the big DE-40 3.2 Meter Panel/Scoring Saw, the world famous 10" Tilting Arbor UNISAW®, or the popular 10" Contractor's™ Saw—you get precision accuracy with big capacity and maximum convenience. This is because Delta has engineered dozens of quality features into every one of their saws. Furthermore, you can select from a wide range of accessories for even greater job performance.

When you need a saw, ask for a Delta. It's backed by an old reputation for quality and service!



Delta DE-40 3.2 Meter Panel/Scoring Saw

Accuracy and Capacity United

Every inch of the DE-40 is designed to maintain a high degree of accuracy-no matter how big the job.

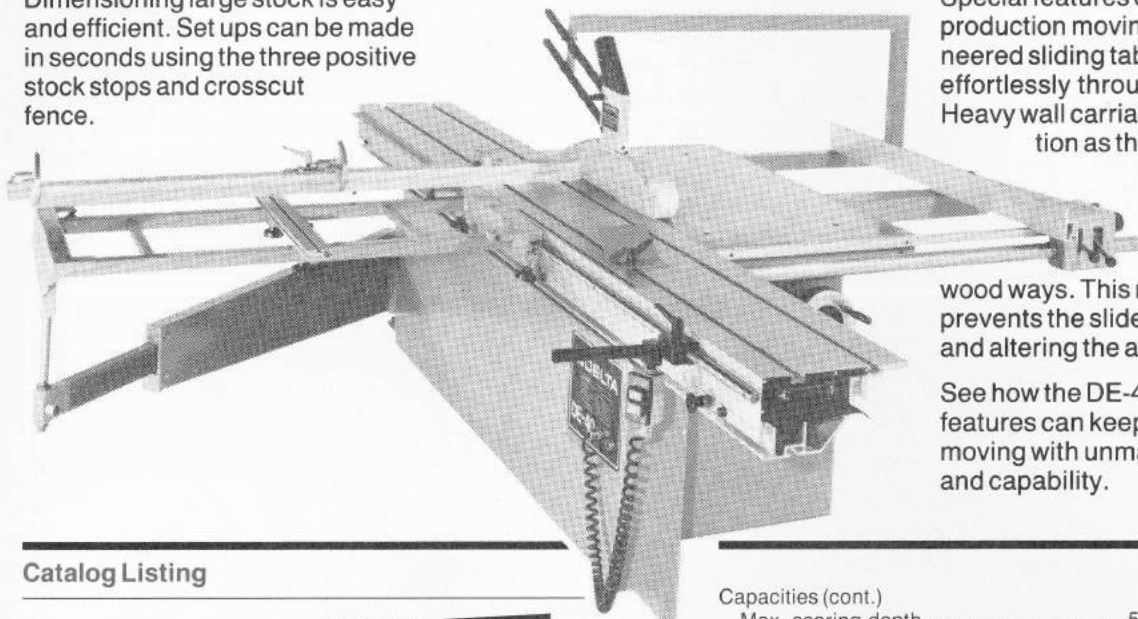
Dimensioning large stock is easy and efficient. Set ups can be made in seconds using the three positive stock stops and crosscut fence.

The 9 HP motor and 3/4 HP adjustable scoring unit provide top cutting performance in chipboard, surface-finished veneer, core panels coated

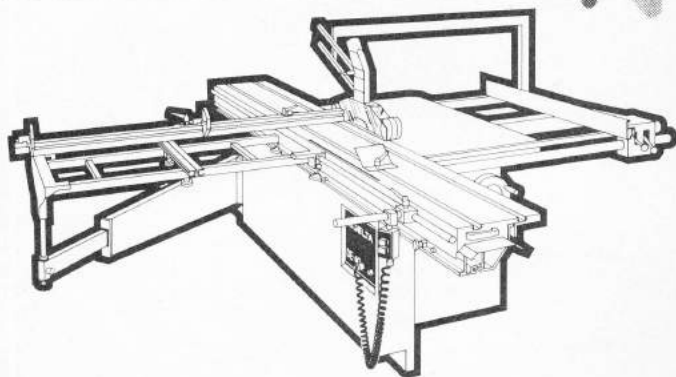
with synthetics or aluminum, plastic sheets, plexiglass, PVC and wood of all types and hardness up to 5" thick.

Special features of the DE-40 keep production moving. Precision-engineered sliding table assembly glides effortlessly through the 120" stroke. Heavy wall carriages prevent deflection as the table moves. Two aluminum trolleys ride along sloped surfaces of the laminated wood ways. This minimal contact prevents the slideways from wearing and altering the accuracy of the unit.

See how the DE-40's special features can keep production moving with unmatched accuracy and capability.



Catalog Listing



No. 34-920 DE-40 3.2 Meter Panel/Scoring Saw with 120" Stroke. Includes 9 HP 3Ø 230/460V two belt drive, 60 Hz. main motor with magnetic starter, 3/4 HP 3Ø 230/460V scoring motor, blade guard, splitter, micro-adjustable rip fence, two position crosscut fence, miter fence, three positive stock stops, dado insert, 126" x 15 1/4" sliding table, articulating arm support, 27 1/4" x 51" fixed table, work clamp and tool set.

Machine Data

Motor (TEFC) Main	9 HP 230/460V, 60 Hz., Three Phase
Motor (TEFC) Scoring	3/4 HP 230/460V, 60 Hz., Three Phase
Diameter of Arbor	
Main	1" (25.4 mm)
Scoring	22.0 mm
Diameter of Main Saw Blade	
Minimum	12" (304.8mm)
Standard	14" (355.6mm)
Maximum	16" (406.4mm)
Diameter of Scoring Blade	
Minimum	5" (127.0mm)
Standard	5 1/2" (139.7mm)
Maximum	6" (152.4mm)
Capacities:	
Max. depth of cut at 90°	14" blade - 4" (101.6mm) 16" blade - 5" (122.0mm)
Max. depth of cut at 45°	14" blade - 2 3/8" (60.3mm) 16" blade - 3 1/2" (88.9mm)

Capacities (cont.)

Max. scoring depth	5 1/2" blade - 3/8" (9.5 mm) 6" blade - 5/8" (15.9 mm)
Max. dia. and width of dado	8" x 13/16" (203.2 x 20.64 mm)
Max. clearance right of blade (w/o rip fence)	52 1/2" (1333.5mm)
Max. rip right of blade (w/rip fence)	Horizontal - 43 3/4" (1111.25mm) Vertical - 47" (1193.8mm)
Max. length of cut (cross cut fence in rear position)	
Main	120" (3048.0mm)
Scoring	126" (3200.4mm)
Max. length of cut (cross cut fence in forward position)	
Main	99" (2514.6mm)
Scoring	108" (2667.0mm)
Distance, front of sliding table to blade	108" (2667.0mm)
front of sliding table to scoring blade	122" (3093.8mm)
Distance, front of fixed table to blade	23" (584.2mm)
front of fixed table to scoring blade	15" (381.0mm)

Table:

Height from floor	35" (889.0mm)
Fixed Table Size	27 1/2" x 51" (698.5 x 1295.4mm)
Sliding Table Size	126" x 15 1/4" (3200.4 x 387.35mm)
Sliding Table Extension Size	53" x 25" (1346.2 x 635.0mm)
Sliding Table Stroke	130" (3302.0mm)
Max. Crosscut Stop Setting	115" (2921.0mm)
Sliding Table Extension Repositioning	120" (3048.0mm)

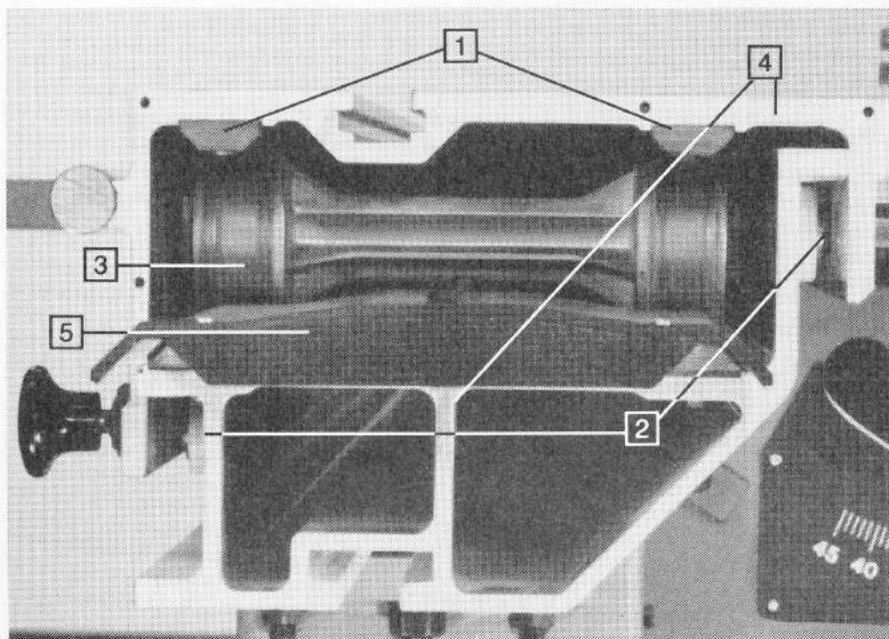
Speeds:

Main	3000, 4500, 6000 rpm
Scoring	8000 rpm
Chip Exhaust Opening	5" dia. (127.0mm)
Dust Exhaust Opening	3" dia. (76.2mm)
Dust Collection Capability	see Page 02

Overall Dimensions:

Height	60" (1524.0mm)
Width (with extension arm)	130" (3302.0mm)
Depth (including total sliding table travel)	261" (6629.4mm)
Net Weight	2002 lbs.

Quality Features



1. Laminated wood ways are impregnated with a patented Rexilon polymer sealant to maintain the accurate movement of the sliding table. Slideways are glued and riveted into specially milled slots so that their position will remain true even after years of operation.

2. Eight nylon support bearings provide smooth sliding action that sustains accuracy at the table.

3. Aluminum trolleys have exact tangent contact on wood ways for virtually no wear/no friction operation.

4. Upper and lower carriages are heavy wall constructed aluminum for strength and rigidity. Surfaces are hard-anodized for a mirror finish that won't mar wood.

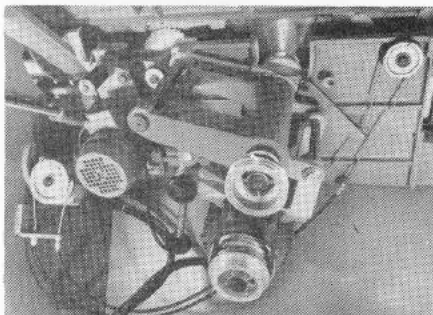
5. Nylon sweeper clears center of carriage track as the table moves.



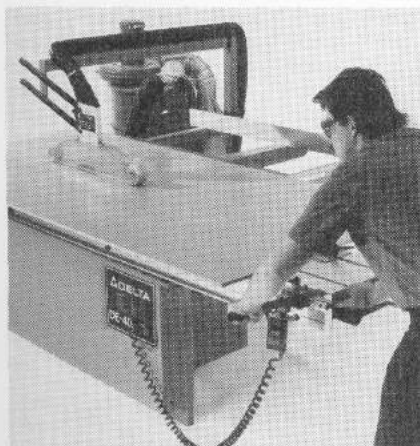
Sliding table provides a perfect straight finish edge without waste when used for ripping solid lumber.



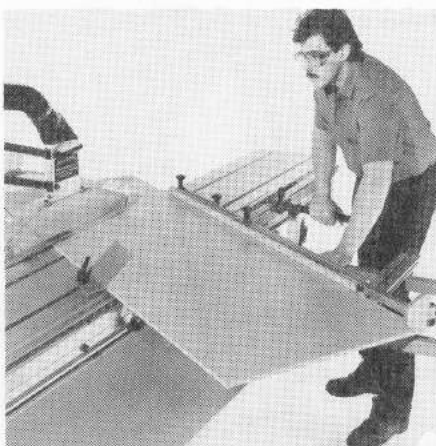
Exact square dimensioning of a panel is easy using width and length stops in conjunction with scale on the sizing fence. (Third independent stop not shown.)



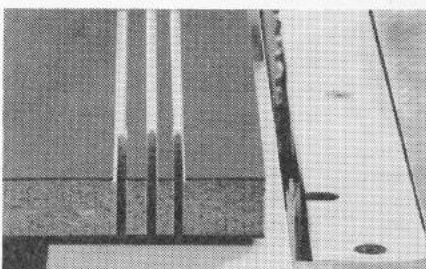
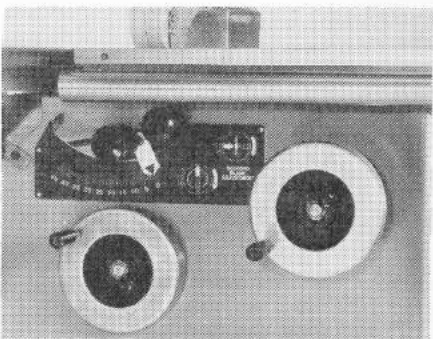
Main motor drive belts are positioned in front for easy access through utility door. Double V-belt drive system can be set for arbor speeds of 3000, 4500, and 6000 rpm for precision operation with different blade diameters. Tilting arbor moves from 90° to 45° with adjustable positive stops at both extremes. Steel cable elevating system resists wear common to gear-driven systems.



Extra large cutting capacity allows convenient breakdown of full panel. Telescoping arm is self-compensating for the weight of the material to maintain a solid plane to the blade.



Separate miter fence mounts in seconds — use prepared stops for 45° left or right angle cuts. Large scale for easy reading/setting angles with full 90° left and right in 1° increments.



Two wheel scoring adjustment allows compensation up/down and right/left to get perfect alignment with the saw cut and appropriate depth for the material type.

Delta RE-35 14" Sliding Table Panel/Scoring Saw

Performs every conventional sawing operation while offering easy, simplified cutting of large stock!

The Delta RE-35 is no ordinary panel/scoring saw. Not only will it handle conventional operations like ripping, crosscutting, beveling and mitering, but also dadoing as well.

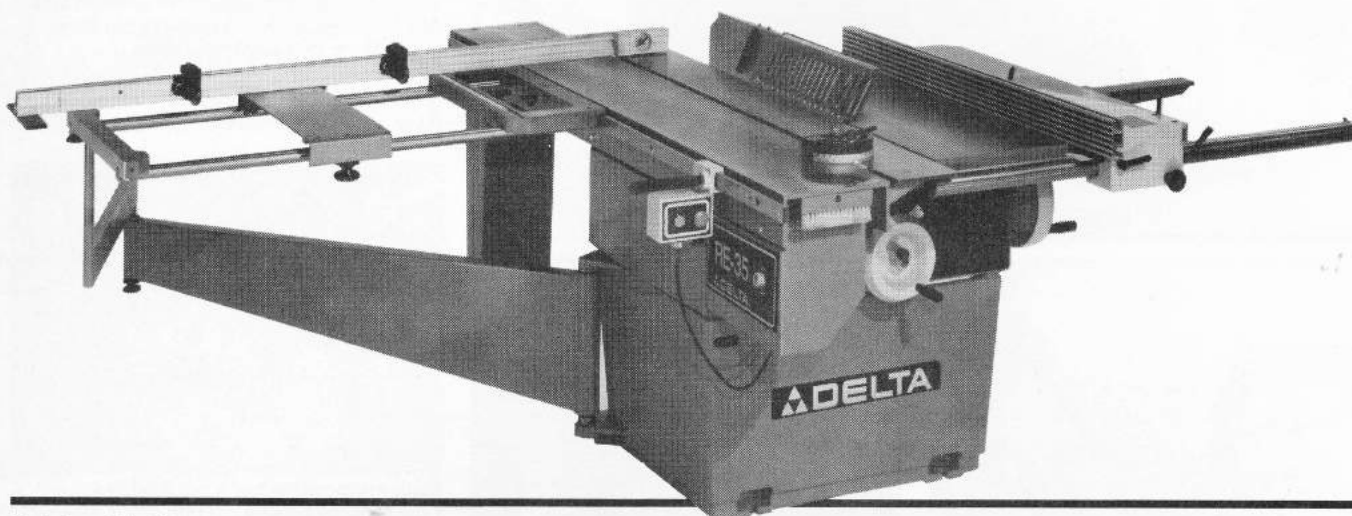
With its big 29 $\frac{3}{8}$ " x 43 $\frac{3}{8}$ " fixed table in combination with the 17 $\frac{3}{4}$ " x 78 $\frac{3}{4}$ " sliding table, large panel cutting becomes a simple operation.

Here are the high quality features that make it all possible: a rugged drive system, flexible control station, spacious fixed and sliding tables, twin arbor speeds, arbor locking mechanism, two-position rip fence, convenient blade controls, dadoing capability, versatile crosscut/

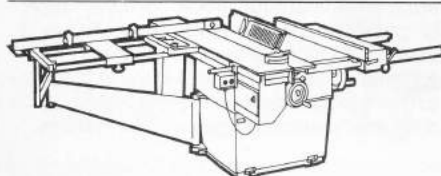
mitering fence, solid cast iron base and much more.

Using a 4" scoring blade with a 14" main blade, the RE-35 will give high quality performance on all types of materials: chipboard, surface finished veneer, core panels coated with synthetic material on one or both sides, acrylic sheets, PVC and wood of all types and thickness up to 4 $\frac{1}{2}$ " thick.

See this outstanding saw value today!



Catalog Listing



No. 34-794 14" Sliding Table Panel/Scoring Saw with 71 $\frac{1}{2}$ " table stroke. Includes scoring unit with $\frac{3}{4}$ HP, 200-220/440 V (specify voltage) three phase motor; 7 $\frac{1}{2}$ HP 200-220/440 V (specify voltage), 60 Hertz, 3 phase main motor with magnet starter, blade guard;

splitter; rip fence; extension cross cut fence; two stock stops; miter gauge; two arbor extensions, 1" diameter, for dadoing; one 1 $\frac{3}{4}$ " and two 4" diameter arbor flanges; 29 $\frac{3}{8}$ " x 43 $\frac{3}{8}$ " fixed table; 17 $\frac{3}{4}$ " x 78 $\frac{3}{4}$ " sliding table; articulating arm support and tool set.

Machine Data

Motor (TEFC), Main 7 $\frac{1}{2}$ HP, 200-220/440 V (specify voltage), 60 Hz, three phase

Motor (TEFC), Scoring $\frac{3}{4}$ HP, 200-220/440 V (specify voltage) 60 Hz, three phase

Diameter of Arbor:

Main 1" (25.4 mm)

Scoring $\frac{3}{4}$ " (19.05 mm)

Scoring (dado extension) 1" (25.4 mm)

Diameter of Main Saw Blade 14" (355.6 mm)

Diameter of Scoring Blade 4" (101.6 mm)

Capacities:

Maximum depth of cut at 90° 4 $\frac{1}{2}$ " (114.3 mm)

Maximum depth of cut at 45° 3 $\frac{1}{8}$ " (79.37 mm)

Maximum scoring depth $\frac{1}{4}$ " (6.1 mm)

Maximum width of dado cut $\frac{13}{16}$ " (20.64 mm)

Maximum rip to right of blade 51 $\frac{13}{16}$ " (1316.04mm)

Maximum length of cut with crosscut fence in front-most position:

Main blade 54" (1371.6 mm)

Scoring blade 50" (1270 mm)

Maximum length of cut with crosscut fence in rear position:

Main Blade 64" (1625.6 mm)

Scoring Blade 60" (1524 mm)

Distance, front of table to center of blade 27" (685.8 mm)

Table:

Height from floor 33 $\frac{1}{2}$ " (850.9 mm)

Fixed table size 29 $\frac{3}{8}$ " x 43 $\frac{3}{8}$ " (746.1 mm x 1101.7 mm)

Sliding table size 17 $\frac{3}{4}$ " x 78 $\frac{3}{4}$ " (450.8 mm x 2002.2 mm)

Sliding table extension size 24" x 47" (609.6 mm x 1193.8 mm)

Sliding table stroke 71 $\frac{1}{2}$ " (1816.1 mm)

Maximum crosscut stop setting 103" (2616.2 mm)

Speeds:

Main blade 3000, 4500 RPM

Scoring blade 9000 RPM

Chip Exhaust Opening 4" O.D. (101.6 mm)

Dust Collection Capability see Page O2

Overall Dimensions:

Height 41 $\frac{1}{4}$ " (1047.7 mm)

Width (fully extended) 116 $\frac{1}{2}$ " (2959.1 mm)

Depth 150 $\frac{3}{4}$ " (3829 mm)

Net Weight 1791 lbs. (494.9 Kg.)

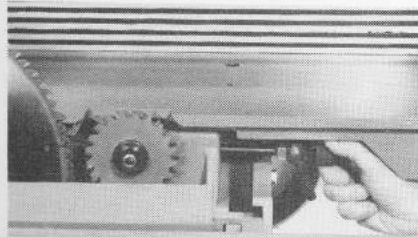
RE-35 Quality Features



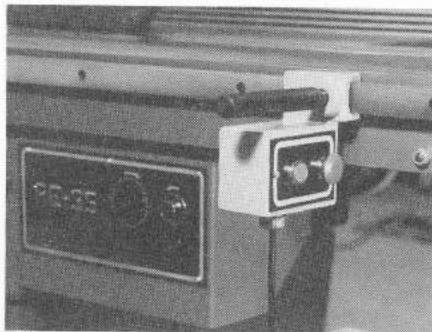
Dadoing Capability. Unlike most sliding table saws, the RE-35 is equipped with arbor extensions for the main and scoring arbors and for lateral adjustment of the sliding table. This makes possible dadoing operations, including scoring on both sides of the dado.



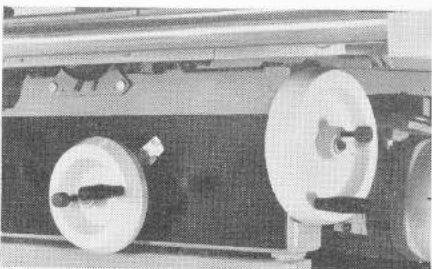
Rugged Drive System. Entire drive system is housed inside the massive cast iron base and is powered by a totally enclosed, fan-cooled 7½ HP motor. Double V-belt drive can be set for arbor speeds of 3000 or 4500 RPM. Motor plate, trunnions and arbor support bracket are constructed of cast iron for solid support and vibration-free operation. The heavy trunnions support a large, cast iron trunnion bracket, which carries the entire arbor assembly. Arbor runs on prelubricated, sealed ball bearings and raises to the correct height and angle of tilt by a rack and worm-screw operating mechanism. Special "0" clearance rear guide for arbor bracket helps maintain perfect saw alignment for accurate cutting. Saw is equipped with adjustable, positive stops at 90° and 45°.



Scoring Blade Adjustment. Lateral adjustment of scoring blade is easily accomplished from the front of the machine. Lever firmly locks blade at correct setting.



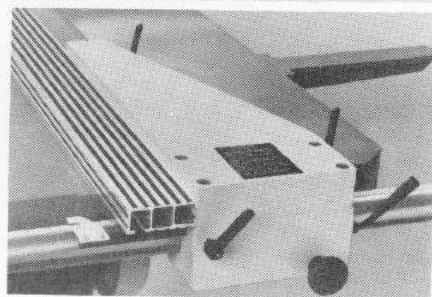
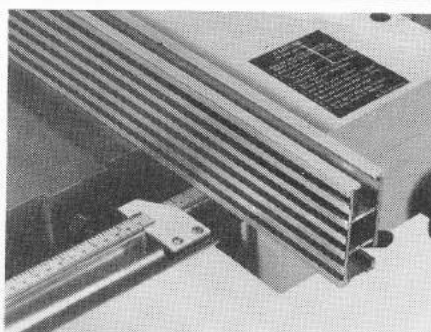
Flexible Control Station. On-off controls for machine are located on a movable mount which can be positioned anywhere along the sliding table to suit operator's working position. Control operates main blade and also scoring blade when scoring unit is chosen, using lighted indicator button on main saw panel.



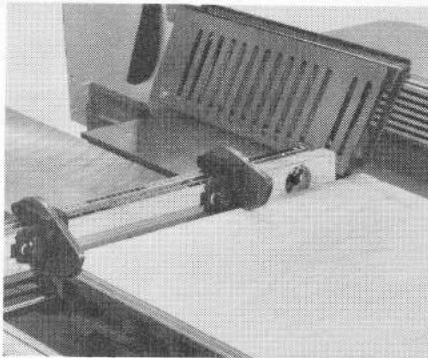
Precision Blade Adjustment. A large diameter handwheel operates the blade raising mechanism. Handwheel has a locking knob for securing blade at desired height and prohibiting blade movement during sawing operations. Blade tilt scale, located in close proximity to handwheel, shows blade angle from 0 to 45°. Each rotation of handwheel tilts blade a full 2°. Tilting mechanism is easily locked to maintain correct blade position.



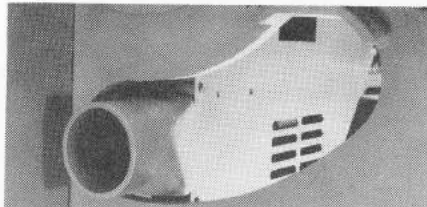
Arbor Locking Mechanism. The convenient arbor-locking button emerges close to the table surface when the blade is raised to its full upright position. When button is depressed, arbor locks in position for simple, safe blade changing using wrench supplied. Lock automatically retracts when button is released.



Two-Position Rip Fence. Extruded aluminum 1¼" x 3⅛" x 47⅜" rip fence can be set vertically or horizontally and slides on a steel guide bar. A setting scale, calibrated in inches and millimeters, is fastened on the guide rail for accurate fence positioning. Guide rail is equipped with a measuring cursor, providing good visibility in making correct fence adjustments. Cursor is adjustable to suit different blade thicknesses and fence positions. Fence and fence support are easily secured by locking levers and knobs.



Stock Stops. Unique stops rise easily when stock is pushed against them, then automatically fall back into position for final dimension cuts. Excellent for repetitive cutting operations, they can be positioned as close as 2" apart.



Large Diameter Chip Exhaust. Saw incorporates a 4" O.D. exhaust chute that moves with the saw arbor when blade is tilted, providing effective saw dust and chip removal. Chute may be easily attached to a central dust collection system.

Delta RT-40 14" Tilting Arbor Saw

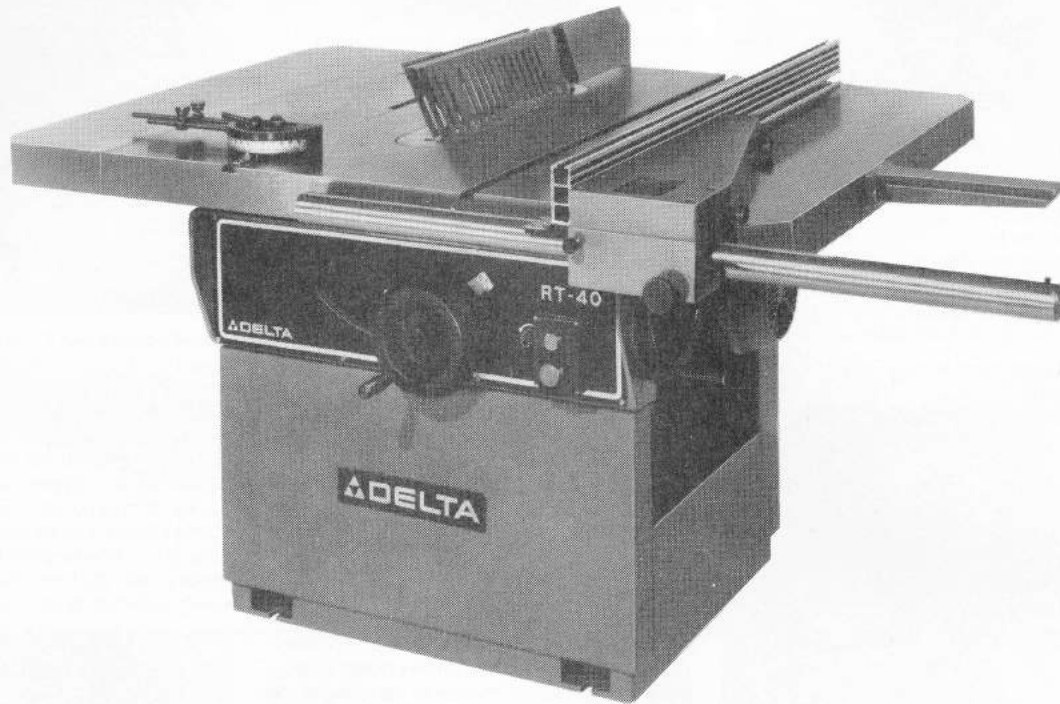
Powerful! Big capacity! Extra smooth cutting performance!

If your operation requires a saw that offers large capacity combined with precision accuracy, all on a production basis; then, investigate the RT-40 14" Tilting Arbor Saw.

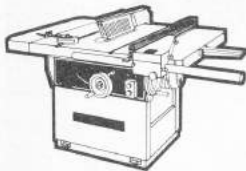
It's loaded with quality features to meet your most demanding requirements: 4½" depth of cut, 3⅛" at 45° (will also accommodate a 16" blade, providing a bigger 5½" depth of cut, 4⅛" at 45°)—a powerful 7½ HP 200-220/440 V motor with magnetic controls—twin V-belt drive with speeds of 3000 and 4500 RPM—extra large 43 x 59" table—

two-position rip fence that can be used vertically or horizontally—large blade positioning handwheels with lock knobs—arbor locking mechanism—built-in chip chute—plus heavy duty construction throughout.

See this great saw value today!



Catalog Listing



†No. 34-790 14" Tilting Arbor Saw. Includes 7½ HP, 200-220/440 V (wired 220 V), 60 Hertz, 3 phase motor with magnetic starter and automatic reset overload; blade guard; splitter; rip fence; guide bar; miter gage, 43 x 59" table with two extension wings and fence support extension.

No. 34-791 14" Tilting Arbor Saw. Same as above, except with 5 HP, 230 V, 60 Hertz, single phase motor with magnetic starter and automatic reset overload.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in order to obtain machine with factory mounted and wired "JIC" type electricals.

Machine Data

Motor (TEFC)	7½ HP, 200-220/440 V (Wired 220 V), 60 Hertz, 3 phase 5 HP, 230 V, 60 Hertz, 1 phase
Diameter of Arbor	1" (25.4 mm)
Diameter of Saw Blade	Up to 16" (400 mm)
Capacities:	
Maximum depth of cut (blade is not completely below table surface in fully lowered position—.4" with 14" blade, 1.4" 16" blade):	
With 14" blade	4½" (115 mm)
With 16" blade	5½" (140 mm)
Maximum rip to right of blade	51⅜" (1300.1 mm)
Maximum thickness of cut at 45°:	
With 14" blade	3⅛" (80 mm)
With 16" blade	4⅛" (105 mm)
Distance, front of table to center of blade	22⅜" (580 mm)
Table in front of 14" blade at maximum cut	17⅞" (435 mm)
Max. width of cut-off with 14" blade (1" stock)	30½" (774.7 mm)
Maximum width of dado cut	1⅜" (20.64 mm)

Table:	
Height	33⅞" (850 mm)
Size	39⅜ x 43¼" (1000 x 1100 mm)
Size, including two extensions	59 x 43.3" (1500 x 1100 mm)
T-slot miter gage groove on either side of saw blade	
Removable table insert with built-in levelling screws	
Cabinet Size	32¾" wide x 25¼" deep (831.85 x 654.05 mm)
Chip Exhaust Opening	4" O.D. (101.6mm)
Dust Collection Capability	see Page O2
Arbor Speed (two)	3000 and 4500 RPM
Dimensions:	
Height	41" (1041.4 mm)
Width	98" (2489.2 mm)
Depth	49½" (1257.3 mm)
Net Weight	1197 Lbs. (543 Kg.)

RT-40 Quality Features

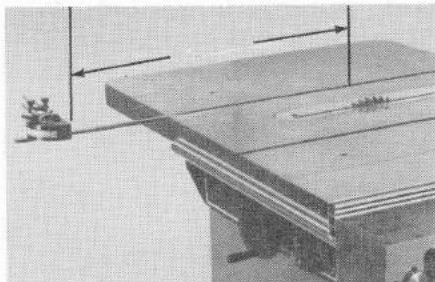
Big capacities plus ample power. With the RT-40 14" Saw, you get a 4½" depth of cut, 3⅛" at 45°. The machine also will accommodate a 16" blade, providing a big 5½" depth of cut, 4⅛" at 45°. The powerful 7½ HP motor will handle the hardest woods.



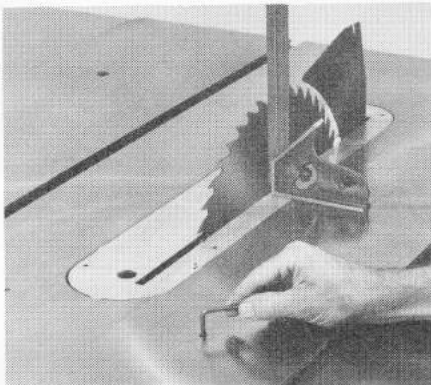
Rugged Drive System. Housed inside a heavy, fabricated steel cabinet, drive system is powered by a totally enclosed, fan-cooled 7½ HP motor. Double V-belt drive can be set for speeds of 3000 or 4500 RPM for best cutting performance. Motor plate, trunnions and arbor support bracket are constructed of cast iron for solid support and vibration-free operation at the saw arbor. Arbor runs on pre-lubricated, sealed ball bearings and raises to the correct height and angle by a rack and worm screw operating mechanism.



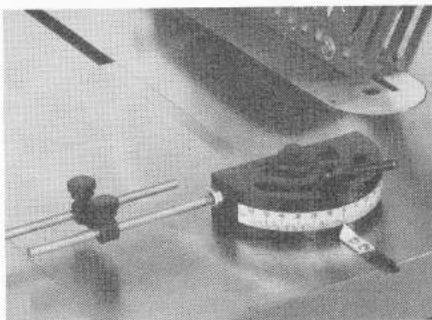
Arbor Locking Mechanism. Convenient arbor locking button emerges close to table surface when blade is raised to its full up-right position. When depressed, arbor locks in place for easy, safe blade changing. Lock automatically retracts when button is released.



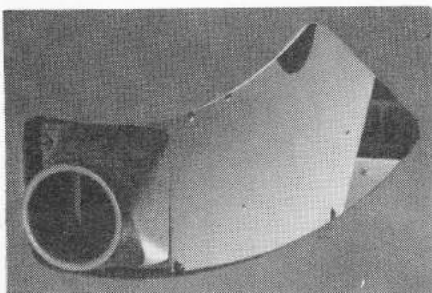
Big Front-of-Blade Capacity. T-slots on either side of saw blade hold miter gage securely, even beyond front of table. With miter gage fully extended, you get 30½" cut-off on 1" stock using a 14" saw blade.



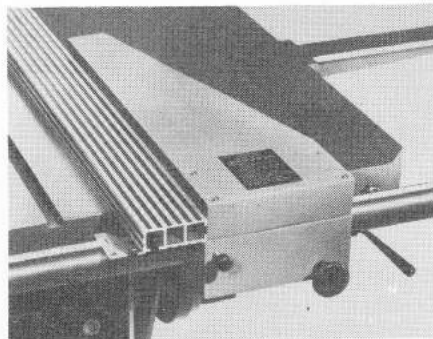
Adjustable, Positive Stops on Table. Saw blade stops, adjustable from the top of the table, assure perfect 90° and 45° settings.



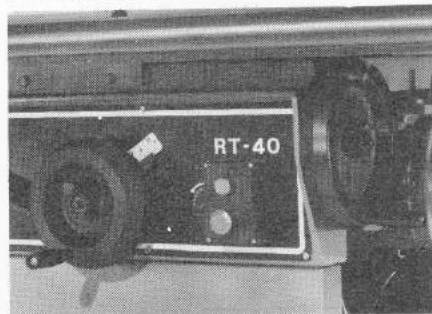
Accurate Miter Gage. For straight and angle cutting. Has a locking lever for securing miter gage at desired angle of cut. Gage can be adjusted from 90° to 30° with easy-to-read angle-of-cut scale calibrated in 1° increments. Furnished with adjustable stop rods.



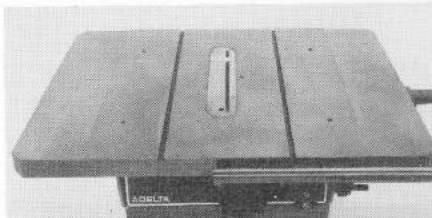
Efficient Chip Exhaust. Saw incorporates a 4" O.D. chip exhaust chute that moves with the saw arbor when blade is tilted for effective collection of sawdust and chips.



Two-Position Rip Fence. Extruded aluminum rip fence can be used vertically or horizontally, also can be positioned toward operator for ripping solid stock more safely. Fence assembly glides smoothly and with little effort on guide bar. Calibrated scale (in inches and millimeters) permits accurate fence positioning. Guide rail has a measuring indicator for good visibility in making correct fence adjustments. Fence and fence support are easily secured in position by locking levers and knobs.



Convenient Controls. All operating controls, including on-off switch, blade raising and tilting handwheels, are grouped "up-front" for easy operation. A large diameter handwheel operates blade raising mechanism. Lock knob on handwheels secures blade at desired height or angle.



Spacious Table. Massive, extra large table (including extension wings) is 43 x 59" in size, providing extra support for handling large stock. Table is heavily ribbed to prevent warping and distortion.

Delta RT-31 10" Scoring Saw

Especially suited for cutting problem materials while offering exceptional accuracy and versatility!

You'll be amazed at the RT-31's great capability. Using a scoring blade, it's capable of high performance on all types of materials:

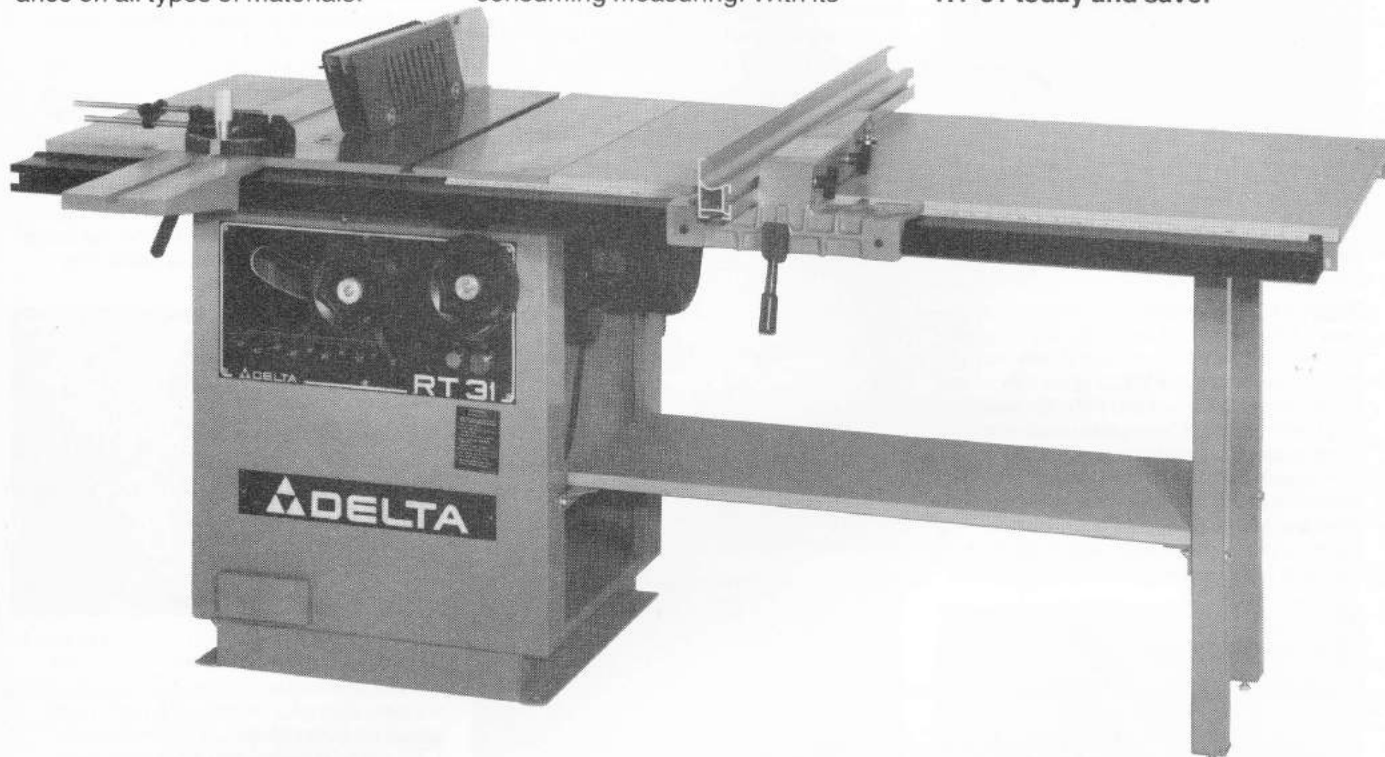
chipboard, surface finished veneer, core panels coated with synthetic material, plastic sheets, PVC and wood of all types.

Since it incorporates the unique Delta UNIFENCE™ Saw Guide, precision cutting to 1/64th of an inch is simple and easy. You can make accurate setups in seconds to keep production moving—reduce labor costs by eliminating time-consuming measuring. With its

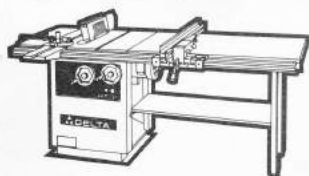
52 $\frac{7}{8}$ " rip capacity to the right of the blade, sizing of extra large panels becomes an easy operation.

But don't overlook the RT-31's many other fine features: its giant 83 $\frac{5}{8}$ " x 28 $\frac{1}{2}$ " table—efficient 3-belt drive system—close-coupled blade design—massive trunnions—ball bearing arbor assembly—up-front handwheels—and much more.

See the high-performance RT-31 today and save!



Catalog Listing



No. 34-889 10" Scoring Saw. Includes 3 HP, 230V, 60 Hertz, single phase motor with magnetic starter and automatic reset overload; blade guard; splitter; UNIFENCE™ saw guide; miter gage with stop rods; miter gage extension and 35 $\frac{1}{2}$ " x 28 $\frac{1}{2}$ " main table (including one extension wing). Less UNIFENCE table and shelf boards.

†No. 34-890 10" Scoring Saw. Same as above except with 5 HP, 200-220/440V (wired 220 V), 60 Hertz, 3 phase motor with magnetic starter and automatic reset overload.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to three phase cat. no., in order to obtain machine with factory mounted and wired "JIC" type electricals.

Machine Data

Motor (TEFC) 3 HP, 230 V, 60 Hz, single phase; 5 HP, 200-220/440 V (wired 220 V), 60 Hz, 3 phase

Diameter of Main Arbor . . . 20 mm sleeved to 1" (25.4 mm)

Diameter of Scoring Arbor . . 20 mm sleeved to 1" (25.4 mm)

Diameter of Main Saw Blade (when scoring blade not used) up to 12" (300 mm)

Diameter of Scoring Blade (uses 10" main blade when scoring) 4" (101.6 mm)

Capacities:

Max. depth of cut:
With 10" blade 3 $\frac{1}{8}$ " (80 mm)

With 12" blade (blade remains 1" above table in fully lowered position) 4 $\frac{1}{8}$ " (104.8 mm)

Max. rip to right of blade . . . 52 $\frac{7}{8}$ " (1343 mm)

Max. thickness of cut at 45°:
With 10" blade 2 $\frac{1}{8}$ " (55 mm)

With 12" blade 2 $\frac{13}{16}$ " (71.4 mm)

Distance, front of table to center of blade 16 $\frac{1}{2}$ " (419.1 mm)

Table in front of 10" blade at max. cut 11 $\frac{3}{4}$ " (298.45 mm)

Table in front of 12" blade at max. cut 10 $\frac{3}{4}$ " (273.05 mm)

Max. width of cut-off with 10" blade (1" stock) 25" (635 mm)

With miter gage extension . 38" (965.2 mm)

Table:

Height 34" (863.6 mm)

Size, including UNIFENCE™ table 83 $\frac{5}{8}$ " wide x 28 $\frac{1}{2}$ " deep (2124 x 723.9 mm)

Cabinet Size 24 $\frac{3}{4}$ " wide x 23" deep (628.65 x 584.2 mm)

Chip Exhaust Opening 2 $\frac{15}{16}$ " OD (74.6 mm)

Main Arbor Speed 4000 RPM

Scoring Arbor Speed 8600 RPM

Dimensions:

Height 40" (1016 mm)

Width 83 $\frac{5}{8}$ " (2124 mm)

Depth 33" (838.2 mm)

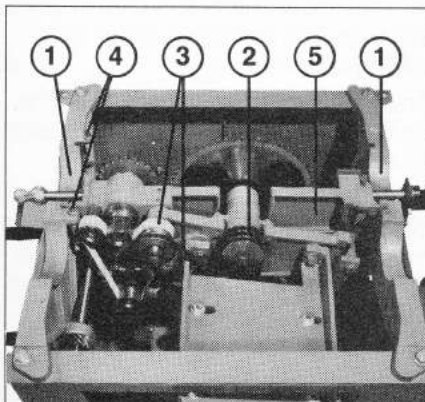
Net Weight 545 lbs. (245.2 Kg)

Accessories

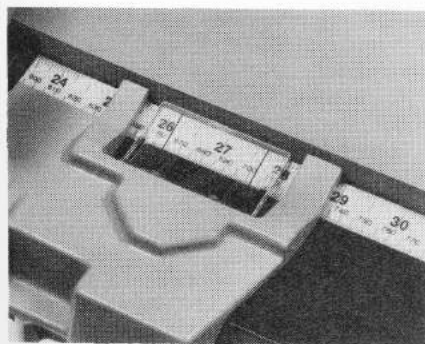
No. 34-999 Table Board and Shelf. With laminate coating for long life. Table board measures 3 $\frac{3}{4}$ " x 28 $\frac{3}{4}$ " x 48"; shelf board 3 $\frac{3}{4}$ " x 15" x 40".

No. 34-878 Cut-Off Fence. 10 $\frac{1}{2}$ " long, for repetitive cutoff operations. 2 $\frac{1}{2}$ lbs.

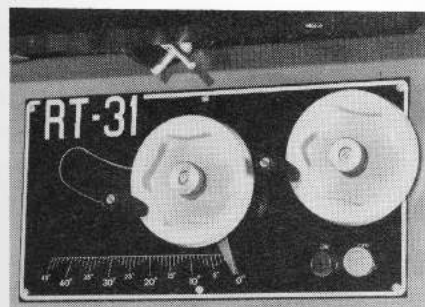
RT-31 Quality Features



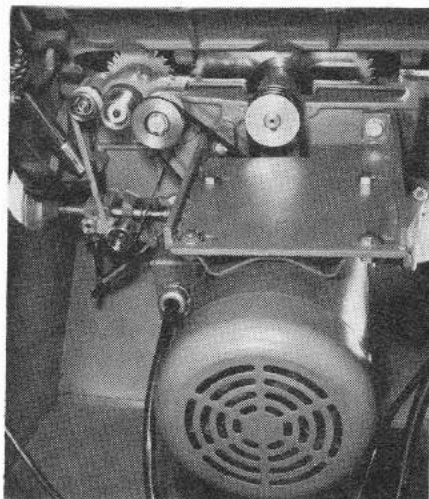
Superior Construction: 1. Husky trunnions carry the saw carriage. Trunnions are fully adjustable to insure perfect alignment. 2. Positive three-belt drive operates on a heavy duty ball bearing arbor. 3. Scoring blade is powered by a combination V and flat belt drive. 4. Table top adjustable blade stops at 90° and 45° to assure lifetime saw accuracy. 5. Massive cast iron member provides rigid support for arbor assembly.



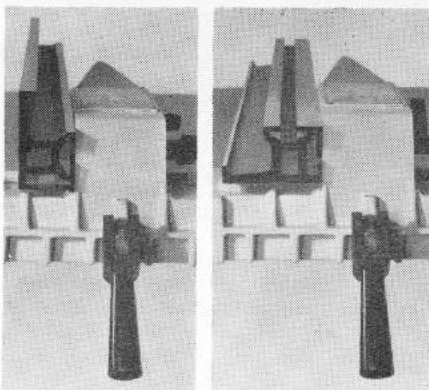
Dual English/Metric Scale. Saw guide scale is calibrated in 32nds of an inch, providing 52 $\frac{7}{8}$ " rip capacity to right of blade. Fence may be set to 1/64th inch accuracy when required. Viewing window has two fine witness lines—one for fence used in horizontal position and one for fence used in vertical position.



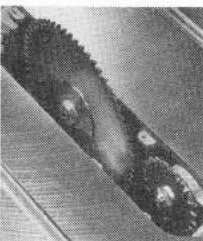
Convenient Controls. All operating controls, including on-off switch, blade raising and tilting handwheels, are grouped "up front" for easy operation. Large diameter handwheels simplify blade raising and tilting. Lock knob on handwheels secures blade at desired height or angle.



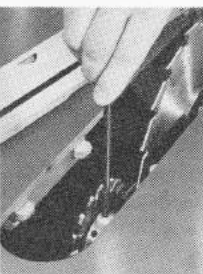
Efficient Drive System. Saw drive system is powered by a 3 or 5 HP, TEFC motor. Triple V-belts transmit full motor power for smooth cutting performance while V and flat belts furnish power to scoring unit. Arbor assembly is supported by a massive cast iron member and extra heavy trunnions for stability. Arbor runs on sealed, prelubricated ball bearings for long, trouble-free performance.



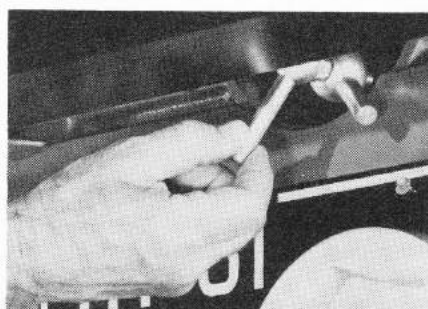
Two-Position Fence. Versatile fence may be set vertically for normal ripping or horizontally for convenient trimming operations on laminates. Fence is made of extruded, anodized aluminum for protection against corrosion, also provides a long-lasting wear surface.



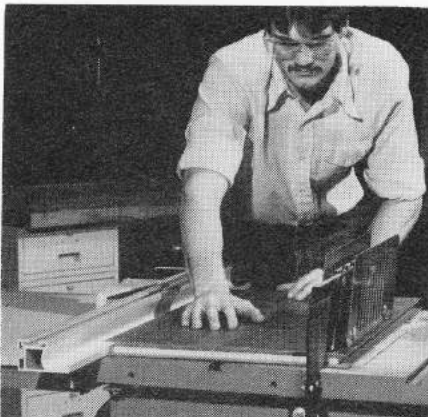
Close-Coupled Blade Design. Positioning of scoring unit as close as possible to main saw blade insures greater cutting accuracy. When using scoring blade, a 10" main blade is used. Up to a 12" blade may be used when scoring blade is removed.



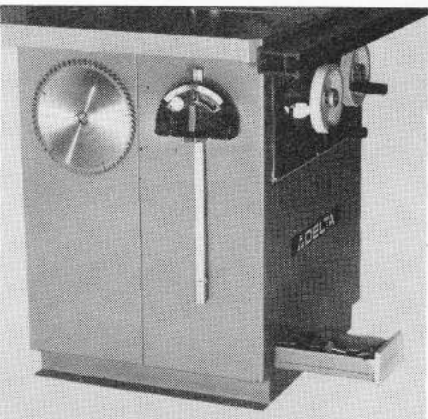
Scoring Saw Cutting Depth Adjustment. Scoring saw is mounted on an eccentric, permitting easy depth-of-cut setting from the top of the table.



Fast Scoring Saw Adjustment. Lateral adjustment of scoring blade is easily accomplished from the front of the machine. Second lever firmly locks blade at correct setting.



Trimming Laminated Stock. When fence is in horizontal position, it may be raised $\frac{1}{8}$ ", making it ideal for trimming laminated materials. Note how laminate can overlap fence while straight edge of panel is used for ripping reference.



Convenient Accessory Storage. Built into the saw cabinet is a handy tray for storing miscellaneous saw accessories. Miter gage, saw blades and other accessories may be stored on the side of the saw cabinet.

Delta Quality Extras

Built-in chip chute that moves with saw arbor when blade is tilted effectively collects sawdust and chips.

T-slots on either side of blade hold miter gage securely, even beyond front of table.

Delta UNISAW® 10" Tilting Arbor Saw

The Standard in the Industry for General Purpose Table Saws.

The Delta Unisaw 10" tilting arbor saw meets the most demanding specs for the most demanding shops in the business. It is the most popular cabinet model saw on the market today used in a majority of the nation's schools and in thousands of millwork, furniture, cabinet and home workshops.

Available in 1½, 3 and 5 HP models equipped with either Jet Lock, Micro-Set® rip fence or Unifence® saw guide.

Regardless of which model you select, you can expect such durability features as a massive cast-iron table, powerful triple V-belt drive, lubricated-for-life ball bearings with precision bored bearing seats, solid undertable construction with widely spaced massive trunnions and a husky carriage.

In addition, you'll get the safety of a drive mechanism, including all belts, that is completely contained in a steel

cabinet, and a see-thru blade guard with splitter and anti-kickback fingers that provides protection for all thru-cutting operations.

And, for non thru-cutting, there's the unique Uniguard saw guard available as an accessory extra.

Add to this, the versatility to do precision ripping, cross-cutting, dadoing, moulding and tenoning, and you can see why the Unisaw is the one others try to duplicate and old-timers still swear by since its introduction more than fifty years ago.

Check these Delta quality features

- See-thru swing-type, splitter-mounted guard
- Auto Set® miter gage
- Triple V-belt drive
- Lubricated-for-life ball bearings
- Precision bored bearing seats
- Widely spaced, massive trunnions
- Dynamically balanced pulleys
- Modern T-slot table
- Precision ground, stress-proof saw arbor
- Accurately ground cast-iron table
- Built-in adjustable blade stops
- Large hand-wheel controls
- Push-button control station



Unisaw® 10" Tilting Arbor Saw with accessory 34-829 Motor Cover.



Unisaw® 10" Tilting Arbor Saw with Unifence® Saw Guide and accessory 34-998 Table and Shelf Boards; accessory 34-829 Motor Cover.



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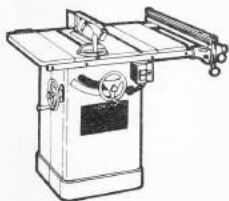
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Catalog Listing



Unisaw® 10" Tilting Arbor includes 34-639 see-thru blade guard; 34-896 Jet-Lock Micro Set® rip fence; 34-545 pair of extension wings; 34-105 combination blade; 34-895 miter gage, front guide bar, rear guide bar; 34-154 table insert; 41-644 motor pulley, (3/4" bore); 49-124 set of three matched V-belts, motor and controls.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
34-761	Single Phase 1½ HP	Push Button Switch with Overload	TEFC	60-3450	115/230	455
34-763	Single Phase 3 HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	230	477
34-764†	Three Phase 5 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	464
34-765			TEFC	60-3450	200	464

Unisaw® 10" Tilting Arbor with Unifence® Saw Guide. Includes 34-639 see-thru blade guard; 34-897 UNIFENCE® ; extension wing; 34-105 combination blade; 34-895 miter gage; 34-154 table insert; 41-644 motor pulley (3/4" bore); 49-124 set of three matched V-belts; motor and controls. Less UNIFENCE table and shelf boards.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
34-781	Single Phase 1½ HP	Push Button Switch with Overload	TEFC	60-3450	115/230	447
34-782	Single Phase 3 HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	230	469
34-783†	Three Phase 5 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	456
34-784			TEFC	60-3450	200	456

NOTE: Single phase 1½ HP electricals will be supplied wired for 230V unless 115V is specified. Single phase 3 HP electricals will be supplied wired for 230V only. Three phase electricals will be supplied wired for 230V unless 460V is specified. Power Cord and Plug supplied on single phase UNISAWS only. Motors and Motor Controls for Delta 10" UNISAWS

may be ordered unmounted.

†No. 49-000 "JIC" Type Control Kit. Specify this catalog number, in addition to Three Phase Cat. No. 34-783 or 34-764, in order to obtain 10" UNISAWS with "JIC" type electricals, factory mounted and wired.

Machine Data

Diameter of Arbor 5/8" (15.8 mm)
Diameter of Blade 10" (254 mm)

Capacities:

Maximum depth of cut 3 1/8" (79.3 mm)
 Maximum rip to right of blade 25" (635 mm)
 Maximum rip to left of blade 15 1/2" (393.7 mm)
 Maximum rip to right of blade
 with Unifence Saw Guide 52" (1320.8 mm)
 Maximum thickness of cut at 45° 2 1/8" (53.9 mm)
 Distance; front of table to center of blade 16 13/16" (427 mm)
 Table in front of saw blade at maximum cut 12 1/4" (311.1 mm)
 Maximum width of dado 13 1/16" (20.6 mm)

Table:

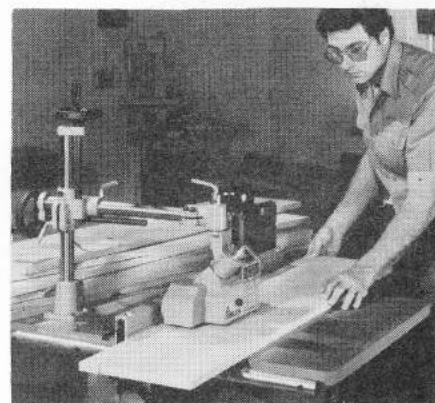
Height 34" (863.6 mm)
 Size 20" x 27" (508 x 685.8 mm)
 Size with Extension Wings 36" x 27" (914.4 x 685.8 mm)
 Size with Extension Wing
 and Unifence Table Board 76" x 27" (1930.4 x 685.8 mm)
 T-Slot Miter Gage Groove 3/8" x 3/4" (9.5 x 19.05 mm)

Overall Dimensions:

Height 36 3/4" (933.4 mm)
 Width with Wings and Guide Bar 45 5/8" (1152.5 mm)
 Width with Wing and Unifence Guide Bar 83" (2108.2 mm)
 Depth 35 3/4" (908 mm)
 Depth with Unifence Rip Fence 43" (1092.2 mm)

Speed:

With 3450 RPM Motor 4000 RPM
Dust Collection Capability See Page O2

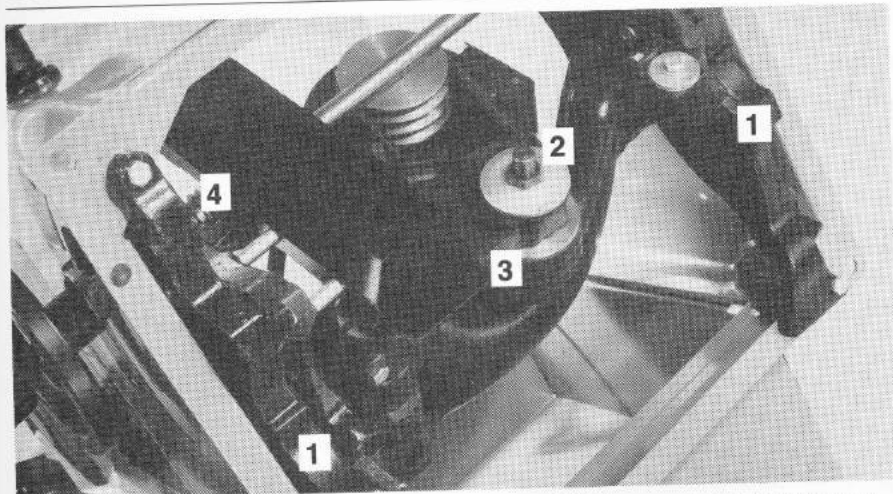


Unisaw shown with accessory 34-985 Stock Feeder for fast, repetitive ripping operations.

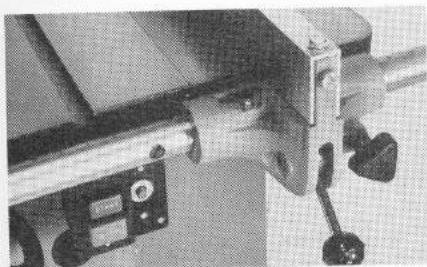


Unisaw shown with accessory 34-885 Uniguard Saw Guard. Provides protection for most sawing operations including dadoing, moulding and other non-thru cutting jobs.

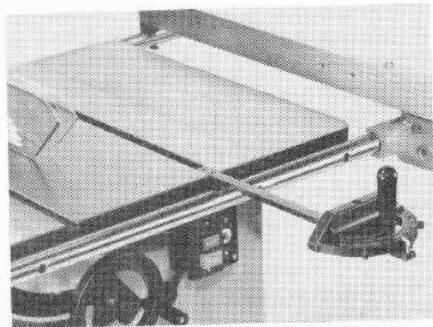
Delta 10" UNISAW® Quality Features



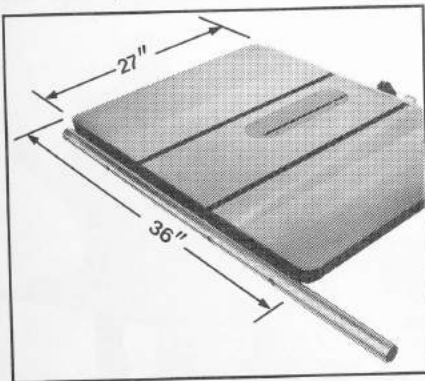
UNISAW® features that set the standard in industry: 1. Widely spaced, massive trunnions carry the husky saw carriage. Machined from fine-grained cast iron, trunnions are completely adjustable to insure perfect alignment. 2. Precision ground, stress-proof arbor is flange-faced after assembly. 3. Positive traction, three-belt drive operates between two massive, lifetime ball bearings. 4. Specially designed Acme threads prevent sawdust and chips from jamming trunnion rack. Adjustable blade stops at 90° and 45° assure lifetime accuracy. (Not visible.)



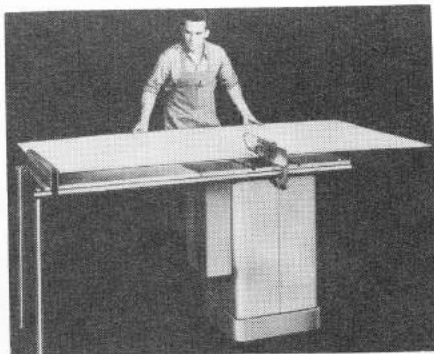
Exclusive Jet-Lock, Micro-Set® Rip Fence. Single control handle automatically aligns fence parallel to blade as it simultaneously locks to front guide rail; then, fence locks securely to rear guide bar. Extruded aluminum fence body is adjustable for close fit to table surface, also is pre-drilled to mount wooden faceplate for dadoing and moulding.



Modern T-Slot Table. T-slots on either side of saw blade hold miter gage securely, even beyond front of table. They provide accurate support for work up to 25½" on 1" stock. Miter gage can't twist or fall out.

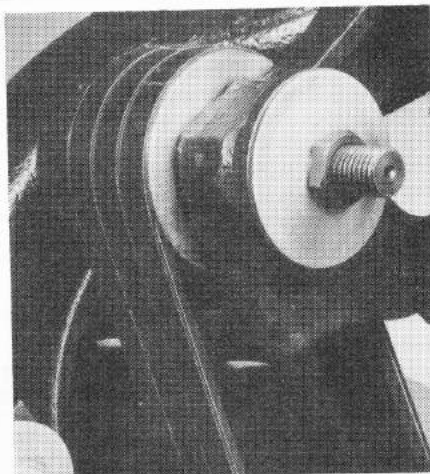


Large, Specially Designed Table. Big 27 x 36" cast iron table (with wings) has accurately ground face for precision work. Table and wings are scientifically ribbed to prevent warping and springing.

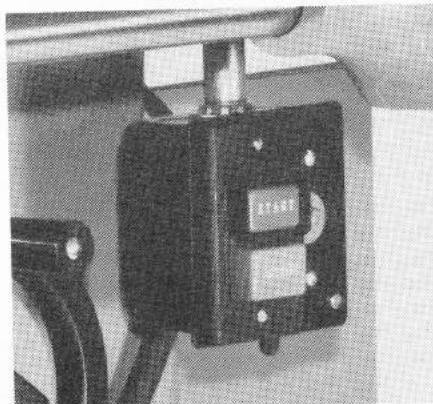


Giant Rip Capacity. Extra Long Guide Bars expand the rip capacity of the Delta 10" Unisaw to the center of a 100" panel. Give you the extra rip capacity usually found only on much larger and much more expensive saws. This low-cost accessory (No. 34-472) makes the Delta Unisaw the ideal machine for ripping large, bulky panels and other hard-to-handle materials.

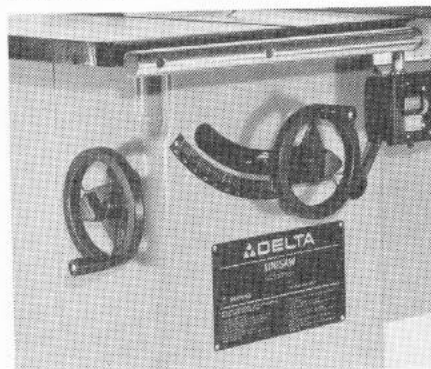
Note: Standard guide bars furnished with machine are used as supports for Extra Long Guide Bars.



Positive Traction, Three-Belt Drive. Three-belt drive makes use of all power from the motor—eliminates vibration and assures smooth operation. You get no loss of power through belt slippage.



Exclusive Delta 24-Volt Safety Control Station. Delta 10" UNISAWS® offer a low 24 volts at the push button station for extra operator safety. Magnetic motor control system, mounted in dust-tight enclosure, provides on-off control, low-voltage control and no-voltage protection. Start/stop push button station is conveniently located "up front", easily accessible to the operator.



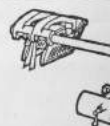
Conveniently Placed Controls. Hand wheels are located at convenient height and proper position for easy operation. No interference between controls. Knobs in center of wheels lock mechanism at desired settings.

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UNIGUARD® Saw Guard for all Delta UNISAWS®

A versatile saw guard. Permits ripping to the center of a 50" panel!

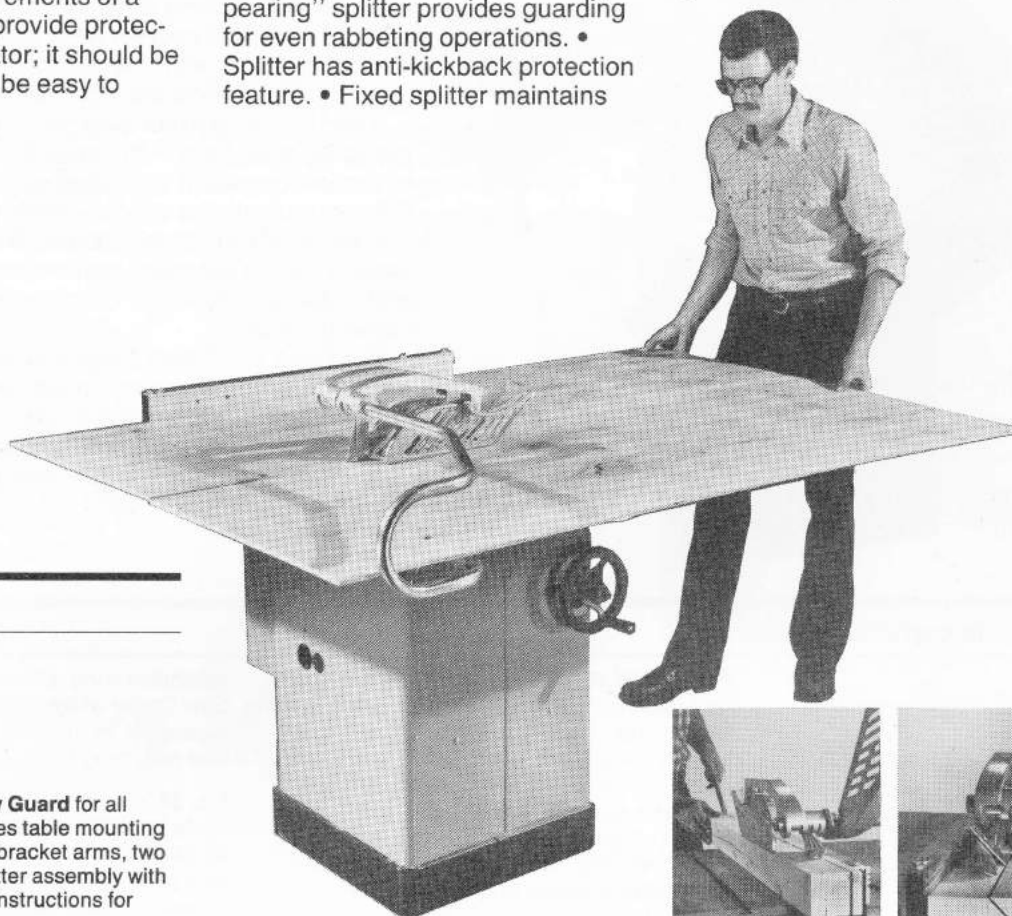
In industry, the building trades, custom and school shops, users express the same requirements of a saw guard. It should provide protection for the saw operator; it should be easy to use; it should be easy to remove and replace.

The Delta UNIGUARD meets all of these requisites and more!

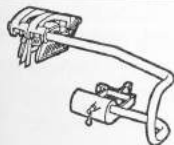
Here's why:

It provides protection for most cutting operations. • Mounts easily without special machining. • Unique, double basket with "disappearing" splitter provides guarding for even rabbeting operations. • Splitter has anti-kickback protection feature. • Fixed splitter maintains

correct alignment with saw blade at all times. • "Clear-View" basket offers excellent visibility. • Offers extra large ripping capacity with ease of operation. • Low in cost . . . less than half the price of comparable over-arm guards.

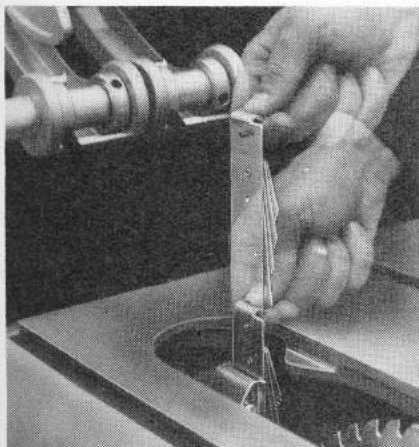


Catalog Listing



No. 34-885 Uniguard Saw Guard for all Delta UNISAWS®. Includes table mounting bracket, support arm, two bracket arms, two guards, plastic shield, splitter assembly with anti-kickback fingers and instructions for mounting. 15 lbs.

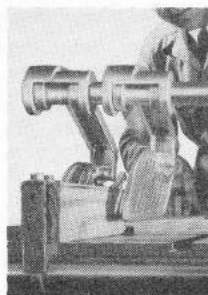
Quality UNIGUARD Features



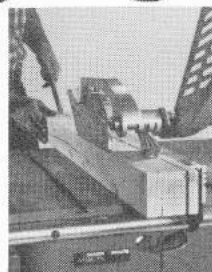
Unique Disappearing Splitter. For dadoing and similar non-thru cutting operations, remove saw insert and depress splitter. For ripping or cross-cutting, reverse this easy, quick operation.



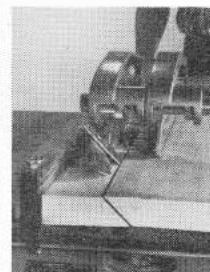
(Left) Moulding. UNIGUARD affords operator protection even when the "disappearing" splitter is not required. Split basket design permits basket to raise up onto stock while other basket stays on table for maximum operator protection.



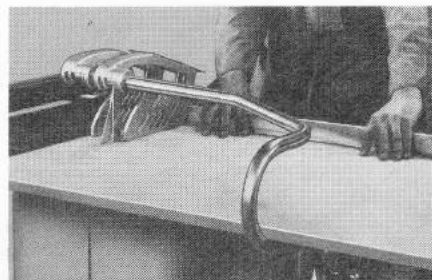
(Right) Rabbeting. The close-to-fence operation heretofore could not be performed with a conventional guard. The UNIGUARD's "disappearing" splitter and lateral adjustment feature make it safe.



(Left) Ripping Thin Stock. Special split basket design permits use of push stick between rip fence and adjustable plastic shield. Splitter fingers prevent kickback of stock.



(Right) Angle Cutting. UNIGUARD's retractable splitter tilts with the arbor while the "clear-view" basket remains stationary. Provides operator increased visibility.



Big Cut-Off Capacity. Modern, operator-engineered UNIGUARD provides extra wide cut-off capacity. With miter gage extended to the end of T-slot, operator can cut off stock up to two feet wide.

Delta 10" Tilting Arbor Saw

High Quality and Feature Loaded

This professional 10" Tilting Arbor Saw with full cabinet is ideal for the serious home craftsman, cabinetmaker, builder and contractor.



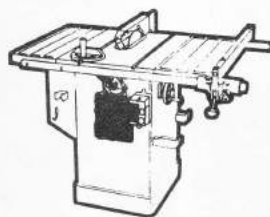
A 2HP motor provides ample power for rigorous cross-cutting and ripping operations in hardwoods, softwoods and compositions. A manual motor starter is provided for operator safety.

Choose a model with either Jet-Lock Micro-Set® rip fence, 30", or 52" Unifence® Saw Guide, depending on your work requirements. Each assures precision parallel setting with respect to the blade. All models incorporate a 20" x 27" finely ground cast-iron table with T-slotted miter gage grooves — total table dimensions vary with model.

The 10" Tilting Arbor Saw performs dadoing and moulding operations with the addition of low-cost accessories for greater workshop versatility. Other features include the see-thru blade guard with splitter and anti-kickback fingers, adjustable blade stops for precise cutting accuracy, convenient up-front controls and a steel and cast-iron trunnion system for maximum support.

The Delta 10" Tilting Arbor Saw was designed to offer unmatched accuracy and lifetime reliability. To appreciate the integrity of this saw, look at the detailed feature and benefit listing on the facing page, then visit your local Delta distributor and see this remarkable machine first hand.

Catalog Listing



No. 36-755 10" Tilting Arbor Saw Complete. Includes basic machine with two table extension wings, "see-thru" blade guard with splitter and anti-kickback attachment, miter gage, Jet-Lock Micro-Set rip fence with front and rear guide bars, 10" saw blade, V-belt, arbor and motor pulleys, motor cover, plus 2 HP, 230V, 60 Hz, single phase TEFC motor, motor starter and instruction manual.

No. 36-751 10" Tilting Arbor Saw Complete with 30" Unifence Saw Guide. Same as 36-755, less Jet-Lock Micro-Set rip fence with front and rear guide bars and one table

extension wing, but with 34-915 Unifence Saw Guide which includes fence, carriage assembly, front guide bar, table frame, legs and mounting hardware. Less table board.

No. 36-752 10" Tilting Arbor Saw Complete with 52" Unifence Saw Guide. Same as 36-755, less Jet-Lock Micro-Set rip fence with front and rear guide bars and one table extension wing, but with 34-897 Unifence Saw Guide which includes fence, carriage assembly, front guide bar, table frame, legs, shelf support brackets, and mounting hardware. Less table and shelf boards.

Machine Data:

Motor 2HP, 230V, 60 Hz Single Phase
Blade:
Diameter 10" (254 mm)
Arbor 5/8" (15.8 mm)
Speed 4000 rpm
Capacity:
Max. Depth of Cut 90° 3 1/8" (79.4 mm)
Max. Depth of Cut 45° 2 1/8" (53.9 mm)
Max. Rip R of Blade 25" (635 mm)
Max. Rip L of Blade 15 1/2" (393.7 mm)
Max. Rip R of Blade with 30"
Unifence Saw Guide 30" (762 mm)
Max. Rip R of Blade with 52"
Unifence Saw Guide 52" (1320.8 mm)
Max. Rip L of Blade w/30" or 52"
Unifence Saw Guide 8 3/4" (222.25 mm)
Table in Front of Saw Blade at
Max. Cutting Height 12 1/4" (311.15 mm)
Max. Width of Dado 13 1/16" (20.64 mm)

Table:
Size - Cast Iron 20 x 27" (508 x 685.8 mm)
Size w/Ext Wings 40 x 27" (1016 x 685.8 mm)
Size w/Ext Wing and 30"
Unifence Saw Guide 62 1/2 x 27" (1587.5 x 685.8 mm)
Size w/Ext Wing and 52"
Unifence Saw Guide 78 1/2 x 27" (1993.9 x 685.8 mm)
Height 34 1/4" (869.95 mm)
Miter Gage Groove 3/8 x 3/4" (9.5 x 19.05 mm)

Overall Dimensions:

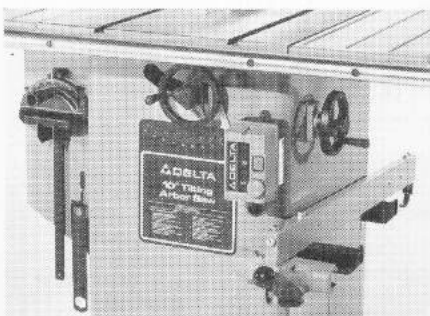
Width 45" (1143 mm)
Width w/30" Unifence
Saw Guide 67 1/2" (1714.5 mm)
Width w/52" Unifence
Saw Guide 83" (2108.2 mm)
Depth 32" (812.8 mm)
Height 39" (990.6 mm)

Accessories:

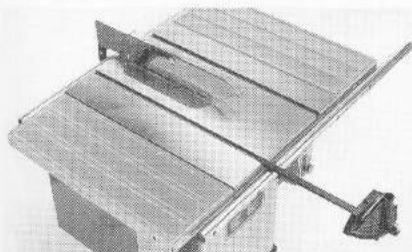
No. 34-914 Table Board. For 34-915 Unifence Saw Guide. Laminated material. 3/4 x 27 x 32".

No. 34-998 Table and Shelf Boards. For 34-897 Unifence Saw Guide. Laminated material. Table board size 3/4 x 27 x 48"; shelf size 3/4 x 15 x 40".

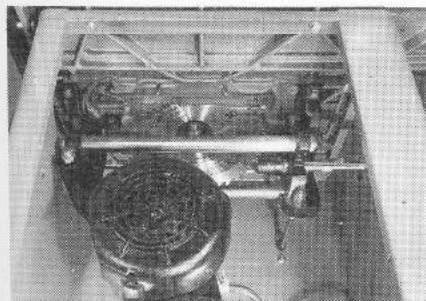
Delta 10" Tilting Arbor Saw Quality Features



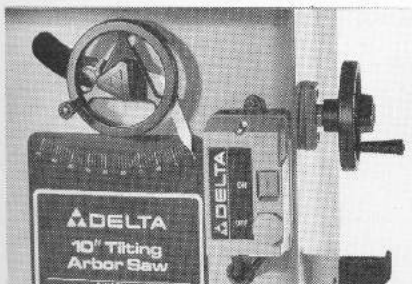
The standard equipment motor cover provides containment for dust collection; equipment clips for miter gage, fence and blade changing wrench keep your shop organized and important accessories within reach.



Preferred T-Slot Table. T-Slotted on either side of saw blade to hold miter gage securely, even beyond front of table. Provides accurate support for work up to 25½" wide on 1" stock. Miter gage cannot twist or fall out when engaged in T-slot.



Cast iron and steel trunnions provide sturdy work support. Positive action rack and worm gear elevating and tilting mechanism outperforms and outwears threaded screw and nut arrangements.



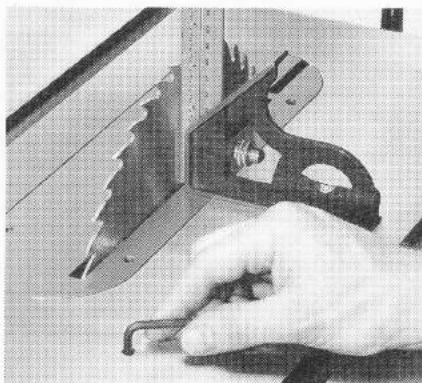
Conveniently grouped controls for fast, safe operation. Smooth functioning rack and gear mechanism make blade tilting and raising easy — triangular lock knob holds desired settings.



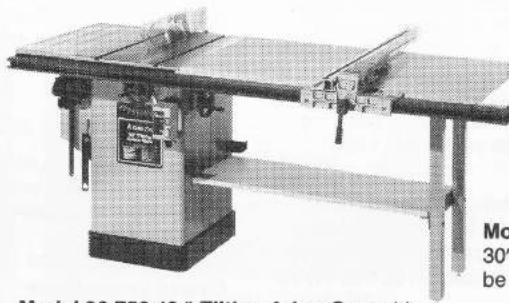
Manual Motor Starter supplied with thermal overload protection. Also provides no-voltage protection as required by OSHA.



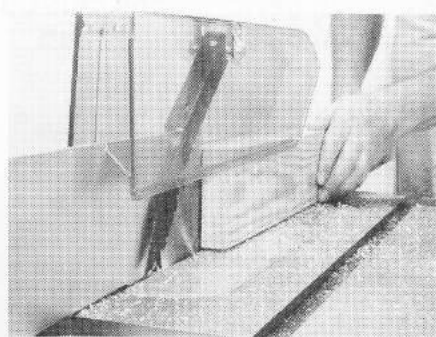
Mushroom stop button is conveniently located for operator safety and protection. Raised design allows shut off with a hand or knee.



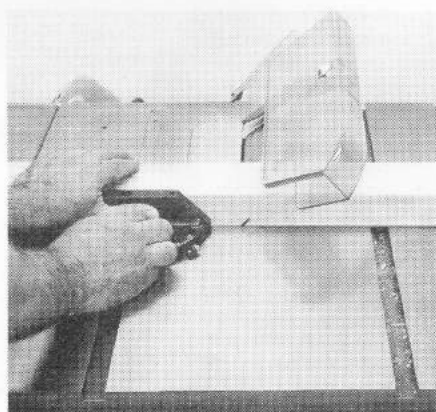
Adjustable Positive Stops on Table. Saw blade stops can be adjusted for perfect 90° and 45° settings on top of the table. Saw blade insert contains similar adjustment screws for leveling.



Model 36-752 10" Tilting Arbor Saw with 52" Unifence Saw Guide. Table and Shelf Boards must be ordered separately.



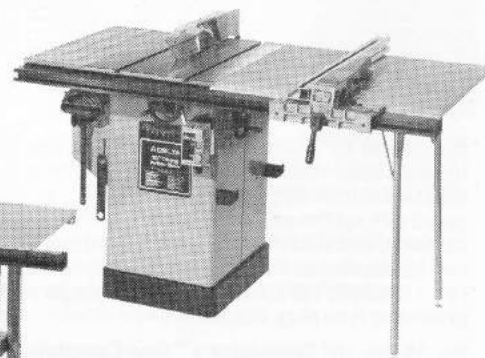
Big Saw Capacities. Full 3 1/8" thick depth of cut when blade is at 90° and in highest position; 2 1/8" thick at 45°.



Precision Blade Tilt. Blade on the 10" Tilting Arbor Saw tilts 0° - 45° right for bevel cutting.

Fence Options. The exclusive Delta Unifence Saw Guide measures accurately to 1/64th of an inch. The fence has two positions for normal ripping or for laminate trimming operations. Dual English/Metric scale. Choose from 30" and 52" lengths.

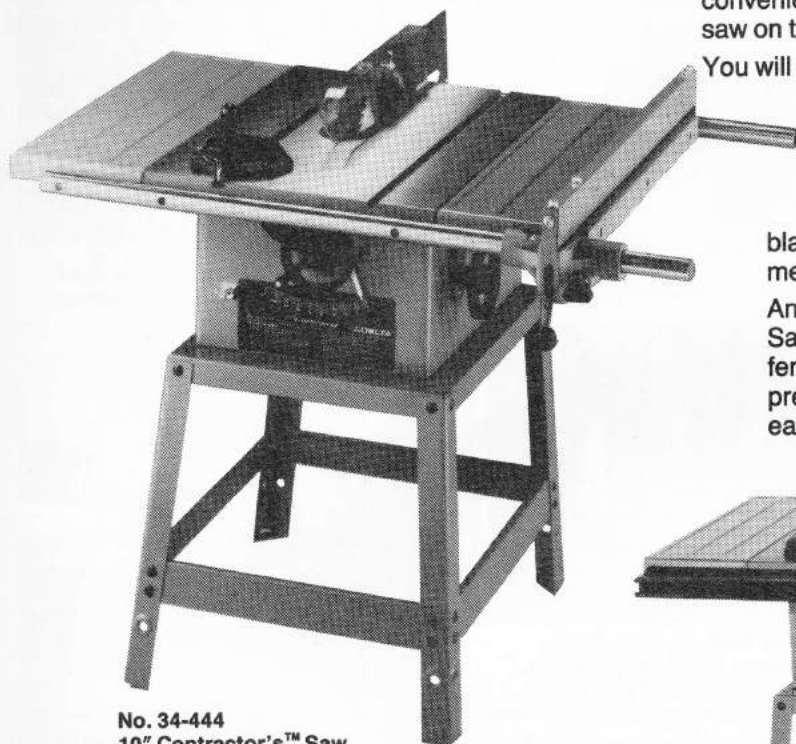
The Jet-Lock Micro-Set rip fence features a single control for convenient positioning; automatically aligns fence parallel to blade as it locks to front guide rail.



Model 36-751 10" Tilting Arbor Saw with 30" Unifence Saw Guide. Table Board must be ordered separately.

Delta 10" Contractor's™ Saw

Precision performance plus built-in quality features throughout!

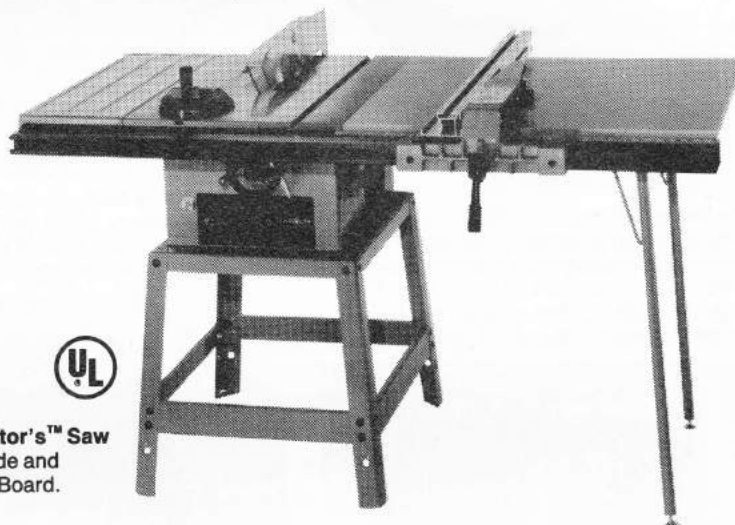


No. 34-444
10" Contractor's™ Saw

The Delta 10" Contractor's Saw is built with just one thought in mind—to produce a machine that will offer precision accuracy, big capacity, maximum convenience and more built-in value than any similar saw on the market.

You will agree when you check its many fine features: Big saw cutting capacities, positive-action rack and worm gear blade elevating and tilting mechanism, convenient up-front operating controls, pre-loaded, lubricated-for-life ball bearing construction, "see-thru" blade guard with splitter and anti-kickback attachment, Auto-Set® miter gage, and more.

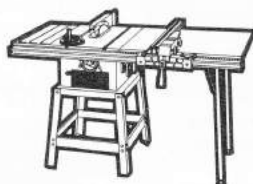
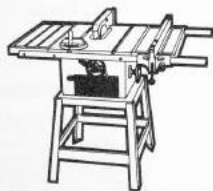
And now, you can choose the 10" Contractor's Saw with the exclusive Jet-Lock, Micro-Set® rip fence, or Unifence® saw guide which makes precision cutting an even faster, simpler and easier operation.



No. 34-445 10" Contractor's™ Saw
with Unifence® Saw Guide and
accessory 34-914 Table Board.



Catalog Listing



No. 34-444 10" Contractor's™ Saw Complete with 1½ HP Motor. Includes basic machine with two 34-862 table extension wings, 50-314 stand, 34-965 belt and pulley guard, 34-658 "see-thru" blade guard with splitter and anti-kickback attachment, 34-895 miter gage, Jet-Lock, Micro-Set® rip fence with front and rear guide bars, 10" saw blade, 49-034 V-belt, arbor and motor pulleys plus 62-043 1½ HP, 115/230V, TEFC motor with on-off toggle switch and 115V grounding type plug. 223 lbs.

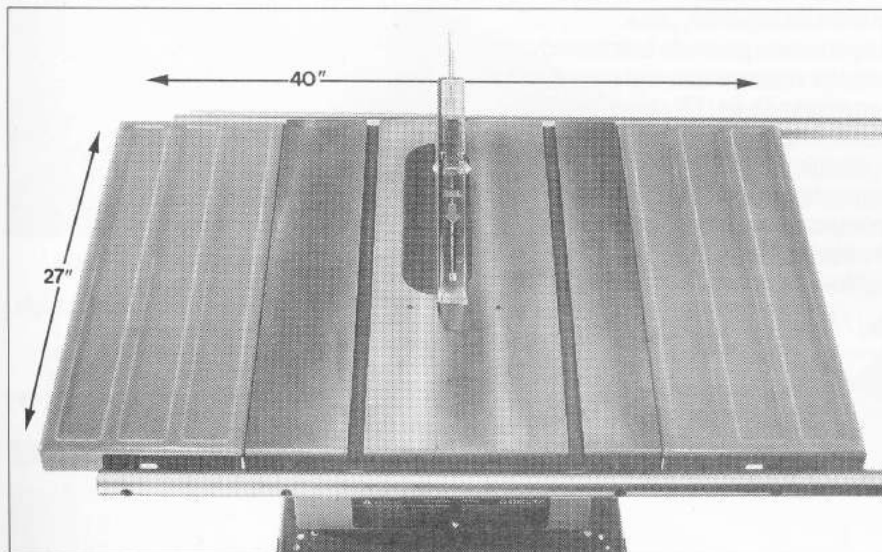
No. 34-445 10" Contractor's™ Saw Complete with Unifence® Saw Guide and 1 HP Motor. Same as 34-444, less Jet-Lock Micro-Set rip fence with front and rear guide bars and one 34-862 table extension wing, but with 34-915 Unifence saw guide and 62-043 1½ HP motor. Less Unifence table board.

No. 34-914 Table Board. For 34-915 Unifence. With laminate coating. Size ¾" x 27" x 32".

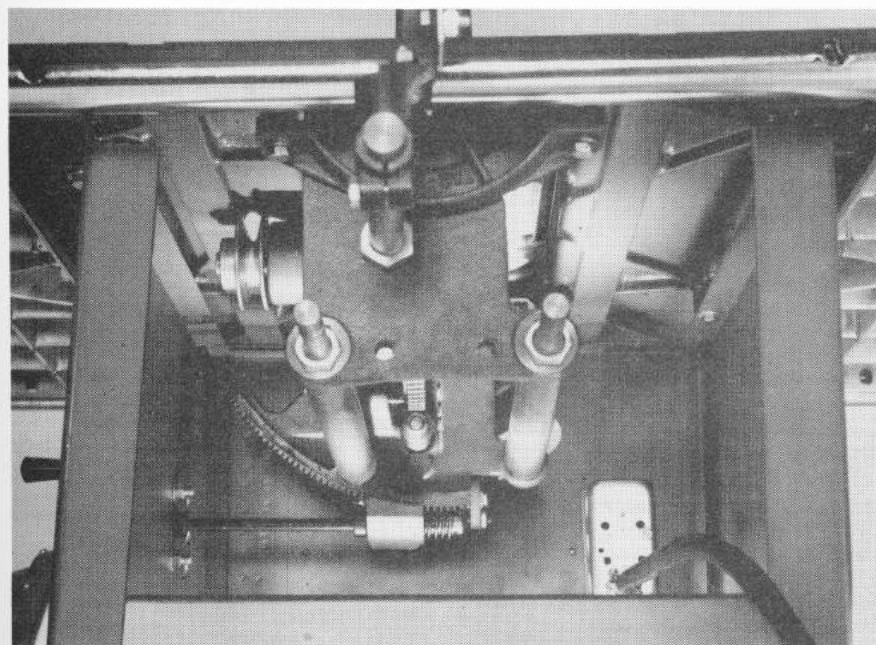
Machine Data

Motor	1½ HP, 115/230V, 60 Hz, Single Phase, 3450 RPM
Blade:	
Diameter	10" (254 mm)
Arbor	5/8" (15.8 mm)
Speed	4000 RPM
Capacity:	
Max. depth of cut	3 1/8" (79.375 mm)
Max depth of cut at 45°	2 1/8" (53.975 mm)
Max. rip to right of blade	25" (635 mm)
Max. rip to left of blade	15 1/2" (393.7 mm)
Max. rip to right of blade with Unifence saw guide	30" (762 mm)
Table in front of saw at maximum cut	12 1/4" (311.15 mm)
Max. width of dado	1 3/16" (20.64 mm)
Table:	
Size	20 x 27" (508 x 685.8 mm)
Size with extension wings	40 x 27" (1016 x 685.8 mm)
Size with extension wing and Unifence table board	27" x 62" (685.8 x 1574.8 mm)
Miter gage groove	3/8 x 3/4" (9.525 x 19.05 mm)
Height on steel stand	34 1/4" (184.95 mm)
Overall Dimensions:	
Height (on steel stand)	52 1/4" (1327.15 mm)
Width with wings and guide bar	45" (1143 mm)
Width with wing and Unifence guide bar	62" (1574.8 mm)
Depth	39 3/4" (1009.65 mm)
Depth with Unifence saw guide	43" (1092.2 mm)

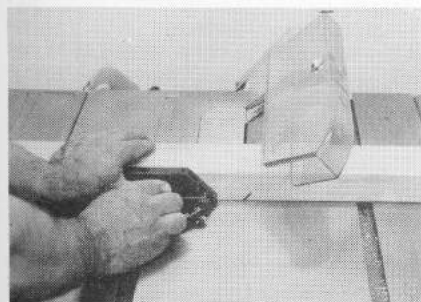
10" Contractor's™ Saw Quality Features



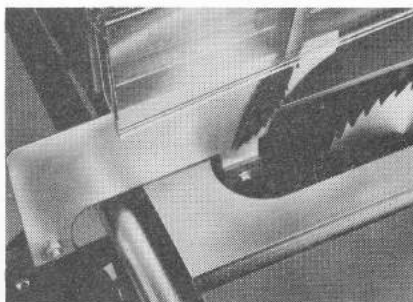
Large Table Surface. Contractors like the big 40 x 27" table on the 10" saw. Table is precision ground and scientifically ribbed to prevent warping and distortion.



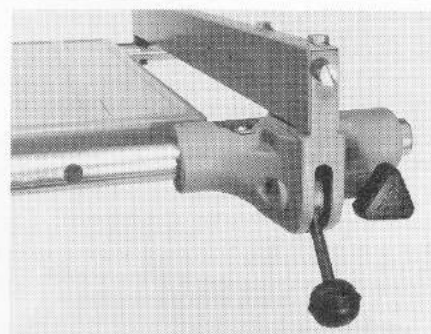
Positive-Action Rack and Worm Gear blade elevating and tilting mechanism outperforms and outwears less costly, threaded screw and nut arrangement of some competitive saws.



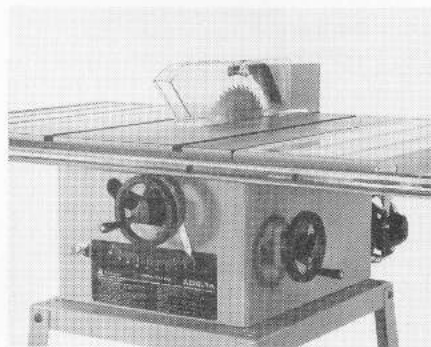
Correct Blade Tilt. Unlike some competitive saws, the blade on Delta Contractor Saws tilts to the right, away from the operator's hands. This assures greater safety for the operator because most people prefer to work on the left side of the blade.



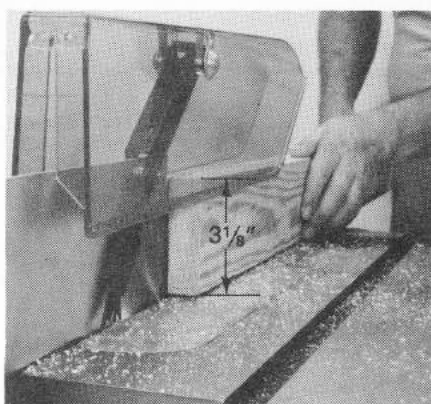
Rigid Splitter Support. Splitter for "clearview" blade guard has a double mounting that provides the rigidity required for accurate cutting. Guard has spring-loaded, anti-kickback fingers.



Exclusive Jet-Lock, Micro-Set® Rip Fence. Single control handle automatically aligns fence parallel to blade as it simultaneously locks to front guide rail; then, fence locks securely to rear guide bar.



Blade Raising and Tilting Controls. Are located up front for easy, safer operation. Protected on-off switch prevents accidental starts.



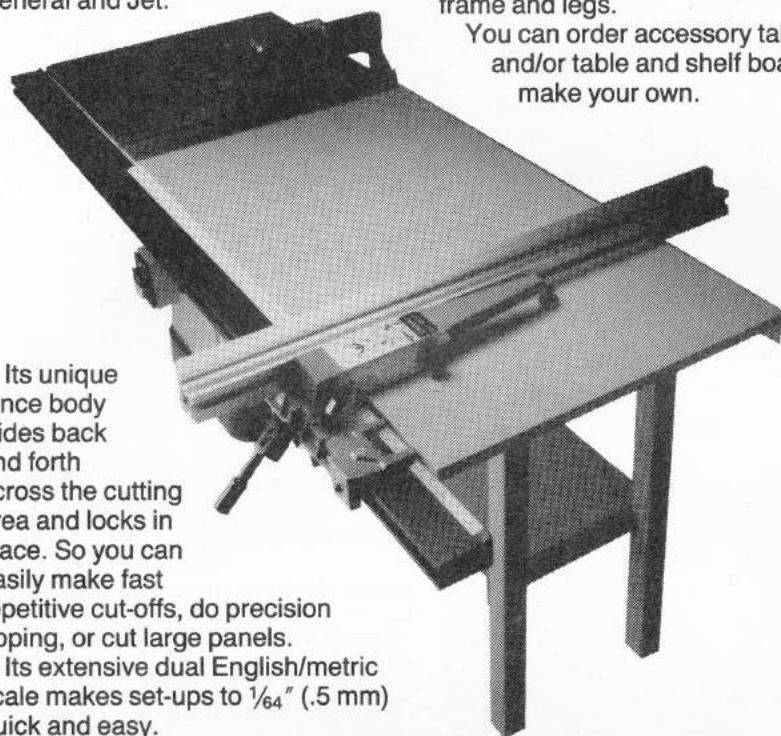
Big Capacity. The 10" Contractor's Saw cuts stock $3\frac{1}{8}$ " thick and rips to the center of a 50" panel (100" with accessory Extra Long Guide Bars).

Preloaded, lubricated-for-life ball bearings with precision bored bearing seats and accurately ground arbor assure longer, trouble-free operation.

Delta UNIFENCE® Saw Guide

Gives you accuracy, versatility, and performance no other fence can match!

The Unifence® Saw Guide works with the Delta Unisaw 10" Tilting Arbor Saw, 10" Contractor's Saw or just about any other table saw, including Powermatic, Craftsman, General and Jet.



Its unique fence body slides back and forth across the cutting area and locks in place. So you can easily make fast repetitive cut-offs, do precision ripping, or cut large panels.

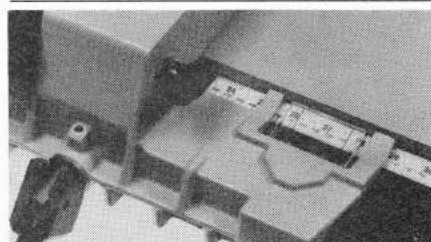
Its extensive dual English/metric scale makes set-ups to 1/64" (.5 mm) quick and easy.

Fast, accurate cuts on laminated materials are easy, too. Lay the two-position fence body on its side and veneer surfaces can extend over its lip. Or raise it 1/8" and run the laminate underneath.

Available in 30", 52" and 96" capacity models, the Unifence comes with a sturdy steel table frame and legs.

You can order accessory table and/or table and shelf boards or make your own.

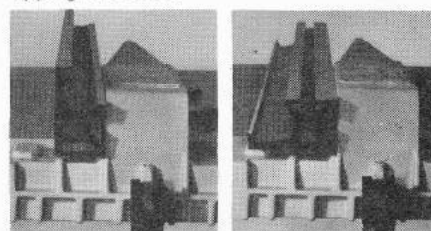
UNIFENCE Quality Features



Dual English/Metric Scale. UNIFENCE scale is calibrated in 32nds of an inch, providing 30", 52" or 96" rip capacity to right of blade. Fence may be set to 1/64th inch accuracy when required. Viewing window has two fine witness lines—one for fence used in horizontal position and one for fence used in vertical position.

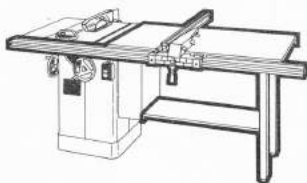


Trimming Laminated Stock. When fence is in horizontal position, it may be raised 1/8", making it ideal for trimming laminated materials. Note how laminate can overlap fence while straight edge of panel is used for ripping reference.



Two-Position Fence. Versatile fence may be set vertically for normal ripping or horizontally for convenient trimming operations on laminates. Fence is made of extruded, anodized aluminum for protection against corrosion; also provides a long-lasting wear surface.

Catalog Listing



Unifence® Saw Guide. For Delta Unisaw® 10" Tilting Arbor Saw, 10" Contractor's Saw and most other comparable table saws. Includes fence, carriage assembly, front guide bar, table frame, shelf support brackets (with 34-897 and 34-908 only), legs (extra set with 34-908), and mounting hardware. Less table and/or table and shelf boards.

30" Capacity Model No.	52" Capacity Model No.	96" Capacity Model No.
34-915	34-897	34-908

Note: Table for 34-915 and Table and Shelf Boards for 34-897 listed under accessories, must be ordered separately or may be made by user following instructions provided with Unifence Saw Guide. Table and Shelf for 34-908 must be made by user.

Accessories

No. 34-914 Table Board. For 34-915. Laminated material. 3/4" x 27" x 32".

No. 34-998 Table and Shelf Boards. For 34-897. Laminated material. Table board measures 3/4" x 27" x 48"; shelf board 3/4" x 15" x 40". 53 lbs.

No. 34-878 Cut-Off Fence. 10 1/2" long, for repetitive cut-off operations. 2 1/2 lbs.

No. 34-894 Fence. 43" long. Same as supplied with Unifence Saw Guide. Ideal for use as spare fence for rabbeting and moulding operations. 6 3/4 lbs.

No. 34-867 Front Rail. Included with 34-908. Offers 96" capacity to right of blade. 32 lbs.

No. 34-909 Set of Legs. Included with 34-897. Consists of table frame, shelf support brackets and mounting hardware.

Machine Data

Capacities:

Rip to right of saw blade 30", 52" or 96"
Rip to left of saw blade 8 3/4"

Fence:

Length 43"
Height (vertical position) 3 1/2"
Height (horizontal position) 1/2"
Adj. above table surface (horizontal) . . . 1/4"
Adj. above table surface (vertical) 1/8"

Guide Bar:

Overall length 62", 83" or 128"

Scale Calibrations:

(English) 1/32" (Metric) 1.0 mm

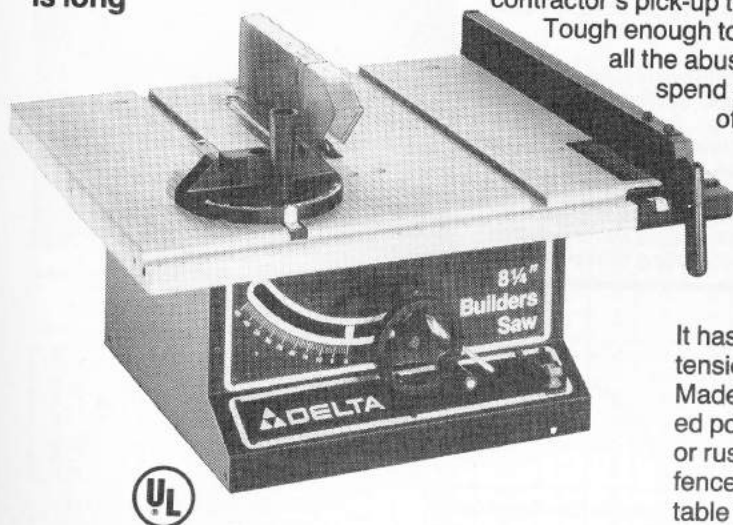
Table Board Size 27" deep x 32",
48" or 93" wide

Delta Quality Extras

- Fence is adjustable for parallelism from front of saw without removing fence from machine.
- When ripping to left of saw blade is necessary, fence may be repositioned to right of fence carriage for this operation.

Delta 8 1/4" Builders™ Saw

As tough as the day
is long



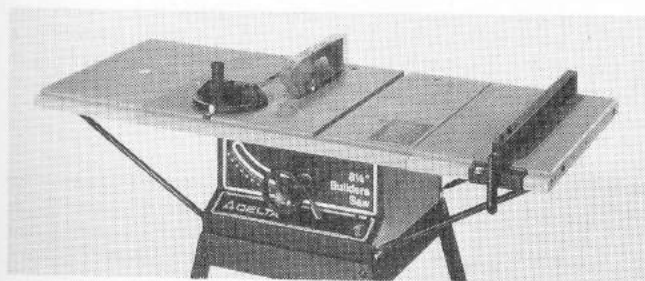
No. 34-330 8 1/4" Builders™ Saw

We set out to build a saw that would be as comfortable in the back of a contractor's pick-up truck as in a craftsman's warm, dry shop.

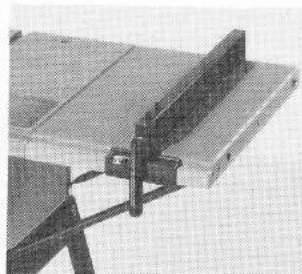
Tough enough to hold its own on the nastiest of job sites. And take all the abuse a work crew can dish out. Yet precise enough to spend an evening at home on the bench making all sorts of perfect cuts.

The 8 1/4" Builders Saw from Delta. Its carbide-tipped blade cuts 2 1/4" at 90°; 1 3/4" at 45°—ample capacity to cut dimensional 2 x 4 lumber. Offers full 9" capacity in front of blade at 1" depth of cut. Rips 12" right of blade; center of 4-foot panel with accessory extension wing.

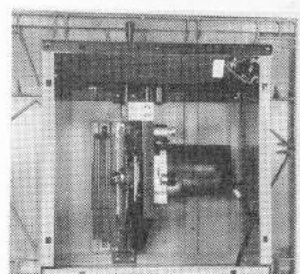
It has a 26" x 20" table—50" x 20" with two accessory extension wings to provide the needed support for large work. Made of tough, durable SMC—a space-aged glass reinforced polyester resin compound, the table won't warp, spring or rust. A single control handle automatically aligns its rip fence parallel to the blade as it simultaneously locks to the table for accurate setups. And there's a self-contained 13 Amp, 115V, 4500 RPM motor that develops plenty of cutting power for just about any job. All day long.



Sturdy 26" x 20" table can be increased to 50" x 20" with accessory extension wings to support extra large work. Made of space-age SMC and entirely new, reinforced polyester resin compound, table and wings won't warp, spring or rust.

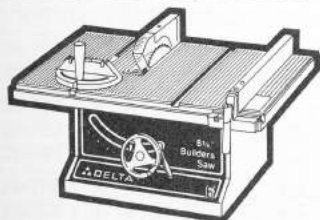


Self-aligning rip fence with single control lever for accuracy and convenience.



Solid under table construction with steel trunnions for rigid support of self-contained arbor/motor assembly.

Catalog Listing



No. 34-330 8 1/4" Builder's™ Saw. Includes basic machine with 13 Amp, 115V, 25-60 Hz motor, switch, cord and plug; 34-367 rip fence, 34-322 miter gage, see-thru blade guard with splitter and anti-kickback fingers, carbide-tipped 8 1/4" dia. x 18 ATB saw blade, 34-327 table insert, wrenches and instruction manual.

Accessories

No. 34-332 Steel Stand. 25" high with 17" x 17" top. 26 lbs.

No. 34-331 Table Extension. 12" x 20" with mounting brackets. For right or left side use. Two extensions required to increase table size to 50" x 20".

Machine Data

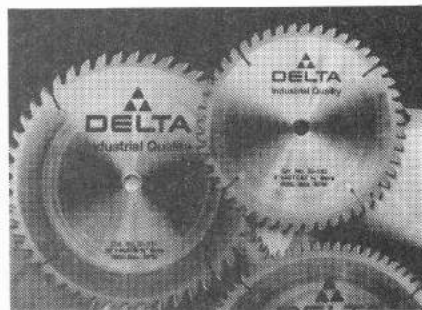
Motor	13 Amp, 115V, 25-60 Hz, AC
Blade:	
Diameter	8 1/4" (209.5 mm)
Arbor	5/8" (15.8 mm)
Speed	4500 RPM
Capacity:	
Max. depth of cut	2 1/4" (57.15 mm)
Max. depth of cut at 45°	1 3/4" (44.45 mm)
Max. rip to right of blade	12" (304.8 mm)
with accessory extension wing	24" (609.60 mm)
Max. rip to left of blade	8 1/2" (215.90 mm)
with accessory extension wing	20 1/2" (520.70 mm)
Table in front of blade at 1" depth of cut	9" (228.6 mm)
Max. width of dado	1 3/16" (20.64 mm)
Table:	
Size	26" x 20" (660.40 x 508.0 mm)
with (2) accessory extension wings	50" x 20" (1270.0 x 508.0 mm)
Height	11 1/2" (292.10 mm)
on steel stand	36 1/2" (927.10 mm)
Miter gage groove	3/8" x 3/4" (9.525 x 19.05 mm)
Overall Dimensions	24" x 26" x 15" (609.60 x 660.40 x 381.0 mm)
Weight	40 Lbs. (18.1 Kg)

Delta Circular Saw Accessories

Industrial Carbide-Tipped Circular Saw Blades

Designed, engineered and manufactured to uncompromising quality standards for optimum cutting performance and maximum service life. Made from quality materials, quality controlled at each step of production. Check their many fine features:

- Fine-grain carbide tips, consistent in composition and highly resistant to wear. Laboratory tested pre- and post-sinter.
- Chrome alloy steel body, polished, roll-and-hammer tensioned and balanced for running accuracy.
- Expansion slots to dissipate heat; prevent warping. With copper rivet inserts to reduce noise level.
- Tips silver brazed to body by high-frequency electric techniques. Impact tested to guarantee set.
- Tooth clearance angle precision ground for smoothness. Cutting edges mirror polished for razor sharpness, cutting efficiency.



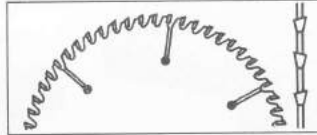
Four Popular Tooth Designs



Flat Top Grind (FT). Generally, for cutting material with grain. Larger gullets on this type blade accept greater chip loads; permit higher feed rates. Excellent for ripping on either single or multi-rip machines where speed of cut is more important than quality of cut. Teeth with square or flat top shape act as chisels, cutting material with chisel-like action. Also serve as rakers to clean out the cuttings or chips.



Triple Chip & Flat Grind (TC&F). Two shapes of teeth — alternate triple-edge and flat top design for dual action cutting. Triple-edge teeth chip down center of kerf, flat top raker teeth follow to clean out material from both sides. TC&F blades with negative hook angle are recommended for cutting non-ferrous metals. Negative hook angle prevents climbing; gives you total control over the feed rate.



Alternate Top Bevel Grind (ATB). For across-the-grain cutting and/or cut-off and trimming operations on undefined grain work. Top bevel shaped teeth sever the material with shearing action alternately left and right. Given a choice, the ATB blade with the higher number of teeth will produce the higher quality of finish cut. Where finish is no concern, select the blade with fewer teeth.



Alternate Top Bevel & Raker (ATB&R). Excellent for cutting operations both with and/or across the grain. Achieves a fairly high level of quality over wide range of cuts. Two sets of shearing-action alternate left and right top bevel teeth followed by a raking action flat top tooth with large round gullet to facilitate chip removal.

Select the blade with the tooth design best suited for your particular job!

The chart lists the Delta Carbide-tipped Blades recommended for various type machines and rates each of them according to the material to be cut and the quality of finish cut you can expect on a particular operation.

Catalog Number	Blade Description	Material														Application	
		Plate	Kerf	Hook	Bore	Hardwood	Softwood	Plywood	Compositions	1-Sided Laminates	2-Sided Laminates	Non-ferrous Metal	Tile/Asbestos	Solid Plastic	Hard Fiber/Paper	Trim Cut With Grain	Trim Cut Across Grain

Miter Boxes, Sawbuck, Radial Saw and Other Pendulum Type Saws

35-593	8" x 48 TC&F	.079	.110	-6°	5/8"	10	10	8	10	10	10	8	10	8		F	F
35-600	9" x 80 TCF	.086	.118	-6°	5/8"	10	10	8	8	10	10	8	10	8		F	F
35-619	10" x 60 TC&F	.094	.118	-6°	5/8"	9	9	7	8	9	9	7	9	7	F	F	F
35-622	10" x 80 ATB	.086	.126	5°	5/8"	7	7	10	10	9	8	na	na	5	7	F	F
35-625	10" x 80 TC&F	.094	.118	-6°	5/8"	10	10	8	8	10	10	8	10	8		F	F
35-626	10" x 60 ATB	.086	.126	5°	5/8"	5	6	7	5	10	8	na	na	3	4	F	F
35-646	12" x 60 TC&F	.102	.126	-6°	1"	9	9	7	8	9	9	7	9	7		F	F
35-655	12" x 96 ATB	.095	.142	5°	5/8"	7	7	10	10	9	8	na	na	5	7	F	F
35-679	14" x 84 TC&F	.110	.173	-6°	1"	9	9	7	8	9	9	7	9	7		F	F

Circular Saws

35-590	8" x 48 TC&F	.079	.110	5°	5/8"	8	8	5	5	6	4	10	5	10	5	M	F	F
35-591	8" x 24 ATB	.079	.118	10°	5/8"	10	10	8	8	8	5	na	na	4	4		F	F
35-592	8" x 64 ATB	.079	.118	8°	5/8"	6	6	10	10	9	8	na	na	7	10		F	F
35-601	9" x 60 TC&F	.079	.118	10°	5/8"	5	5	9	10	na	na	na	10	na	9	M	M	F
35-602	9" x 34 ATB	.079	.118	10°	5/8"	9	9	9	8	8	5	na	na	na	8		M	F
35-603	9" x 24 ATB	.079	.118	15°	5/8"	8	8	8	7	7	4	na	na	na	7	M	M	F
35-604	9" x 64 ATB	.079	.118	10°	5/8"	6	6	9	10	9	8	na	na	8	10		M	F
35-605	9" x 48 ATB	.086	.126	10°	5/8"	5	5	6	8	10	8	na	na	na	8		M	F
35-606	9" x 40 ATB&R	.086	.126	15°	5/8"	10	10	8	8	na	na	na	na	na	na	M	M	F
35-611	10" x 18 FT	.086	.118	20°	5/8"	10	10	8	8	na	na	na	na	na	5	M	M	F
35-612	10" x 24 ATB	.086	.126	20°	5/8"	10	10	8	8	6	na	na	na	na	5		M	F
35-613	10" x 40 ATB	.086	.126	12°	5/8"	8	8	9	7	6	na	na	na	na	na		M	F
35-614	10" x 48 ATB	.086	.126	12°	5/8"	9	9	10	10	8	7	na	na	na	na		M	F
35-615	10" x 48 TC&F	.086	.126	12°	5/8"	5	4	4	10	6	5	na	10	na	9		F	F
35-616	10" x 60 ATB	.086	.126	12°	5/8"	7	8	8	9	10	7	na	na	na	7		F	F

Catalog Number	Blade Description	Material														Application		
		Plate	Kerf	Hook	Bore	Hardwood	Softwood	Plywood	Compositions	1-Sided Laminates	2-Sided Laminates	Non-ferrous Metal	Tile/Asbestos	Solid Plastic	Hard Fiber/Paper	Rip	Trim Cut With Grain	Trim Cut Across Grain

Circular Saws (continued)

35-617	10" x 50 ATB&R	.086	.126	15°	5/8"	10	10	8	8	na	na	na	na	na	na	F	F	F
35-618	10" x 60 TC&F	.086	.126	12°	5/8"	8	7	8	8	5	3	na	10	na	10		M	F
35-620	10" x 72 ATB	.086	.126	8°	5/8"	9	8	7	5	10	7	na	3	3	na		F	M
35-621	10" x 72 TC&F	.086	.126	10°	5/8"	7	6	7	5	10	8	na	na	5	na		M	M
35-623	10" x 80 ATB	.086	.126	8°	5/8"	5	6	8	10	9	4	na	na	na	10		M	F
35-624	10" x 80 TC&F	.086	.126	10°	5/8"	5	5	7	7	9	10	na	na	10	na		F	F
35-641	12" x 24 FT	.095	.142	20°	1"	10	10	8	8	na	na	na	na	na	na	M		
35-642	12" x 36 ATB	.095	.142	15°	1"	10	10	8	8	8	6	na	na	4	6		M	M
35-643	12" x 48 TC&F	.095	.142	15°	1"	9	9	8	8	9	8	na	10	na	8		F	M
35-644	12" x 48 ATB	.095	.142	15°	1"	7	7	9	9	7	6	na	na	na	na		M	M
35-645	12" x 60 TC&F	.095	.142	10°	1"	10	10	10	9	10	9	na	10	na	9			
35-647	12" x 72 ATB	.095	.142	12°	1"	6	5	6	10	10	8	na	na	na	6		F	F
35-648	12" x 90 TC&F	.095	.142	10°	1"	5	5	7	7	9	10	na	na	na	10		M	F
35-649	12" x 96 ATB	.095	.142	8°	1"	5	6	7	10	9	4	na	na	na	9		F	M
35-656	12" x 60 TC&F	.126	.173	10°	5/8"	9	9	9	8	8	7	na	na	na	8	F	M	F
35-657	12" x 60 ATB&R	.086	.126	15°	1"	10	10	8	8	na	na	na	na	na	na	F	F	F
35-671	14" x 24 FT	.110	.157	20°	1"	10	10	8	na	na	na	na	na	na	na	M		
35-672	14" x 42 ATB	.110	.157	15°	1"	10	10	8	8	8	6	na	na	4	6		M	F
35-673	14" x 72 ATB	.110	.157	12°	1"	9	9	8	8	7	6	na	na	5	7		F	F
35-674	14" x 84 TC&F	.110	.173	10°	1"	8	7	5	4	5	3	na	10	na	10		M	F
35-675	14" x 84 ATB	.110	.173	12°	1"	6	5	6	10	10	8	na	na	na	6		M	F
35-676	14" x 108 TC&F	.110	.173	10°	1"	5	5	7	7	9	10	na	na	na	10		F	F
35-677	14" x 108 ATB	.110	.173	8°	1"	5	6	7	10	9	4	na	na	na	9		M	F
35-691	16" x 36 FT	.126	.173	20°	1"	10	10	8	8	na	na	na	na	na	na	M		
35-692	16" x 48 ATB	.126	.173	15°	1"	10	10	8	8	8	6	na	na	4	6		M	F
35-693	16" x 60 ATB	.126	.173	10°	1"	7	7	9	9	7	6	na	na	na	na		M	M
35-694	16" x 60 TC&F	.126	.173	10°	1"	9	9	8	8	8	7	na	na	7	10		F	F
35-695	16" x 80 ATB	.126	.173	10°	1"	9	9	8	8	7	6	na	na	5	7		F	F
35-696	16" x 96 ATB	.126	.173	10°	1"	6	5	6	10	10	8	na	na	na	6		M	F
35-697	16" x 96 TC&F	.126	.173	10°	1"	8	7	5	4	5	3	na	10	na	10		M	F
35-698	16" x 128 TC&F	.126	.173	10°	1"	5	5	7	7	9	10	na	na	10	na		F	F

Gang Rip and Single Rip Saws (very fast feed rate)

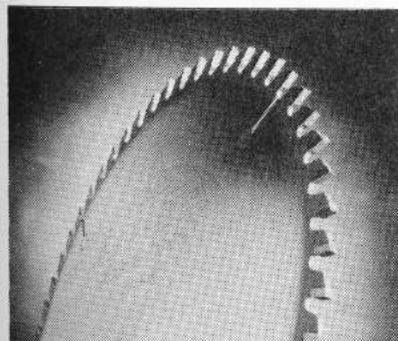
35-610	10" x 10 FT	.086	.126	20°	5/8"	10	10	8	8	na	na	na	na	na	na	C		
35-640	12" x 12 FT	.086	.142	20°	1"	10	10	8	8	na	na	na	na	na	na	C		
35-670	14" x 14 FT	.110	.157	20°	1"	10	10	8	8	na	na	na	na	na	na	C		
35-690	16" x 16 FT	.126	.173	20°	1"	10	10	8	8	na	na	na	na	na	na	C		

Industrial Thin Kerf Carbide-Tipped Circular Saw Blades

35-750	8" x 34 ATB	.063	.086	12°	5/8"	10	10	8	8	8	6	na	na	10	5	F	M	M
35-751	8" x 64 ATB	.063	.086	10°	5/8"	10	10	10	10	9	8	na	na	8	10		F	F
35-752	10" x 40 ATB	.063	.094	12°	5/8"	9	9	9	9	8	7	na	na	na	na		M	M
35-753	10" x 60 ATB	.063	.094	12°	5/8"	8	8	9	9	10	8	na	na	na	8		M	F
35-754	10" x 80 ATB	.063	.094	10°	5/8"	8	8	9	10	10	5	na	na	na	10		F	F
35-755	12" x 48 ATB	.063	.094	12°	1"	9	9	9	9	7	6	na	na	na	na		M	M
35-756	12" x 72 ATB	.063	.094	12°	1"	8	8	8	10	10	8	na	na	na	8		M	F
35-757	12" x 96 ATB	.063	.094	10°	1"	8	8	9	10	10	5	na	na	na	10		F	F

F = Fine M = Medium C = Coarse

Ten (10) rating indicates blade works best cutting that type of material.



Industrial Thin Kerf Carbide-Tipped Circular Saw Blades

A line of 8", 10" and 12" diameter blades, in the popular ATB tooth configuration, possessing the same superior features as Delta's standard industrial quality carbide-tipped blades, now in thin kerf design.

Averaging 28% thinner than conventional blades, thin kerf design blades are especially suited for lower horsepower rated saws.



Their thin kerf design makes stock feeding exceptionally smooth, fast and easy; resulting in true, clean, accurate cuts while reducing strain to both machine and operator.

Delta Circular Saw Accessories

Professional Quality Carbide-Tipped Circular Saw Blades

Featuring high-grade tungsten carbide tips - one of the hardest cutting materials known to man. Delta Professional Quality blades will

last up to 75 times longer than steel blades before requiring resharping.

The tungsten carbide tips are individually brazed to high quality steel blanks, carefully checked for uniformity of fit with clearance

angles precision ground for smoothness.

Each step in their manufacturing process is carefully monitored to make Delta Professional Quality Carbide-Tipped Blades the best you can buy.

Cat. No.	Description	Plate	Kerf	Hook	Bore	Application
35-005	6 1/2" x 18 ATB	.060	.105	15°	5/8"	Rip: For fast cutting all types of wood
35-006	6 1/2" x 40 ATB	.060	.105	15°	5/8"	General Purpose: For cutting all types of wood when a finish cut is desired
35-010	7 1/4" x 16 ATB	.060	.105	15°	5/8"	Rip: For fast cutting all types of wood
35-011	7 1/4" x 24 ATB	.060	.105	20°	5/8"	Combination: For cutting all types of wood when a fine cut is desired
35-012	7 1/4" x 40 ATB	.060	.105	15°	5/8"	Cross Cut: For cutting all types of wood when a finish cut is desired
35-020	8" x 24 ATB	.060	.105	15°	5/8"	Combination: For cutting all types of wood when a fine cut is desired
35-021	8" x 40 TC&F	.070	.110	0°	5/8"	Sawbuck, Miter Saw & Radial Saw. For cutting all types of wood, plastics and non-ferrous metals
35-025	8 1/4" x 18 ATB	.060	.105	15°	5/8"	Rip: For fast cutting all types of wood
35-026	8 1/4" x 32 ATB	.060	.105	15°	5/8"	Combination: For cutting all types of wood when a fine cut is desired
35-027	8 1/4" x 35 ATB&R	.070	.110	15°	5/8"	Combination: For cutting all types of wood when a fine cut is desired
35-030	10" x 30 ATB	.070	.125	15°	5/8"	Rip: For fast cutting all types of wood
35-031	10" x 40 ATB	.070	.125	15°	5/8"	Combination: For cutting all types of wood when a fine cut is desired
35-032	10" x 50 ATB&R	.070	.125	15°	5/8"	Combination: For cutting all types of wood when a fine cut is desired
35-033	10" x 60 ATB	.070	.125	10°	5/8"	Cross Cut: For cutting all types of wood when a finish cut is desired
35-034	10" x 60 TC&F	.070	.125	0°	5/8"	Miter Saws & Radial Saw. For cutting all types of wood, plastics and non-ferrous metals
35-035	10" x 80 ATB	.070	.125	10°	5/8"	Finish: For cutting all types of wood when a finish cut is desired

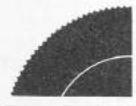
NOTE: * with Diamond Knockout

High Speed Steel Saw Blades



Combination/Rip. For rip and cut-off work. Higher number of teeth gives better quality of cut

Cat. No.	Diameter	Teeth	Arbor Hole
34-531	8"	44	
34-708	9"	44	5/8"
34-105	10"	44	
33-197	12"	44	1"



Thin Rim/Plywood. A special-purpose plywood cutting blade. Thin rim clearance for splinter-free cutting.

Cat. No.	Diameter	Teeth	Arbor Hole
34-534	8"	200	
34-165	9"	200	5/8"
34-166	10"	200	



Rip. Recommended for cutting with the grain in hard or soft woods.

Cat. No.	Diameter	Teeth	Arbor Hole
33-157	8"	28	
34-627	9"	28	5/8"
33-247	10"	28	
33-003	12"	36	



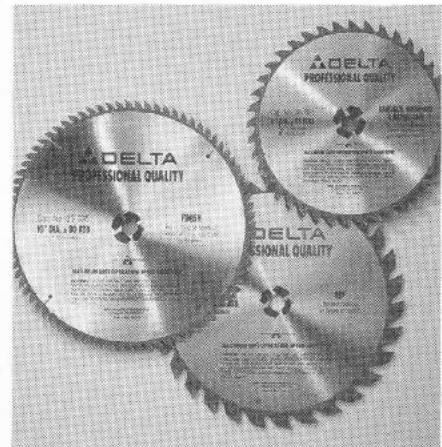
Hollow Ground Planer. All-purpose blade for ripping and cross-cutting and mitering. Gives satin smooth finish; eliminates sanding.

Cat. No.	Diameter	Teeth	Arbor Hole
34-532	8"	12 Sections	
33-227	9"	16 Sections	5/8"
34-016	10"	16 Sections	
33-005	12"	18 Sections	



Crosscut. For cutting across the grain in hard or soft woods when a smoother finish is needed.

Cat. No.	Diameter	Teeth	Arbor Hole
34-533	8"	100	
33-223	9"	100	5/8"
34-018	10"	104	
33-004	12"	112	



Carbide-Tipped Scoring Saw Blades Sets



Matched sets of (14" & 6" diam., 14" and 4" diam. and 10" & 4" diam.) scoring saw blades with flat top shaped teeth for cutting melamine, coreboard, laminates and other manmade materials.

No. 35-680. For 14" Sliding Table Panel Scoring Saw. 14" Dia. x 72T/TC&F and 4" Dia. x 24T/Flat Grind Blades.

No. 35-630. For 10" Scoring Saw. 10" Dia. x 48T/TC&F and 4" Dia. x 24T/Flat Grind Blades.

No. 35-685. For 3.2 Meter Panel Scoring Saw. 14" Dia. x 72T/TC&F and 6" Dia. x 24T/Flat Grind with shims for adjusting kerf.

Individual Scoring Saw Blades

Although not available in set form, a 4" dia. scoring blade in a conical tooth design can be ordered to match either the 14" or 10" main blade. Note also that scoring blades are available separately with 3/4" arbor hole for those who prefer using the 3/4" arbor extension on the 14" Sliding Table Panel Scoring Saw.

Cat. No.	Description	Hook Angle	Kerf	Arbor Hole
35-678	14" Dia. x 72T/TC&F	10	.157"	1"
35-629	10" Dia. x 48T/TC&F	10	.157"	1"
35-583	4" Dia. x 24T/F. G.*	—	.161"	1"
35-584	4" Dia. x 24T/C. G.†	—	.150"- .165"	1"
35-581	4" Dia. x 24T/F. G.*	—	.161"	3/4"
35-582	4" Dia. x 24T/C. G.†	—	.150"- .165"	3/4"
35-684	6" Dia. x 24T/F. G.*	—	Adj. .165"- .188"	22mm

* F. G. - Flat Grind † C. G. Conical Grind

Dado Head Sets



Carbide-Tipped Dado Head Sets. Four stackable dado assemblies consisting of two outer blades ($\frac{1}{8}$ " thick) and four inside chippers ($1\frac{1}{4}$ " thick; $2\frac{1}{8}$ " thick and $1\frac{1}{16}$ " thick) in 6" and 8" diameter sets with $\frac{5}{8}$ " arbor hole and 8" and 10" diameter with 1" arbor hole; all complete with sturdy wood storage case. Cut grooves from $\frac{1}{8}$ " to $\frac{13}{16}$ " wide. Individual replacement blades and chippers also available separately. No. 35-560, 35-570 and 35-540 Dado Head Sets are not recommended for use on 9" and 10" table saws. No. 35-540 not recommended for DE-40 Panel/Scoring Saw.

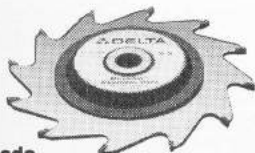
Cat. No.	Description	Outer Blades		Inside Chippers		
		$\frac{1}{8}$ " Thk. L.S.	$\frac{1}{8}$ " Thk. R.S.	$\frac{1}{4}$ " Thk.	$\frac{1}{4}$ " Thk.	$\frac{1}{4}$ " Thk.
35-550	6" Dia. w/ $\frac{5}{8}$ " Arbor Hole	35-551L	35-551R	35-552	35-553	35-554
35-560	8" Dia. w/ $\frac{5}{8}$ " Arbor Hole	35-561L	35-561R	35-562	35-563	35-564
35-570	8" Dia. w/1" Arbor Hole	35-571L	35-571R	35-572	35-573	35-574
35-540	10" Dia. w/1" Arbor Hole	35-541L	35-541R	35-542	35-543	35-544



No. 34-333 Production Type 6" Dia. Dado Head Set. High quality steel. Consisting of two hollow ground outer blades ($\frac{1}{8}$ " thick) and five inside cutters (four $\frac{1}{8}$ " thick and one $\frac{1}{16}$ " thick). With $\frac{5}{8}$ " arbor hole. Cuts grooves from $\frac{1}{8}$ " to $\frac{13}{16}$ " wide. 3 $\frac{1}{2}$ lbs.

No. 34-334 Economy 6" Dia. Dado Head Set. High quality steel. Consisting of two flat ground outer blades ($\frac{1}{8}$ " thick) and five inside cutters (four $\frac{1}{8}$ " thick and one $\frac{1}{16}$ " thick). With $\frac{5}{8}$ " arbor hole. Cuts grooves from $\frac{1}{8}$ " to $\frac{13}{16}$ " wide. 4 lbs.

No. 34-959 Micro-Set™

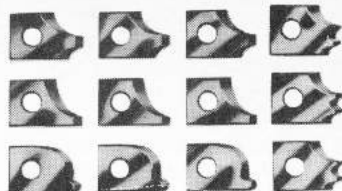
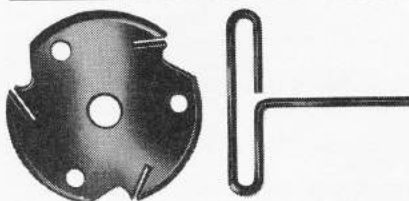


Adjustable Dado.

For ploughing, rabbeting, grooving or making decorative cuts. Adjusts without removing dado from saw arbor. You just dial the width of cut you want from $\frac{1}{4}$ " to $\frac{13}{16}$ ". Depth of cut can be set to a maximum of $\frac{3}{4}$ " deep. The supplied $6\frac{3}{8}$ " blade, with $\frac{5}{8}$ " arbor hole, has 12 carbide tips for cutting wood and plastic laminates smoothly and accurately many times. Supplied in a sturdy plastic carrying case. 2 lbs.

NOTE: Do not use on machines exceeding 7000 RPM.

Moulding Cutterhead Sets



No. 34-813 Heavy Duty Moulding Cutterhead & Knife Set. Includes No. 34-562 cutterhead, No. 34-521 wrench and Nos. 35-102, 35-103, 35-221 and 35-222 cutterhead knives. For use on $\frac{1}{2}$ " and $\frac{5}{8}$ " dia. arbors. 4 lbs.

No. 34-821 Basic Moulding Cutterhead & Knife Set. Includes No. 34-562 cutterhead. No. 34-521 wrench and No. 35-102 set of knives. For use on $\frac{1}{2}$ " and $\frac{5}{8}$ " dia. arbors. 3 lbs.

No. 34-562 Moulding Cutterhead. Heavy duty, solid steel. For use on $\frac{1}{2}$ " and $\frac{5}{8}$ " arbors. Less wrench and knives. 3 lbs.

No. 34-941 Moulding Cutterhead. Heavy duty, solid steel 6" diameter, to fit 1" or $1\frac{1}{8}$ " saw arbors. Less wrench and knives. 10 lbs.

No. 34-521 Wrench. For moulding cutterhead. $\frac{1}{8}$ lb.

Moulding Cutterhead Knife Sets

With a Moulding Cutterhead and these 32 sets of knives you can cut thousands of different mouldings on your circular saw.

Knife sets can be used with all Delta Moulding Cutterheads.

Each set consists of three knives. Knives are shown $\frac{3}{8}$ size.

35-100
 $\frac{1}{2}$ " Cove,
 $\frac{5}{16}$ " Quarter Round

35-101
 $\frac{3}{16}$ " Cove,
 $\frac{3}{8}$ " Bead

35-102
 $\frac{1}{8}$ " and $\frac{3}{8}$ " Quarter Round and $\frac{1}{4}$ " Bead

35-103
 $\frac{1}{4}$ " and $\frac{1}{2}$ " Quarter Round

35-104
Straight

35-106
90° V-Groove

35-110
Drawer Joint

35-120
Ogee

35-121
Window Sash

35-123
Door Moulding (m)

35-126
Door Moulding (f)

35-131
Glue Joint

35-190
3 Bead ($\frac{3}{16}$ " Bead)

35-196
Wedge Tongue

35-197
Wedge Groove

35-198
Table Edge

35-201
 $\frac{1}{2}$ " Flute

35-202
 $\frac{1}{2}$ " Bead

35-204
 $\frac{3}{4}$ " Flute

35-211
1" Flute

35-221
Thumb Moulding

35-222
 $\frac{1}{2}$ " Cove & $\frac{1}{4}$ " Flute

35-223
Ogee

35-224
 $\frac{5}{8}$ " Cove

35-236
 $\frac{5}{8}$ " Flute

35-237
 $\frac{5}{8}$ " Bead

35-238
 $\frac{3}{4}$ " Bead

35-241
 $\frac{1}{4}$ " Tongue

35-242
 $\frac{1}{4}$ " Groove

35-243
Cove & Bead Moulding

35-245
Oval Sash

35-247
Door Lip

Delta Circular Saw Accessories (continued)

For RT-40 14" T.A. Saw

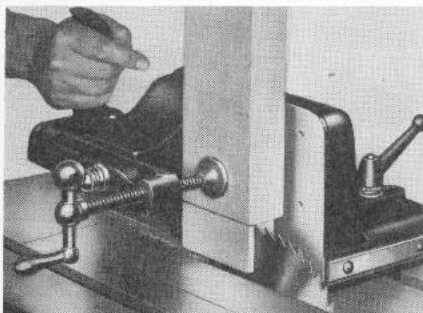
No. 34-796 Extra Long Guide Rails. Permit ripping to the center of a 100" panel. 81 lbs.

For 10" Tilting Arbor Saw

No. 50-278 Mobile Base. For 10" Tilting Arbor Saw including models equipped with Unifence Saw Guide. 80 lbs.

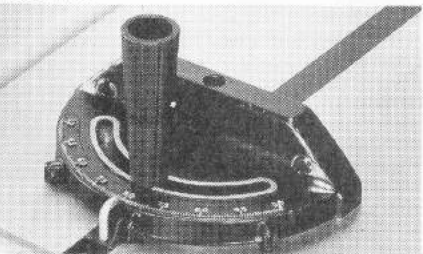
No. 34-658 "See-Thru" Splitter-Mounted Blade Guard. Complete with spring-loaded anti-kickback fingers. 6 lbs.

For All 10" Saws

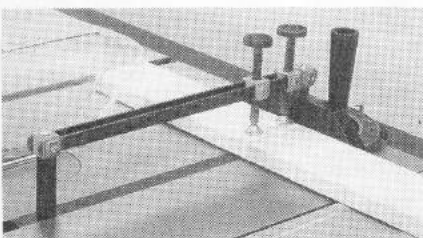


No. 34-172 Tenoning Attachment. Simplifies operation of cutting tenons for mortise and tenon joints. Stock can be fed with one hand—far removed from saw blade(s). Handles stock up to 2 3/4" thick. Base plate included. 30 lbs.

No. 34-171 Spacer Collars. Set of two: 1/4" and 3/8" widths with 5/8" arbor hole. For spacing saw blades to cut tenons in one pass. 1 lb.



No. 34-895 Auto-Set® Miter Gage. For straight and angle operations. Has 3/8 x 3/4 x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions. Accommodates No. 34-568 Clamp Attachment. 3 1/2 lbs.

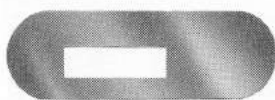


No. 34-568 Clamp Attachment for Miter Gage. Holds work securely for accurate miter and cut-off operations. Complete with clamp bar, front and rear posts and two sliding clamp screws and blocks. For use with No. 34-895 Miter Gage. 1 1/2 lbs.

Table Saw Inserts



Dado head insert



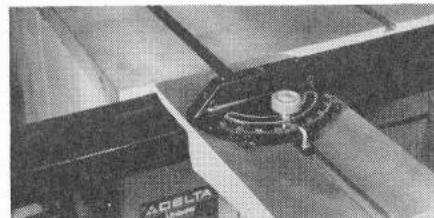
Moulding cutterhead insert

Model	Standard	Dado	Moulding Cutterhead
10" Unisaw®	34-154	34-254	34-453
10" Contractor's Saw & 10" Tilting Arbor Saw	34-154	34-254	34-453
8 1/4" Builders Saw	34-327	34-328	34-329

No. 34-873 Extra Clamp Screw and Block Only. For use with No. 34-568 Clamp Attachment. 1/2 lb.

No. 43-170 Tenoner for use with No. 43-186 Sliding Jig. Can also be used on wood shaper. 21 lbs.

No. 34-472 Extra Long Guide Bars. Permit ripping to the center of 100" panel. Standard guide bars furnished with machine are used as supports for Extra Long Guide Bars. 22 lbs.

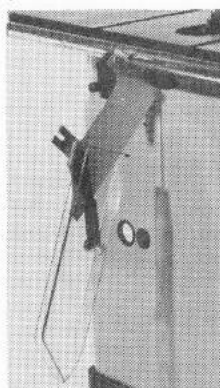


No. 34-869 Miter Gage Extension. For Delta 10" Saws equipped with Unifence Saw Guide. Mounts to front guide rail of Unifence to increase cut-off capacity of saw by 13". Includes table, mounting hardware and instructions.

For 10" UNISAW®

No. 34-545 Side Extension Wings to make table 36 x 27" (per pair). 49 lbs.

No. 34-639 "See-Thru" Swing-Type, Splitter-Mounted Blade Guard. Splitter mounts directly to saw arbor to provide true alignment for all thru-cutting operations. Blade guard swings down, out of the way for dadoing, moulding and other non-thru cutting operations; and back again for all thru cutting jobs.



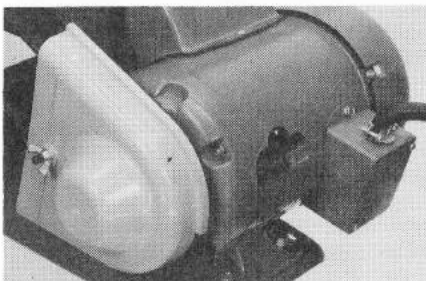
No. 34-829 Motor Cover with mounting hardware. For Unisaw Series 2000 Models. 13 lbs.

No. 34-843 Motor Cover with mounting hardware. For earlier Unisaw models. 13 lbs.

No. 49-124 V-belts, matched set of three, 26 1/16" O.C. 1 1/2 lbs.

No. 50-273 Mobile Base for Unisaw including models equipped with Unifence Saw Guide.

For 10" Contractor's Saw



No. 34-965 Belt Guard. Encloses entire V-belt and motor pulley, preventing small pieces of stock from striking and damaging the belt or pulley during operation. 4 lbs.

No. 50-314 Steel Stand, 24" high with 20 x 22 1/2" top. 47 lbs.

No. 50-277 Mobile Base. For 10" Contractor's Saw on 50-314 Stand. 31 lbs.

No. 34-658 "See-Thru" Splitter-Mounted Blade Guard complete with spring-loaded anti-kickback fingers. 6 lbs.

Dust Collector Connectors

No. 50-220 10" Contractor's Saw Connector. Including mounting screws. Attaches to underside of saw mounted to 50-314 stand. 5" dia. outlet.

No. 50-213 10" Tilting Arbor Saw Connector. Attaches over opening in side of cabinet under motor cover. 5" dia. outlet.

No. 50-243 Unisaw Series 2000 Connector. Attaches over opening in side of cabinet under accessory motor cover. 5" dia. outlet.

No. 50-222 Unisaw Connector. Attaches over opening in base frame of older Delta Unisaws. 5" dia. outlet.

No. 50-237 RT-31 Saw Connector. 3" to 5" dia. increaser with clamping lug on 3" end. Attaches to dust chute of saw.

No. 50-236 RE-35 and RT-40 Saw Connector. 4" to 5" increaser with clamping lug on 4" end. Attaches to dust chute of saw.

No. 50-242 DE-40 Connector Kit. Includes one 5" dia. x 90" hose, one 3" dia. x 144" hose, 5" x 5" x 3" Y-Connector; clamps and Velcro fasteners. Attaches to dust chute of saw and saw guard.

For adapters and quick disconnects, see Dust Collectors.

Delta Specialty Saws

Deluxe Sawbuck Frame and Trim Saw

Combination miter box/radial saw. Cross-cuts, miters, bevels, cuts compounds.

10" Motorized Miter Box

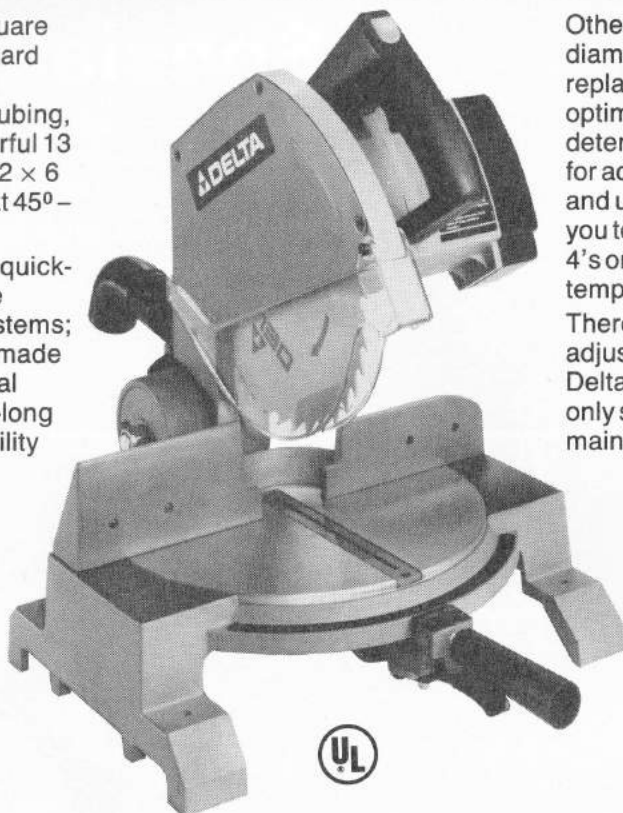
For fast, accurate miter and square cuts in a variety of materials.



Delta 10" Motorized Miter Box

For fast, accurate miter and square cuts in a variety of materials – hard and soft woods; mouldings, aluminum extrusions, copper tubing, plastic pipe and more. Its powerful 13 amp motor lets you cross-cut a 2 x 6 or miter a 2 x 4 flat or on edge at 45° – all in a single pass.

An exclusive drive system with quick-change cog belt, eliminates the costly repairs of gear driven systems; replacement of the belt can be made right on the job site, with minimal down-time. Independent extra-long arbor adds greater cutting stability and accuracy.



Other features include a big 12" diameter rotating table with a replaceable cut-through insert for optimum chip breaking; positive detents at 90°, 45° and 22½° R and L for accurate cutting repeatability, and unique base design that allows you to position it over a couple of 2 x 4's on saw horses to make a temporary workbench.

There's even an exclusive heeling adjustment feature that makes the Delta 10" Motorized Miter Box the only saw that can be realigned to maintain true cutting accuracy.

Catalog Listing



No. 34-080 10" Motorized Miter Box.

Includes basic machine, 13 amp, 115V, 60 Hz motor, 10" all-purpose steel blade, replaceable table insert, see-thru blade guard, 5-foot cord, wrenches and instruction manual.

Machine Data

Motor 13 amp, develops up to 2.5HP,
115V, 25-60 Hz, AC-DC

Blade:

Diameter 10" (254.0mm)

Arbor 5/8" (15.8mm)

Speed 4500 RPM (under avg. load)

Capacity:

Cross Cut 2½ x 5¾" (63.5 x 146.0 mm)
3½ x 4¼" (88.9 x 104.6 mm)

Miter 45° R&L 3½ x 2⅞" (99.9 x 72.9 mm)
2⅞ x 4" (60.2 x 101.6 mm)

Miter 22½° R & L 3½ x 3¾"
(88.9 x 95.3mm)
2½ x 5¼" (63.5 x 133.4mm)

Fence Size: . . 3⅞ x 6¾" (85.7 x 171.4mm) L
2½ x 6¾" (63.5 x 171.4mm) R

Table Size: . . 16⅞ x 4⅜" (409.4 x 106.2mm)

Positive Stops: 90°, 45° and 22½° R & L

Overall Dimensions:

. 18⅞" wide x 22" deep x 16⅞" high
(466.6 x 558.8 x 428.4mm)

Weight 55lbs. (24.9 kg.)

Delta Quality Features



Unique Base Design. Allows you to position the tool over a couple of 2 x 4's on saw horses to make a temporary workbench. Lengthen

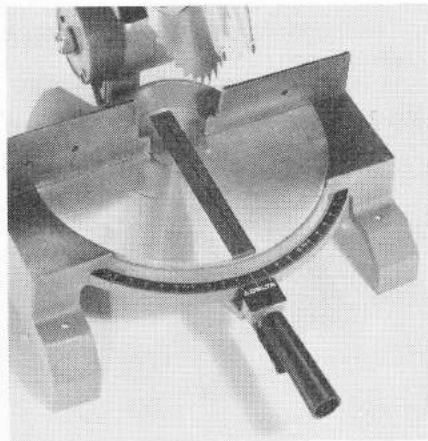
the 2 x 4's and add scrap blocks and you've got a custom-made extension table.

Heavy-
2.5HP
a 2 x 6
45°-in

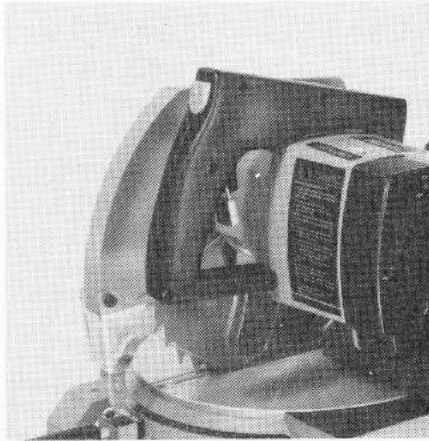
Delta C



Heavy-Duty 13 Amp Motor. Develops up to 2.5HP under load. Plenty of power to crosscut a 2 x 6 at 90° or miter a 2 x 4, flat or on edge, at 45° - in a single pass.

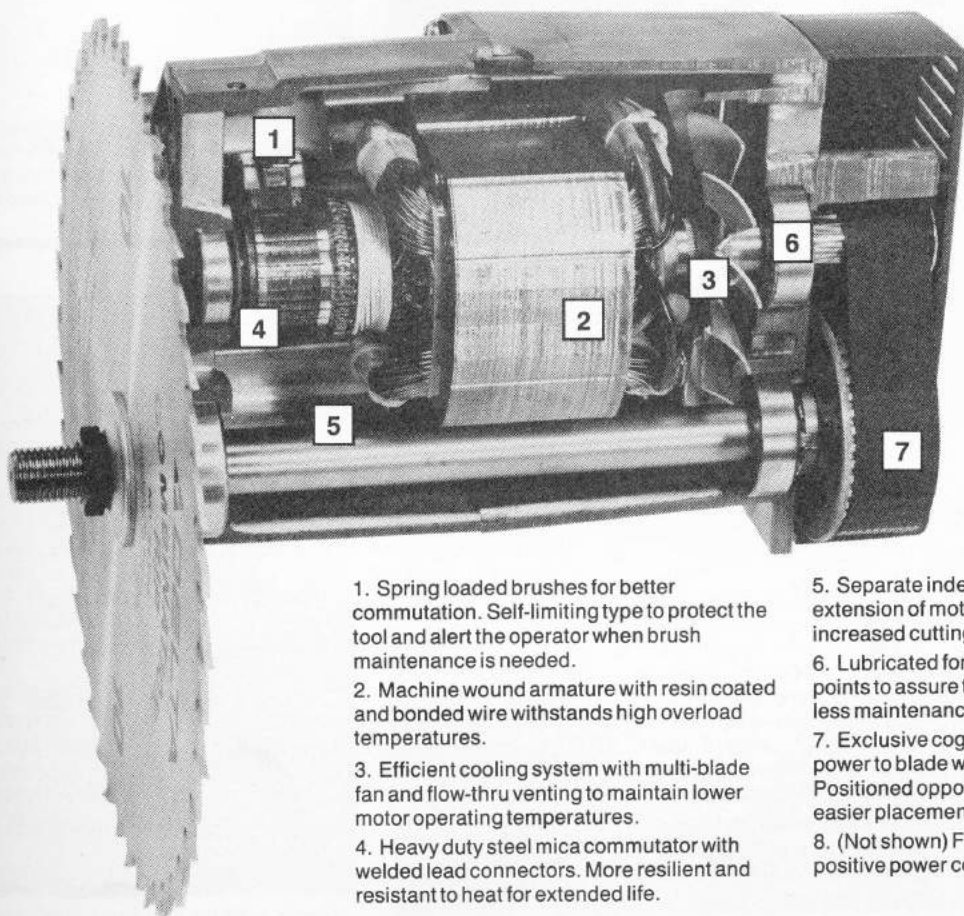


Big 12" Diameter Rotating Table. Features positive detents at 90°, 45° and 22½° R & L positions. Easy-to-read scale, accurate to ¼ of a degree, facilitates in-between settings. Extra-wide fence provides extra support when cutting wide crown mouldings.



Comfortable D-Handle. With fingertip control of the on-off trigger switch and brake button. Selective brake stops the blade in seconds for faster set up. Trigger switch can be locked to prevent unauthorized use.

Delta Quality and Craftsmanship Go Into Every Tool We Make



1. Spring loaded brushes for better commutation. Self-limiting type to protect the tool and alert the operator when brush maintenance is needed.
2. Machine wound armature with resin coated and bonded wire withstands high overload temperatures.
3. Efficient cooling system with multi-blade fan and flow-thru venting to maintain lower motor operating temperatures.
4. Heavy duty steel mica commutator with welded lead connectors. More resilient and resistant to heat for extended life.

5. Separate independent saw arbor (not an extension of motor shaft) for greater stability; increased cutting accuracy.
6. Lubricated for life ball bearings at vital wear points to assure trouble free performance with less maintenance.
7. Exclusive cog belt drive for maximum power to blade with minimum belt slippage. Positioned opposite the blade for faster, easier placement.
8. (Not shown) Full 16 Amp rated switch for positive power control and longer unit life.

Delta Deluxe Sawbuck® Frame and Trim Saw

Combination Miter Box/ Radial Saw. Crosscuts, miters, bevels; cuts compound angles

With this remarkable tool on the job, two things builders, contractors and remodelers may not need as often are a miter box and a radial saw. Because this saw, like the original Sawbuck Frame and Trim Saw, can handle most all the jobs they can. All by itself.

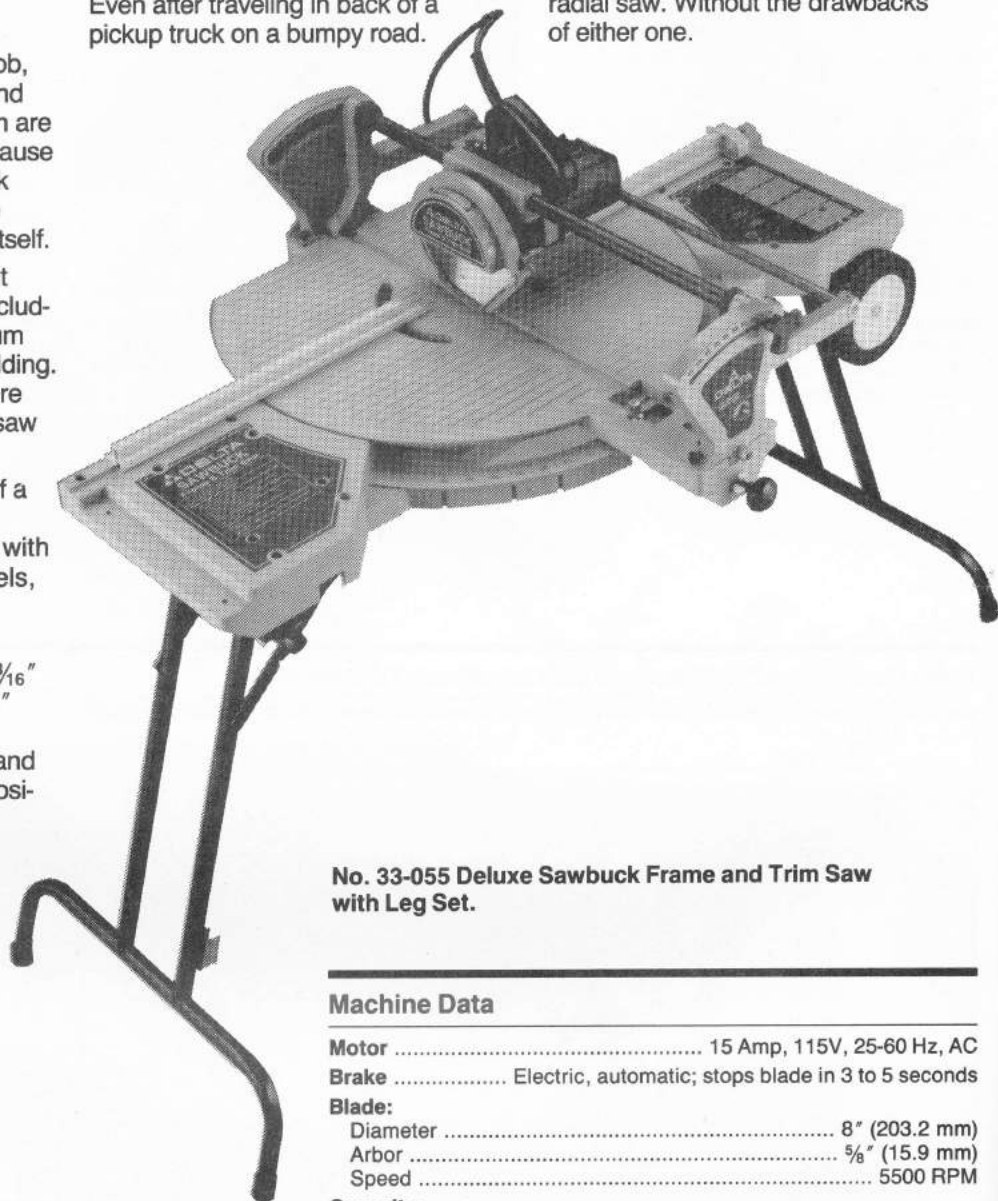
The Sawbuck will make just about any cut on any stock up to-and including-2 x 12's. Trim vinyl or aluminum siding. Compound cut crown moulding. Even make dado cuts. Fact is there isn't much you can't do with this saw except rip.

Use it flat, right on the tail gate of a pickup truck. Prop it up on saw-horses. Or, if you prefer, order it with fold-up legs, equipped with wheels, and get roll-away portability.

It's easy to be accurate with the Sawbuck. You've got a large 29¹³/₁₆" diameter miter scale with a full 1/4" between degree markings. With positive stops at 0°, 22¹/₂°, 45° L and R settings and a special 31.62° position for cutting crown moulding. There's even an up-front bevel scale for quick, easy 0° to 45° tilt settings. Plus a fixed left and right saw fence with convenient cut-off scale and an adjustable stock stop for repetitive cut-off operations.

And because the cutting head's two guide rails are supported at both ends, this remarkable tool maintains its accuracy like no radial saw can. Even after traveling in back of a pickup truck on a bumpy road.

Why not put this tough guy to work for you. You'll find that it does everything that a power miter box can. Plus everything you could ask of a radial saw. Without the drawbacks of either one.



No. 33-055 Deluxe Sawbuck Frame and Trim Saw with Leg Set.

Machine Data

Motor 15 Amp, 115V, 25-60 Hz, AC
Brake Electric, automatic; stops blade in 3 to 5 seconds

Blade:

Diameter 8" (203.2 mm)
Arbor 5/8" (15.9 mm)
Speed 5500 RPM

Capacity:

Cut-Off at 90° 16" (406.4 mm)
Cut-Off at 45° 12" (304.8 mm)
Depth of Cut at 90° 2 3/4" (69.85 mm)
Depth of Cut at 45° 1 3/4" (44.45 mm)
Dado 1 3/16" (20.64 mm) Width Using 6" Diameter Stackable Type

Cutting Head Height Adjustment 1 1/4" (31.75 mm) Maximum

Table:

Diameter of Cutting Surface 28 1/2" (723.9 mm)
Extension on Both Sides of Table 11 3/4" (298.45 mm)
Overall Length 52" (1320.8 mm)
Height (On Legs) 35 1/4" (895.35 mm)

Fences: 23" (584.2 mm) R & L of Blade

Positive Stops:

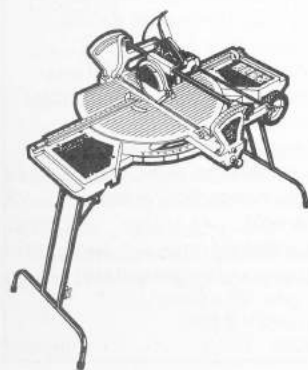
Miter 0°, 22¹/₂°, 31.62° & 45° R & L

Overall Dimensions

(On Legs) 37" x 67 1/2" x 47" (939.80 x 1714.5 x 1193.8 mm)

Weight 78 lbs (35.4 Kg)

Catalog Listing

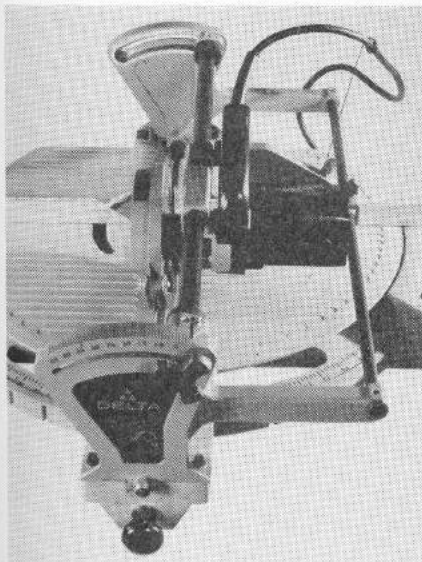


No. 33-050 Sawbuck Frame & Trim Saw. Includes basic machine with 15 Amp, 115 V, 25-60 Hz, AC motor with electric automatic brake; 6-foot electrical cord; blade guard with retractable leaf guard, 8" diam. crosscut saw blade, blade wrench and instruction manual.

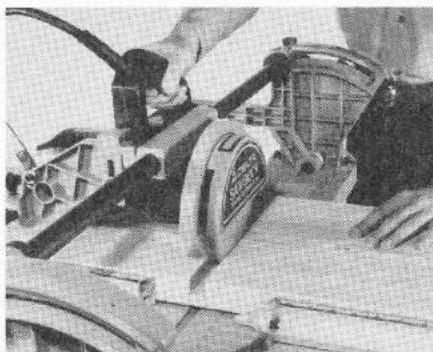
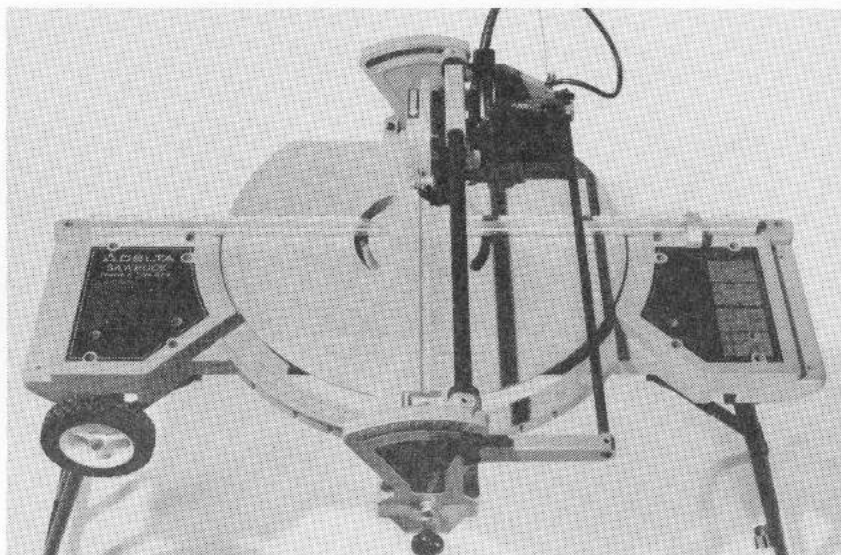
No. 33-055 Sawbuck Frame and Trim Saw with Leg Set. Same as 33-050 except includes 33-053 Leg Set.

It's Attention to Detail that Makes the Deluxe Sawbuck® Frame and Trim Saw Better than Ever!

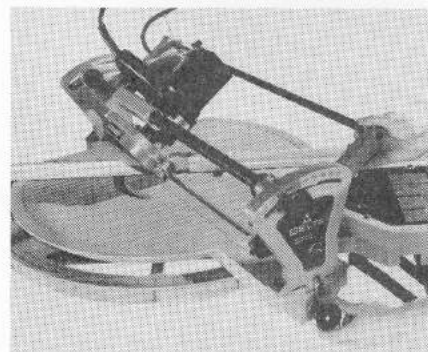
Tough, Durable SMC Material. Table is made of space-age SMC. A new, reinforced polyester resin compound, that prevents warping, springing or rusting.



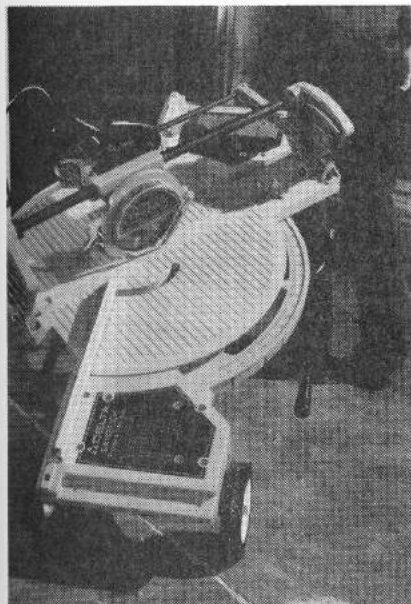
Easy, Accurate Angle Cutting. Special 31.62° miter stop and 33.85° bevel setting facilitates compound cutting standard 52°/32° crown moulding.



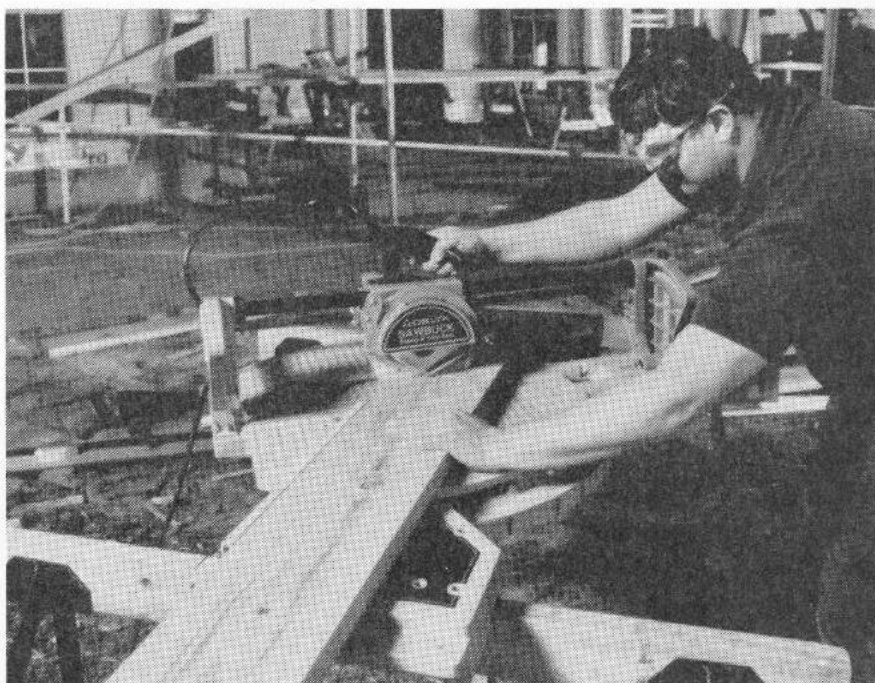
Extra-Job Versatility. Deluxe Sawbuck accommodates accessory 6" dia. stackable type dado head to cut grooves up to 1 3/16" wide.



Simple and Fast Set-Up. Table rotates with track arm for mitering. Motor tilts around a common table-level pivot point for beveling.



Portable. Fold-up legs with roll-away wheels, increase the mobility of the Deluxe Sawbuck



Job-Site Convenience. Deluxe Sawbuck table is slotted to fit dimensional 2 x 4 lumber. It can be positioned on saw horses for job-site use.

Accessories

For 10" Motorized Miter Box

No. 34-085 Replacement Cog Belt.

No. 35-619 Carbide-Tipped 10" Dia. x 60 TC&F x $\frac{5}{8}$ " Saw Blade. With negative hook angle. For cutting non-ferrous metals, plastics; also finish cutting of hard and soft woods.

No. 35-625 Carbide-Tipped 10" Dia. x 80 TC&F x $\frac{5}{8}$ " Saw Blade.

Extremely fine finish cutting of non-ferrous metals, hard and soft woods.



No. 34-084 Dust Bag. Attaches to dust spout of blade guard.

For Deluxe Sawbuck® Frame and Trim Saw

No. 33-052 3-Foot Fence Extension & Support. For Model 33-050. For convenience in cutting extra-long stock.

No. 33-053 Leg Set. For Model 33-050. Includes fold-up legs with two $7\frac{5}{16}$ " dia. wheels and mounting hardware. For roll-away portability.

No. 33-153 Stock Stop. Attaches to fence, for repetitive cut-off work.

No. 35-593 Carbide-Tipped 8" Dia. x 48 TC&F x $\frac{5}{8}$ " Saw Blade. With negative hook (-6°) angle for use on "pendulum" type machines whose cutting action is contrary to workfeed. For cutting hard and soft woods; non-ferrous metals; also plastics.

No. 35-590 Carbide-Tipped 8" Dia. x 48 TC&F x $\frac{5}{8}$ " Saw Blade. With 5° positive hook angle for sizing and mitering non-ferrous metal and plastic tubes and profiles.

No. 35-591 Carbide-Tipped 8" Dia. x 24 ATB x $\frac{5}{8}$ " Saw Blade. For cutting soft and hardwoods.

No. 35-592 Carbide-Tipped 8" Dia. x 64 ATB x $\frac{5}{8}$ " Saw Blade. A trimming and parting blade for plastic laminates, veneers, compositions and other hard fiber materials.

Delta Radial Saws

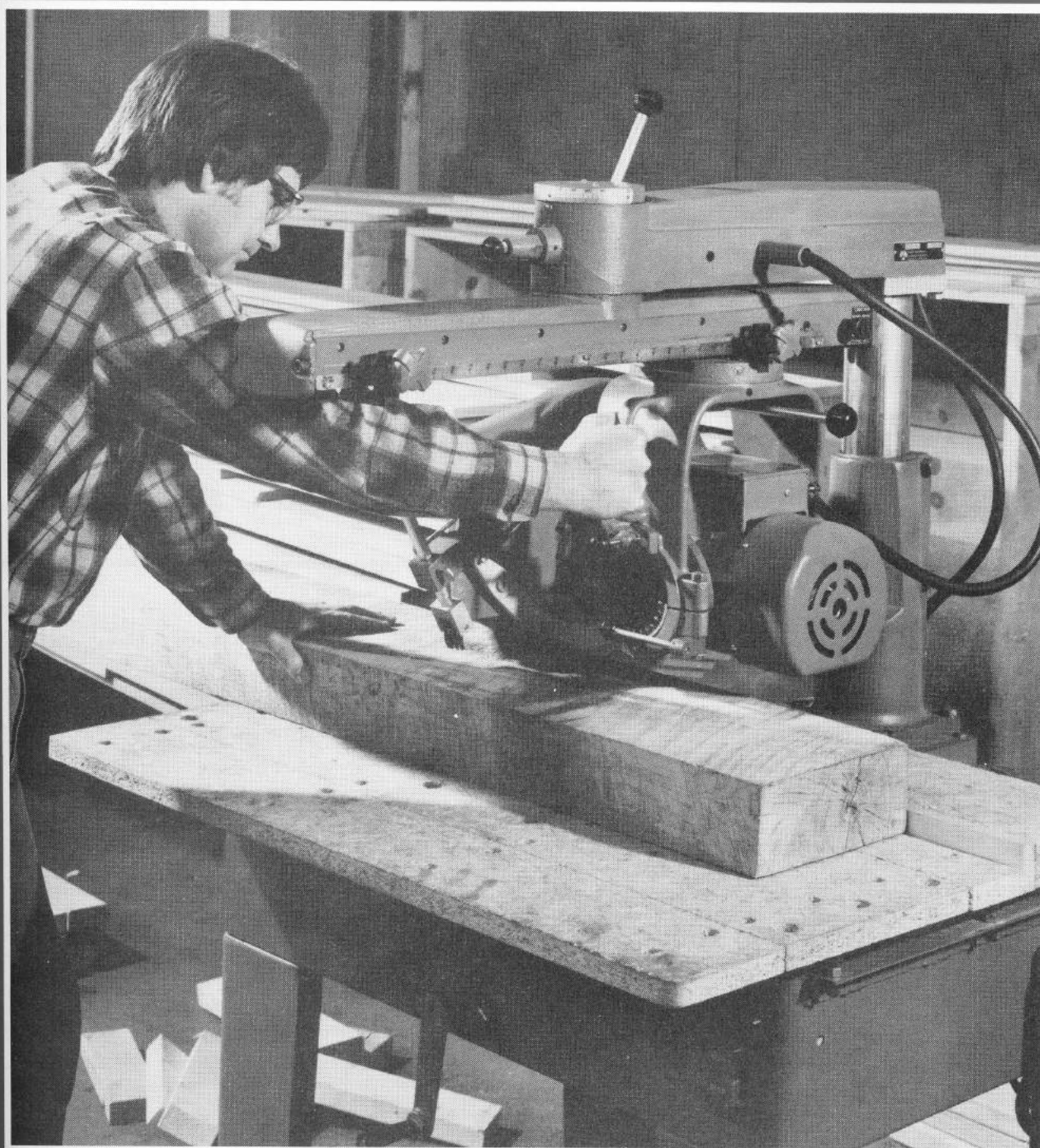
A model to satisfy every user!

18" Radial Saw—built for high production and continuous operation. Offers extra large capacities as required in lumber mills and shipyards.

16" Radial Saw—designed for continuous, accurate production cutting. Has an extra long overarm and spacious table to handle big cutting jobs.

14" Radial Saw—a high volume production performer that's well suited for either job site or shop use. Has same fine features as 16" Model.

12" Radial Saw—a portable unit that can be easily carried through a standard doorway to maximize profits on the job site as well as in the plant.



Delta 18", 16" and 14" Radial Saws

**Designed for faster,
more accurate cutting
...lower operating costs!
Ruggedly built for years
of dependable saw
performance!**

Whatever your operation—production line cutting in the shop or sizing stock out on the job site—Delta Radials will perform superbly for you. Their superior features make it all possible. Only Delta gives you "turret-arm" action for centralized cutting; an electronic brake that stops the blade in seconds; lifetime track rods for continued cutting accuracy; convenient,

"up-front" operating controls for easier, safer operation—plus all the power, precision and capacity to handle any job.

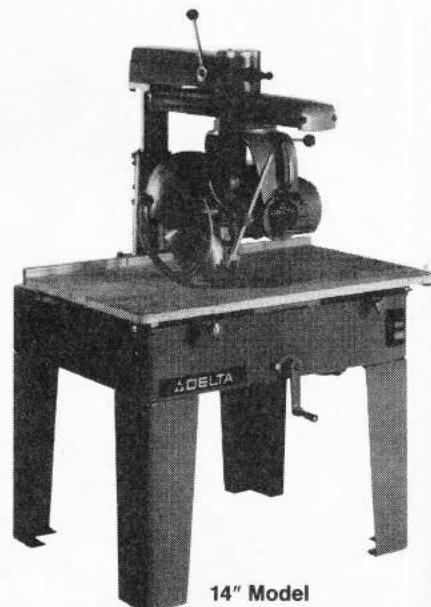
These are just a few reasons why Delta Radials are satisfying the daily needs of industrial users, home builders and prefabricators, lumber yards and woodworking shops everywhere.



18" Model



16" Model



14" Model



Complete Radial Saws, including TEFC motor with automatic electronic brake; 18", 16" or 14" blade guard with anti-kickback attachment; retractable leaf guard; 18", 16" or 14" combination blade; rip position lock for carriage; adjustable crosscut stop and steel legs.

Catalog Number	Size	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage
33-061	18"	1 Phase 5 HP	24 V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	230
33-062	18"	3 Phase 7½ HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	†230/460
33-063	18"	3 Phase 5 HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	200
33-071	16"	1 Phase 3 HP	24 V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	230
33-072	16"	3 Phase 5 HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	†230/460
33-073	16"	3 Phase 5 HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	200
33-081	14"	1 Phase 3 HP	24 V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	230
33-082	14"	3 Phase 5 HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	†230/460
33-083	14"	3 Phase 5 HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	200

NOTE: Single phase electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. 575 V, 5 HP, three phase electricals are available at the same prices as those shown for 200 V electricals.

†No. 49-010 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 33-062, 33-072 or 33-082, in order to obtain radial saw with "JIC" type electricals, factory mounted and wired.

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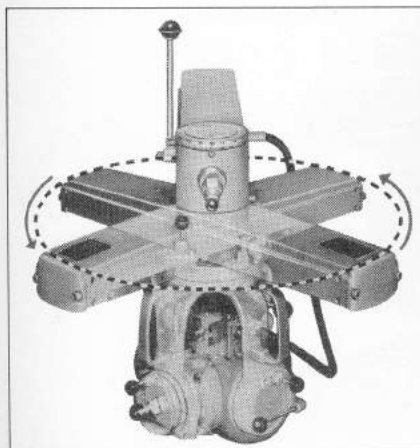
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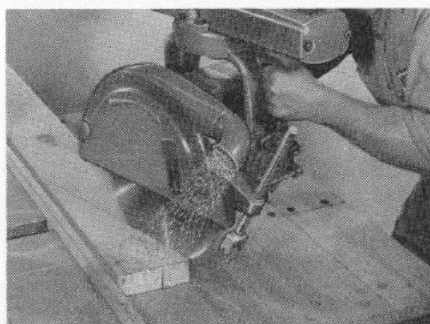
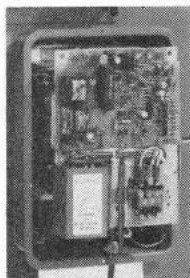
* Using one s
2 1/4" (52.3)

Quality Features for Delta 18", 16" and 14" Radial Saws

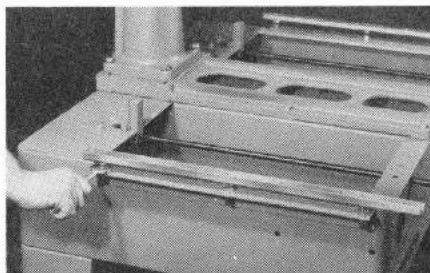


Famous Delta Double Overarm Action. This preferred construction permits the saw blade to rotate a full 360° above the work table—gives full table capacity for left and right-hand miters.

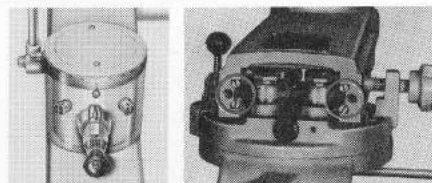
Automatic Electronic Brake. When the motor "stop" button is actuated, the electronic brake stops the blade automatically in seconds. This eliminates excessive blade coasting, enabling production schedules to be maintained. Split saw arbor nut prevents blade from loosening when brake is actuated.



Extra Left-Hand Miter Capacity. Delta famous "turret arm" action lets you cut in any direction above the table. Here, the operator cuts the lower chord (2 x 6") of a low pitch roof truss, 1/8 pitch (4-12), on the 16" Model. (Note: Leaf guard removed to aid in photo clarity.)



Positive Table Leveling Jacks—Massive Frame Construction. Six easy-to-adjust leveling jacks assure sustained table accuracy. The extra deep channel, unitized base, which is rigidly reinforced by the cast iron center piece, guarantees continuous alignment of the entire machine.



Exclusive "Micro-Set" Miter Stops. Only Delta gives you individually adjustable positive stops. When required, each setting can be quickly adjusted to assure perfect 90° and 45° cuts for the life of the saw.

Lifetime Trackways. Delta Radial Saws feature lifetime track rods with glass-smooth, hardened surfaces that minimize roller friction. They can be easily rotated to provide a new surface, providing precision cutting accuracy for the life of the machine.

Delta Quality Extras

Convenient, "Up-Front" Operating Controls. Every control, lever and scale is within easy reach for safer operation. Positive stops at most-used positions and accurately calibrated scales for in-between settings eliminate guesswork, make it easy to set up operation.

Extra Powerful Motors. The motor on every Delta Radial Saw is quality built to deliver extra power for handling the toughest cutting jobs.

Safe Blade Guard Design. Unlike some competitive models, the blade guard on Delta Radial Saws covers the entire saw spindle for increased safety.

Machine Data

Models	18" Radial Saw	16" Radial Saw	14" Radial Saw
Motor HP and Speed	5 and 7 1/2 HP/3450 RPM	3 and 5 HP/3450 RPM	3 and 5 HP/3450 RPM
Crosscut Cap.—1" (25.4mm) stock	23 1/4" (590.6mm)	23" (584.2mm)	17 3/4" (450.9mm)
Miter Cap.—1" (25.4mm) stock			
at 45° Left	19 1/2" (495.3mm)	19 1/2" (495.3mm)	14 1/4" (361.9mm)
and 45° Right	11" (279.4mm)	11" (279.4mm)	5 3/4" (146.1mm)
Maximum Out Rip Capacity	37 3/4" (958.9mm)	37" (939.8mm)	30 3/4" (781mm)
Maximum Depth of Cut, approx.			
(less leaf guard)	6" (152.4mm)	5" (127mm)	4 1/8" (104.8mm)
Maximum Depth of Cut, approx.			
(with leaf guard)	4 5/8" (117.5mm)	4 3/4" (120.7mm)	3 3/8" (85.7mm)
Maximum Depth of Cut at 45° Bevel, approx.(less leaf guard)	3 3/4" (95.3mm)	2 1/2" (63.5mm)	2 5/8" (66.7mm)
Maximum Depth of Cut at 45° Bevel, approx.(with leaf guard)	3 9/16" (90.5mm)	2 1/4" (57.2mm)	3/4" (19mm)
Dado Capacity:			
With 12" (304.8mm) dado	2 1/16" (52.3mm) wide	2 1/8" (53.9mm) wide†	1 7/8" (47.6mm) wide‡
With 10" (254mm) dado	N/A	1" (25.4mm)	1" (25.4mm)
Diameter Saw Arbor	1" (25.4mm)	0", 45° and 90°	0", 45° and 90°
Bevel Positive Stops	0°, 45° and 90°	90° and 45°, R & L	90° and 45°, R & L
Miter Positive Stops	90° and 45°, R & L	56" (1422.4mm)	56" (1422.4mm)
Overall Height	62" (1574.8mm)	32" x 42" (812.8 x 1066.9mm)	26" x 42" (680.4 x 1066.8mm)
Wood Table Top	29" x 44" (736.6 x 1117.6mm)	32" (812.8mm)	32" (812.8mm)
Height Table Top	32" (812.8mm)	610 lbs. (276.7 kg.)	600 lbs. (272.2 kg.)
Shipping Weight (approx.)	810 lbs. (367.4 kg.)		

* Using one standard flange on motor side of shaft, capacity is 1 7/8" (47.6 mm). To obtain 2 1/16" (52.3 mm) dado capacity, use one flange, No. 33-814, on motor side of shaft.

† Using no flanges, dado capacity is 2 1/8" (53.9 mm); using one standard flange on motor side of shaft, dado capacity is 1 7/8" (47.6 mm).

‡ 1 7/8" (47.6 mm) dado capacity is obtained using only standard flange on motor side of shaft.

Delta 12" Radial Saw

**Designed for portability
...can be easily moved
about the shop or on
the job site!**

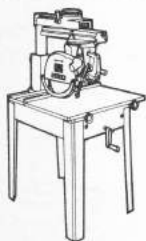
This Delta Radial offers big capacity, together with superior construction, all in a portable unit. That's why it meets the high standards required by industry, builders, contractors, commercial and school shops. The extra powerful motor will handle the toughest cutting jobs. The rigid frame, massive column base and precision index ring assure top quality cuts on all jobs. And the convenient on-off switch with lock-out key, automatic brake and all "up-front" operating controls provide additional operator safety.

Designed for easy movement, it can be taken right to the job, even carried through a standard entrance for on-the-spot, centralized cutting. See this great saw value today!



No. 33-890 12" Radial Saw

Catalog Listing



Complete 12" Radial Saw, including motor with automatic electro-mechanical brake, blade guard with anti-kickback attachment, retractable leaf guard, 12" combination blade and set of four steel legs.

Catalog Number	Motor	Motor Control	Motor Enclosure	HZ and Motor RPM	Motor Voltage
33-890	Single Phase 1½ HP	On-Off, Key-Lock Switch and Overload Protection	GD	60-3450	115/230
33-891		24 V at On-Off, Key Lock Switch; Magnetic Starter; Transformer and Overload Protection (LVC)	GD	60-3450	115/230
33-892	Three Phase, 1½ HP (develops 3½ HP)	24 V at On-Off, Key Lock Switch; Magnetic Starter; Transformer and 3-Leg Overload Protection (LVC)	GD	60-3450	230/460
33-893			GD	60-3450	200

NOTE: Single phase dual-voltage electricals will be supplied wired for 230 V, unless 115 V is specified. Three phase 230/460 V electricals will be supplied wired for 230 V, unless 460 V is specified.

Machine Data

Motor
Horsepower 1½
Speed 3450 RPM
Blade:
Diameter (supplied) 12" (304.8 mm)
Arbor 5/8" — 12 L.H. Acme (15.8 mm)
Capacity:
Maximum depth of cut,
approx. (less leaf guard) 4" (101.6 mm)

Maximum depth of cut,
approx. (with leaf guard) 3¾" (95.3 mm)
Maximum depth of cut at 45° bevel,
approx. (less leaf guard) 2½" (63.5 mm)
Maximum depth of cut at 45° bevel, approx.
(with leaf guard) 1¼" (31.8 mm)
Cross-cut 14¾" (365.1 mm)
Rip 24¼" (615.9 mm)
Miter (1" or 25.4 mm stock)
at 45° Right 9½" (241.3 mm)
at 45° Left 10" (254 mm)

Bevel Positive Stops 0°, 45° and 90°
Miter Positive Stops 90° and 45° R & L
Table Size 25½ x 30" (647.7 x 762 mm)
Overall Dimensions:
..... 30" wide x 32" deep x 63½" high
(762 x 812.8 x 1612.9 mm)
Shipping Wt. (approx.) 300 lbs. (136 Kg.)

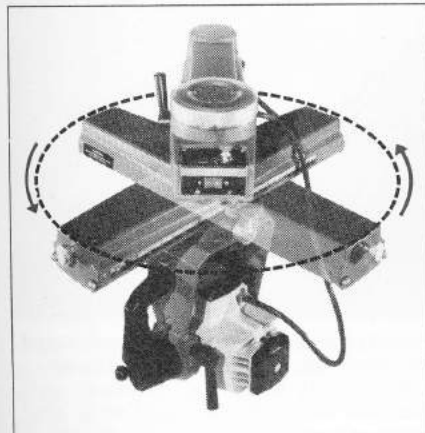
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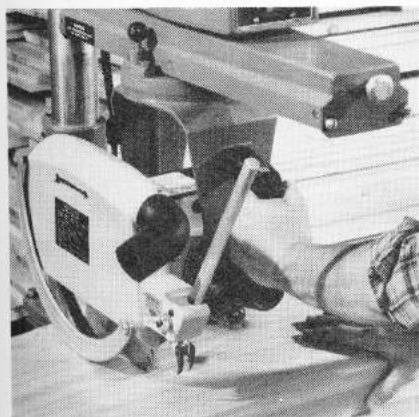
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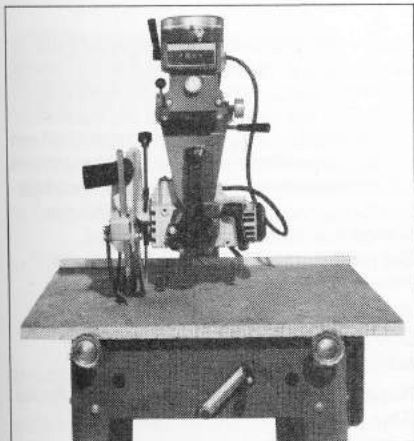
Delta 12" Radial Saw Quality Features



Unique "Turret Arm" Action. Permits saw blade to rotate a full 360° above work table — gives full table capacity for left and right-hand miters.



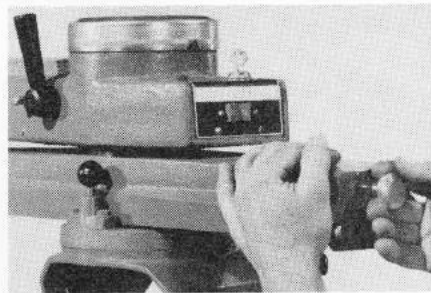
Powerful Motor; Automatic Electro-Mechanical Brake. Three phase 1½ HP motor develops up to 3½ HP under heavy workloads. Electro-mechanical brake, that's built into motor, stops blade automatically in seconds, after switch is turned off. This eliminates excessive blade coasting, enabling production schedules to be maintained.



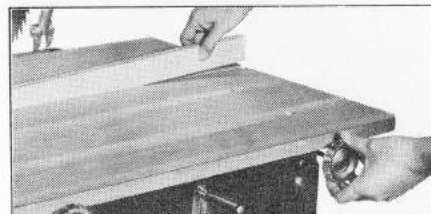
All Controls Located "Up Front". Every control, including the elevating crank, is "up front," away from the blade for faster, safer operation.



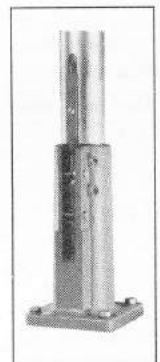
Convenient On-Off Switch. Eye level switch can be turned on or off in an instant for greater operator protection. Lock-out feature permits switch to be locked so that saw cannot be turned on, restricting unauthorized use of machine.



Convenient Index Control. Index release knob is conveniently located "up front" permitting quick, easy selection of desired miter positions.



Handy Fence Lock Knobs. Large, convenient knobs enable fence to be adjusted and locked from the front for added safety. This important feature saves time, especially when cutting stock in varying widths.

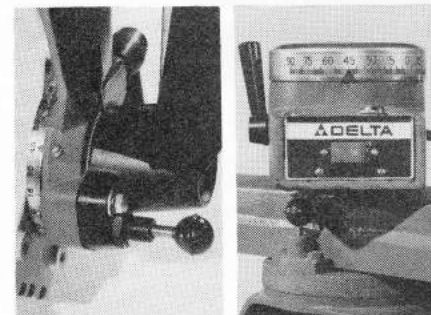


Lifetime Trackways. Turret arm features glass-smooth, hardened track rods to minimize roller friction. Rods can be adjusted or replaced to assure precision cutting accuracy for the life of the machine.

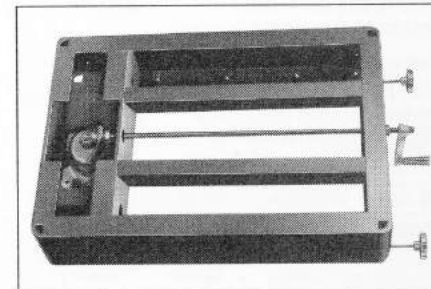
Specially Constructed Base. Massive column is supported by a husky split-column base with adjustable gibs and solid steel column key for accurate cutting.



Precision Index Ring for Miter Cuts. 90° and 45° positive miter stops are precision machined simultaneously at the factory, assuring lifetime accuracy on the job. Adjustment, if ever required, is easily made.



Large Bevel and Miter Scales. They are extra large in size and conveniently located, making them easy to use. This speeds up production and improves accuracy on close tolerance jobs.



Heavy, Deep Channel Frame Construction. This underside view of the frame shows its rugged, box-type construction that makes it practically distortion proof. This assures continuous alignment of the entire machine, guaranteeing the user trouble-free performance and accuracy year after year.

Delta Radial Saw Accessories

Saw Blades



No. 33-197 12" Diameter Combination/Rip Blade. 1" arbor hole. For rip and cut-off work. Flat ground. 44 teeth. 4 lbs.



No. 33-003 12" Diameter Rip Blade. 5/8" arbor hole. For cutting hard or soft woods with the grain. Flat ground. 36 teeth. 4 lbs.



No. 33-004 12" Dia. Crosscut Blade. 5/8" arbor hole. For cutting across the grain when a smoother finish is required. 12 teeth. 4 lbs.



No. 33-005 12" Dia. Hollow Ground Planer Blade. An all-purpose saw blade for ripping, cross cutting and mitering. Gives satin smooth finish; eliminates sanding. 5/8" arbor hole. 4 lbs.

For Additional Saw Blades, See Circular Saw Accessories.

Flanges

No. 33-548 Pair of Flanges, 5" diameter, for use with 18" or 20" diameter saw blades. 4 lbs.

No. 33-814 Steel Flange, 4" diameter. Use this flange in place of standard flanges No. 33-548, furnished with machine, to obtain 2 1/16" dado capacity.

No. 34-171. Use with above saw blades to make accurate, clean tenons. Set of two, one 1/4" thick and one 3/8" thick, 2 1/2" diameter with 5/8" arbor hole. 1 lb.

Industrial Carbide-Tipped Saw Blades

Designed, engineered, and manufactured to uncompromising quality standards for optimum cutting performance and maximum service life. Especially recommended for use with radial saws and pendulum type machines.



Compositions, Veneers

Very fine and high quality cut for trimming and parting packs of composition materials, veneers, plastic laminates and sheets, hard fibers and papers, PVC plastics and celluloid.

Cat. No.	Description	Plate	Kerf	Hook	Bore
35-655	12" x 96 ATB	.095	.142	5°	5/8"

Soft and Hardwoods, Asbestos, Tile, Particle Board

Same applications as above, but with better results. This category is recommended when cutting abrasive-type materials, such as asbestos, particle board and tile or any glue-lined materials.

Cat. No.	Description	Plate	Kerf	Hook	Bore
35-656	12" x 60 TC&F	.126	.173	10°	5/8"
35-694	16" x 60 TC&F	.126	.173	10°	1"

Non-Ferrous Metals, Plastics

Non-ferrous, metal cutting blades with negative hook angle for sizing and miter cuts in thin tubes and profiles such as aluminum, copper, brass; also plastics.

Cat. No.	Description	Plate	Kerf	Hook	Bore
35-646	12" x 60 TC&F	.102	.126	-6°	1"

Plastic Laminates, Veneers, Compositions, Hard Fibers and Paper

Trimming and parting blades for packs of composition sheets and veneers up to 1.2" thick, plastic laminates up to .6" thick, plastic sheets, hard fibers and papers up to .2" thick, when quality of cut is of little importance.

Cat. No.	Description	Plate	Kerf	Hook	Bore
35-677	14" x 108 ATB	.110	.173	8°	1"

Abrasive-Type Materials

Cross-cutting, trimming, and parting blades for all abrasive-type materials when quality of cut is of little concern relative to speed of cut.

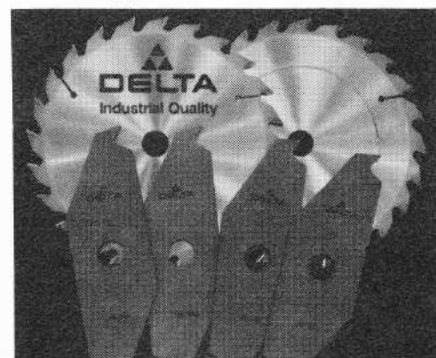
Cat. No.	Description	Plate	Kerf	Hook	Bore
35-674	14" x 84 TC&F	.110	.173	10°	1"
35-697	16" x 96 TC&F	.126	.173	10°	1"

Soft and Hardwoods, Plywood, Plastic Laminates, Veneers, Hardpaper

Trim and cross-cut blades for general use. Suitable for natural soft and hardwoods, one-sided plastic laminated and veneered boards, packs of veneers and plywood, hardpaper, etc.

Cat. No.	Description	Plate	Kerf	Hook	Bore
35-693	16" x 60 ATB	.126	.173	10°	1"

Carbide-Tipped Dado Head Sets



Four stackable dado assemblies consisting of two outer blades (1/8" thick) and four inside chippers (1 - 1/4" thick; 2 - 1/8" thick and 1 - 1/16" thick) in 6" and 8" diameter sets with 5/8" arbor hole and 8" and 10" diameter with 1" arbor hole; all complete with sturdy wood storage case. Cuts grooves from 1/8" to 1 3/16" wide. Individual replacement blades and chippers also available separately.

Cat. No.	Description	Outer Blades		Inside Chippers		
		1/8" Thk. L.S.	1/8" Thk. R.S.	1/8" Thk.	1/16" Thk.	1/16" Thk.
35-550	6" Dia. w/5/8" Arbor Hole	35-551L	35-551R	35-552	35-553	35-554
35-560	8" Dia. w/5/8" Arbor Hole	35-561L	35-561R	35-562	35-563	35-564
35-570	8" Dia. w/1" Arbor Hole	35-571L	35-571R	35-572	35-573	35-574
35-540	10" Dia. w/1" Arbor Hole	35-541L	35-541R	35-542	35-543	35-544

Standard Dado Head Set



No. 34-333 Production Type 6" Dia. Dado Head Set. Consisting of two hollow ground outer blades (1/8" thick) and five inside cutters (four 1/8" thick and one 1/16" thick). With 5/8" arbor hole. Cuts grooves from 1/8" to 1 3/16" wide. 3 1/2 lbs.

No. 34-334 Economy Dado Head Set. Consisting of two flat-ground outer blades (6" diameter x 1/8" thick) and five inside cutters (four 1/8" thick; one 1/16" thick). With 5/8" arbor hole. Cuts grooves from 1/8" to 1 3/16" wide. 4 lbs.

No. 34-959 Micro-Set™ Adjustable Dado. For ploughing, rabbeting, grooving or making decorative cuts. Adjusts without removing dado from saw arbor. You just dial the width of cut you want from 1/4" to 1 3/16". Depth of cut can be set to a maximum of 3/4" deep. The supplied 6 3/8" blade with 5/8" arbor hole, has 12 carbide tips for cutting wood and plastic laminates smoothly and accurately many times. Supplied in a sturdy plastic carrying case. 2 lbs.

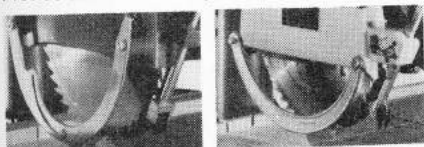
Blade Guard

Designed to cover entire saw spindle for additional operator safety.

No. 33-543 20" Blade Guard. For 18" Radial Saw. 18 lbs.

Retractable Leaf Guards

Provide additional safety for operator.



No. 33-450

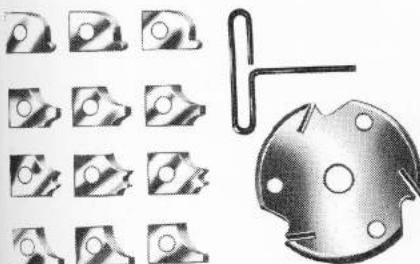
No. 33-594

- No. 33-446 For 20" blade guard. 4 lbs.
- No. 33-471 For 18" blade guard. 4 lbs.
- No. 33-450 For 16" blade guard. 2½ lbs.
- No. 33-449 For 14" blade guard. 2½ lbs.
- No. 33-594 For 12" blade guard. 2 lbs.

Moulding Cutterheads

Heavy duty, solid steel type. Less wrench and knives. 2½ lbs.

- No. 33-307. With 1" arbor hole.
- No. 34-562. With 5/8" arbor hole.
- No. 34-521 Wrench. For moulding cutterheads, 1/8 lb.



No. 34-813 Standard Moulding Cutterhead and Knife Set. Includes No. 34-562 cutterhead, No. 34-521 wrench and Nos. 35-102, 35-103, 35-221, and 35-222 cutterhead knives. For use on ½" and 5/8" diameter arbor saws. 4 lbs.

No. 34-821 Basic Moulding Cutterhead and Knife Set. Includes No. 34-562 cutterhead, No. 34-521 wrench and No. 35-102 set of knives. For use on ½" and 5/8" diameter arbor saws. 3 lbs.

NOTE: For complete selection of moulding cutterhead knives, see circular saw accessories.

Adapters



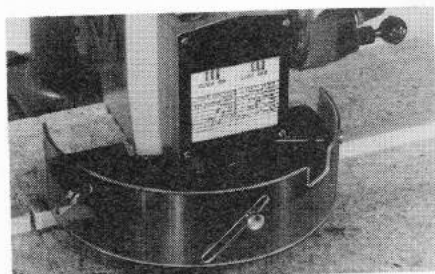
No. 33-304 ½" Bore Adapter. With 1"-14 L.H. thread x ½" bore. Threads onto radial saw arbor to provide ½" bore hole to fit ½" shank accessories. ½ lb.



No. 43-990 Shaper Cutter Adapter. With ½" diameter shank and ½" L.H. threaded shaft to accommodate shaper cutters or other accessories up to 1" thick. Use with 33-304 Adapter. ½ lb.

No. 33-851 Shaper Cutter Adapter. For 12" Radial Saw. For mounting ½" wide 3-lip shaper cutters on 5/8"-12 L.H. Acme threaded motor shaft.

NOTE: For complete selection of 3-lip shaper cutters, straight cutters and spacing collars, see shaper accessories.



No. 33-967 Moulding Cutterhead Guard. For 12" Radial Saw. Provides additional operator protection.

Sanding Discs

Threaded to fit motor shaft. Furnished with one garnet disc.

No. 46-836 Sanding Disc. 8½" diameter, mounts on 1"-14 L.H. thread motor shaft. 2½ lbs.

No. 33-850 Sanding Disc. For 12" Radial Saw. 8½" diameter with 5/8"-12 L.H. Acme thread. Supplied with one coarse and one medium self-adhesive paper disc. 2½ lbs.



Abrasive Paper and Disk Adhesive

No. 46-815 Abrasive Paper. 8½" diameter, No. 40 grit, garnet. 1 doz. 2 lbs.

No. 46-817 Abrasive Paper. 8½" diameter, No. 80 grit, garnet. 1 doz. 2 lbs.

No. 49-503 Disk Adhesive. For changing abrasive paper. 1 lb.

Sanding Drums



No. 46-038 3" diameter x 3", with one sleeve. Fits ½" diameter shaft. 2 lbs.

No. 46-538 1¾" diameter x 2", with one sleeve. Fits ½" diameter shaft. 1 lb.

No. 46-048. 1½" diameter x 2½", with one sleeve. With ½" shank to fit ½" adapters or chuck. ½ lb.

Sanding Sleeves

3" Diameter x 3" Sleeves. Package of 6. For use with No. 46-038 Sanding Drum.

No. 46-138 Garnet. 40 grit. ½ lb.

No. 46-832 Garnet. 60 grit. ½ lb.

No. 46-338. Al. Oxide (for metal) 50 grit. ½ lb.

1¾" Diameter x 2" Sleeves. Package of 6. For use with No. 46-538 Sanding Drum.

No. 46-638. Garnet. 40 grit. ¼ lb.

No. 46-837 Garnet. 60 grit. ¼ lb.

No. 46-838. Al. Oxide (for metal) 50 grit. ¼ lb.

1½" Diameter x 2½" Sleeves. Package of 6. For use with No. 46-048 Sanding Drum.

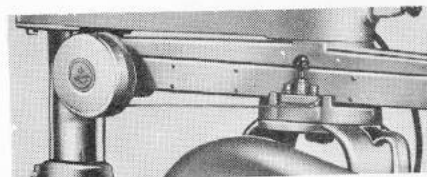
No. 46-841 Garnet. 50 grit. ½ lb.

No. 46-248 Garnet. 80 grit. ½ lb.

No. 46-847. Al. Oxide (for metal). No. 50 grit. ½ lb.



No. 33-544 Chain Feed Control. For 18" Radial Saw. Provides a constant, steady feed for cutting heavy timbers, gang sawing, rafter notching and other operations where a carefully controlled feed is required. Reduces waste and rejects. Special design permits operator to switch to regular saw operation in seconds. 8 lbs.

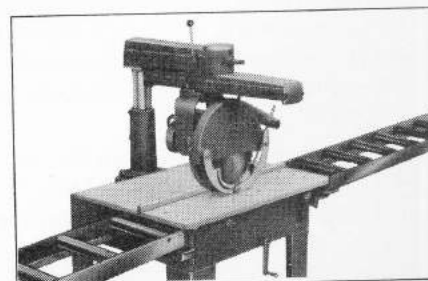


Cutterhead Return Attachments. Help speed up production. Operator makes cut and cutterhead automatically returns to an out-of-the way position behind the guide fence. Stock then can be positioned for the next cut.

No. 33-550 For 18" Radial Saw. 4¼ lbs.

No. 33-549 For 14" and 16" Radial Saws. 4¼ lbs.

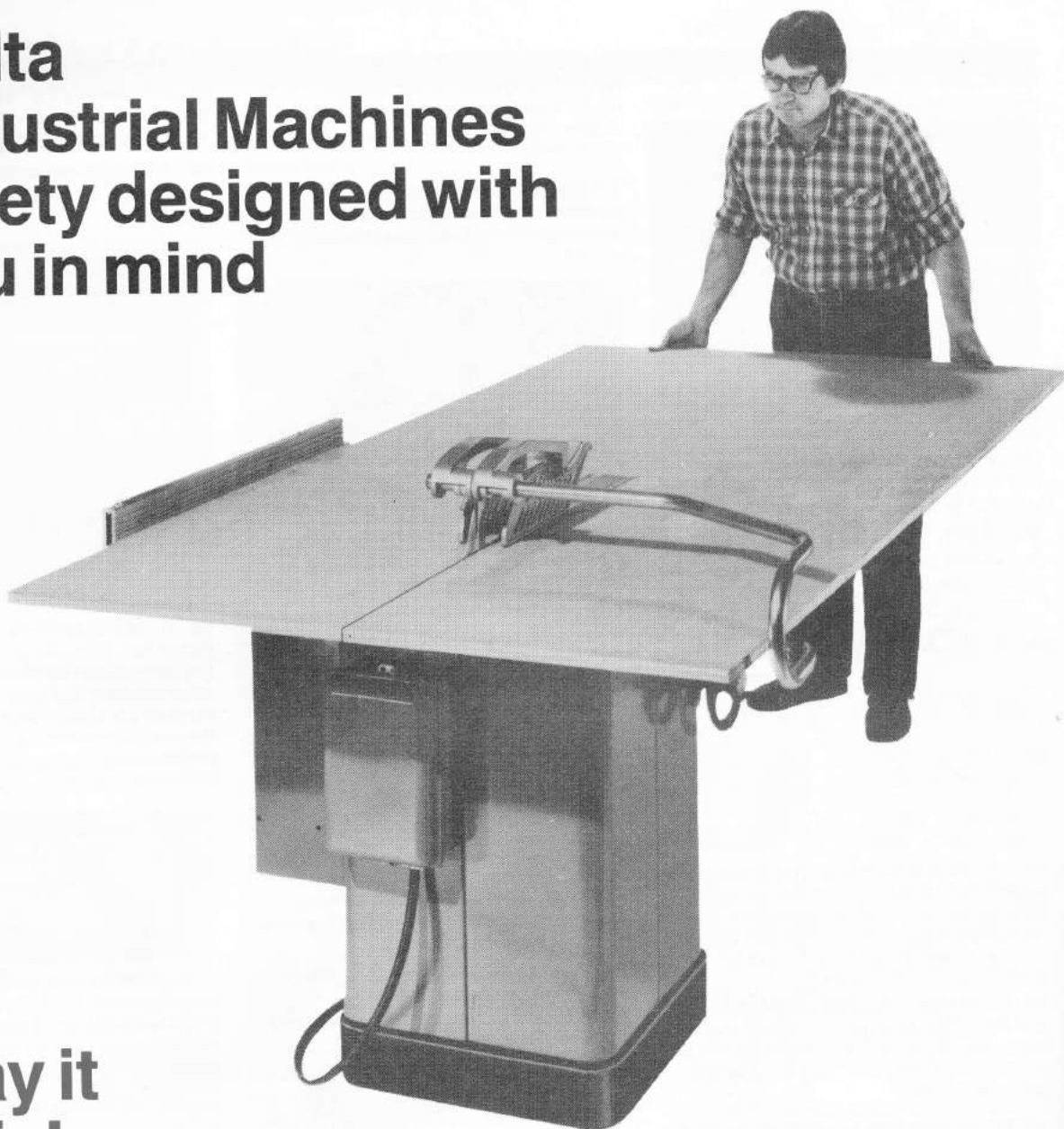
No. 33-885 For 12" Radial Saw. 4¼ lbs.



Extension Roller Table for Delta 18", 16" and 14" Radial Saws. Use several extension tables to increase the speed of your cutting operations. Your material always moves in a straight line on a level table — no matter what cut you make.

No. 33-521 One Roller Extension Table, eight feet long, with eight 12-inch rollers and one adjustable support stand. For direct coupling to steel table of Delta 18", 16", or 14" Radial Saw (specify Machine Catalog Number). 125 lbs.

Delta Industrial Machines safety designed with you in mind



Play it safe!

Delta Industrial Machines are built to the highest quality standards, and they are scientifically designed to provide greater operator safety. Take advantage of their built-in protective features by observing the following safety rules:

1. Read the instruction manual thoroughly before operating the power tool.
2. If you are not familiar with the operation of the tool, obtain advice from your supervisor, instructor, or other qualified operator.
3. Remove tie, rings, watch and other jewelry and roll up sleeves. *Do not wear loose clothing.*
4. Always wear safety glasses or a face shield.
5. Keep safety guards in place and use them at all times.
6. Be sure the shop has adequate ventilation and lighting, especially in the area of the cutting tool on the machine.
7. Always make sure the power tool is properly grounded.
8. Always make sure the cutting tool is sharp and correctly positioned.
9. Always keep the work area clean. *Avoid cluttered areas.*
10. Remove adjusting keys and wrenches before turning on the power.
11. Always disconnect the tool from the power source when making repairs or adjustments.
12. Never start to run an electric tool when there is any danger of fire or explosion due to the presence of inflammable or explosive materials.

We strongly urge that you carefully read the Operating Suggestions and the Safety Instructions furnished with each machine. Additional instructional materials are available on request to replace lost or misplaced manuals.

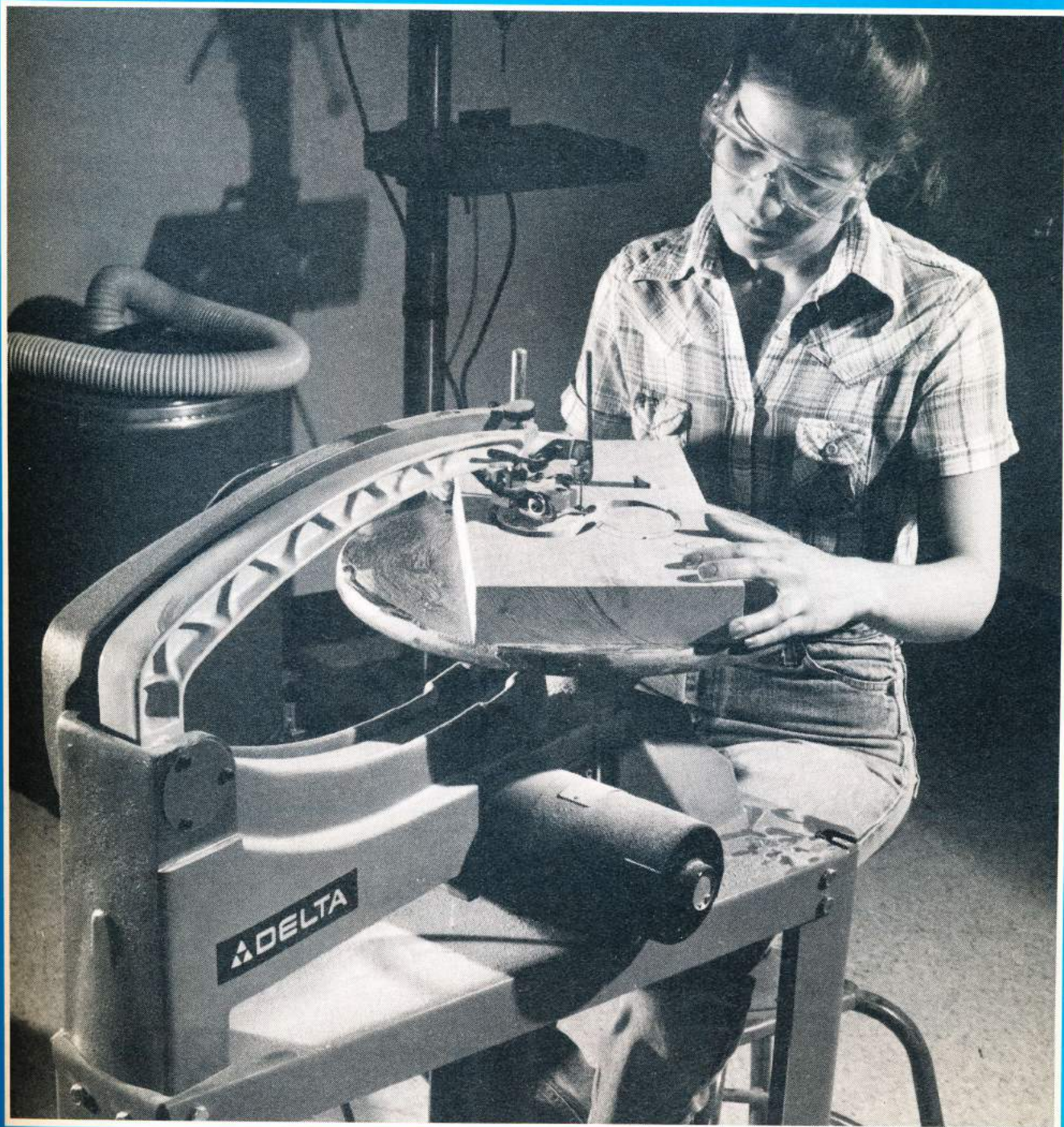
Remember, safety begins with the manufacturer but ends with you, the user!

Delta Scroll Saws

Set the pace for quality and cutting performance!

18" Electronic Variable Speed Model—the ultimate in intricate, precision cutting capability. Cuts in tight areas to $\frac{1}{64}$ " diameter with capacity up to 2" thick.

24" Variable Speed and 4-Speed Models—for fast, intricate scroll work or heavy duty panel cutting. Handle stock up to $1\frac{3}{4}$ " thick with 24" blade-to-arm capacity, unlimited capacity with overarm removed.



Delta 18" Electronic Variable Speed Scroll Saw

Built-in electronic control lets you dial the exact speed you need for intricate, high quality cutting!

18" Electronic Variable Speed Scroll Saw

Fine precision cutting! Simplified intricate cutting in tight areas as small as $\frac{1}{64}$ " diameter! Big 2" thick capacity for large jobs! All at the speeds you need for a sand-free finish! That's what you get with the Delta 18" Electronic Variable Speed Scroll Saw.

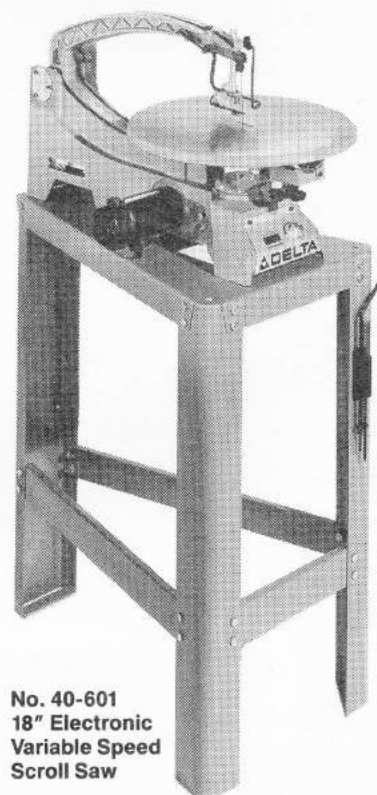
It's a unique machine offering engineering advances that set it apart from all other scroll saws. For example, you get: infinitely variable speed from 40 to 2000 CS/M—an electronic controller that maintains constant blade speed and torque under all cutting conditions—an

accurate, digital speed read-out for optimum quality cutting—pivoting-type blade chucks for extra fast blade changing and tensioning—a large, cast iron, circular table that tilts 30° L and 45° R, also rotates 90° to tilt 15° up and 30° down—a dry drive design for long, trouble-free performance—counter-rotating balancers for vibration-free running—ball and roller bearing construction throughout—and much more.

Stop in and let us prove the superior performance of the Delta 18" Electronic Variable Speed Scroll Saw!

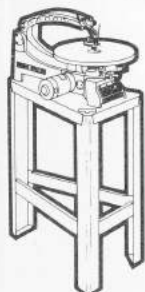


No. 40-601 18" Electronic Variable Speed Scroll Saw



No. 40-601 18" Electronic Variable Speed Scroll Saw

Catalog Listing

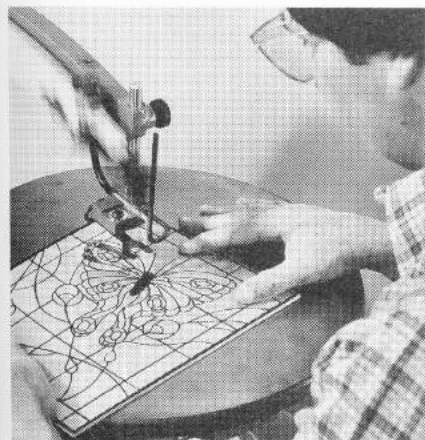


No. 40-601 18" Electronic Variable Speed Scroll Saw. Includes basic machine with steel stand; single phase, 115 volt, solid state, electronic controlled, permanent magnet motor; cutting-strokes-per-minute digital readout; back-up blade guide; 36 assorted metal and wood scroll saw blades and blade changing tools.

Specifications

Capacities:	
Throat	18" (457.2 mm)
Thickness of cut	.2" (50.8 mm)
Stroke	$\frac{7}{8}$ " (20.2 mm)
Table:	
Size	16" (406.4 mm), round
Tilt	30° L, 45° R, 15° up, 30° down
Rotates	90°
Height from floor	42" (1066.8 mm)
Speeds	40 to 2000 C.S./M
Blade Length	5" (127 mm)
Overall Dimensions	17 $\frac{1}{4}$ " deep x 30" wide x 47" high (438.2 x 762.0 x 1193.8 mm)
Net Weight	132 lbs. (59.8 Kg)

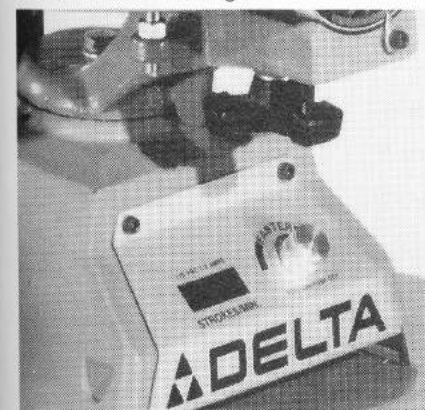
Delta 18" Electronic Variable Speed Scroll Saw Quality Features



Intricate Cutting Easily Accomplished. With Delta 18" Electronic Variable Speed Scroll Saw, you can cut 360° in a 1/64" circle; at the right speed for a sand-free finish. Built-in blower keeps cutting line free of dust.



Big Capacity. Unit cuts up to a full 2" thick. Then, with accessory No. 40-903 90° Blade Holders, you can rip to the center of 36" stock, with unlimited length.



Variable Speed Digital Read-out. Infinitely adjustable speed control, with a range of 40 to 2000 CS/M, is instantly available to the operator. A bright LED read-out allows operator to set his speed precisely to suit the job.



Electronic Variable-Speed Control. The digital, electronic, solid state controller maintains blade speed and proper torque to suit varying cutting conditions. Electronic sensors recognize and adjust speed and torque to maintain desired level of cutting performance, even as different cutting conditions occur. Operator can adjust the speed according to the digital display, which indicates cutting strokes per minute. Speed will hold constant at $\pm 10\%$ of the control range.

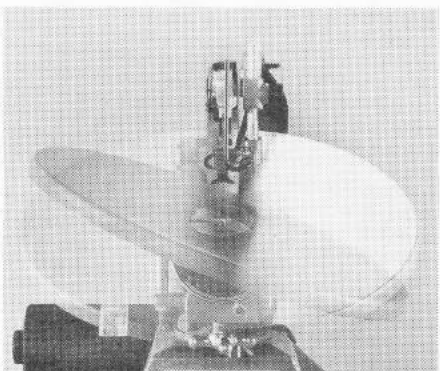
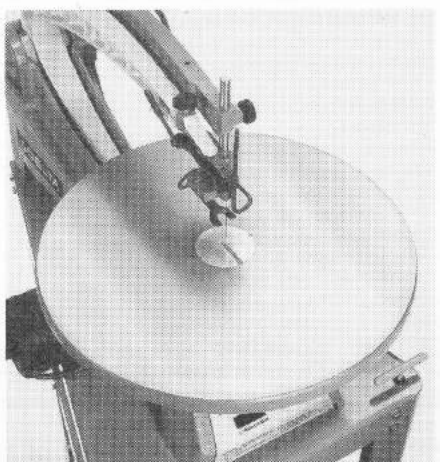
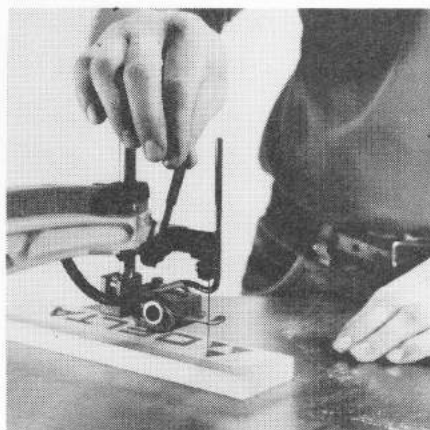


Table Tilt. The large, circular table tilts 30° L and 45° R, also rotates 90° to tilt 15° up and 30° down. This flexibility permits complicated cuts such as complete dovetail joints.

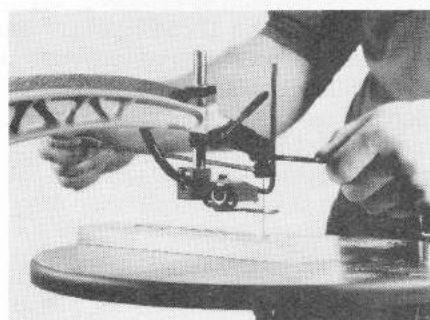


Large Table. Diameter of ruggedly constructed, cast iron table is a full 16", providing ample support for large work. Round table shape allows use of table edge as a reference guide when rotating workpieces around the blade.

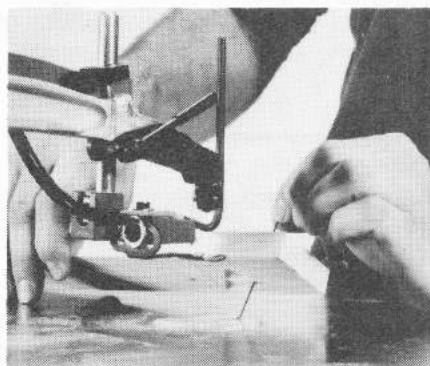
Pivoting Type Blade Chucks. Delta offers the fastest blade changing and tensioning in the industry:



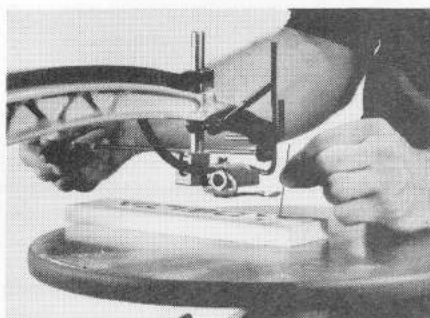
a. Blade tension is released instantly using the front-mounted tensioning lever.



b. Blade is unlocked from top swivel chuck using lock bar and T-handle wrench provided.



c. Bottom swivel chuck allows blade to tilt forward for easy threading into workpiece.



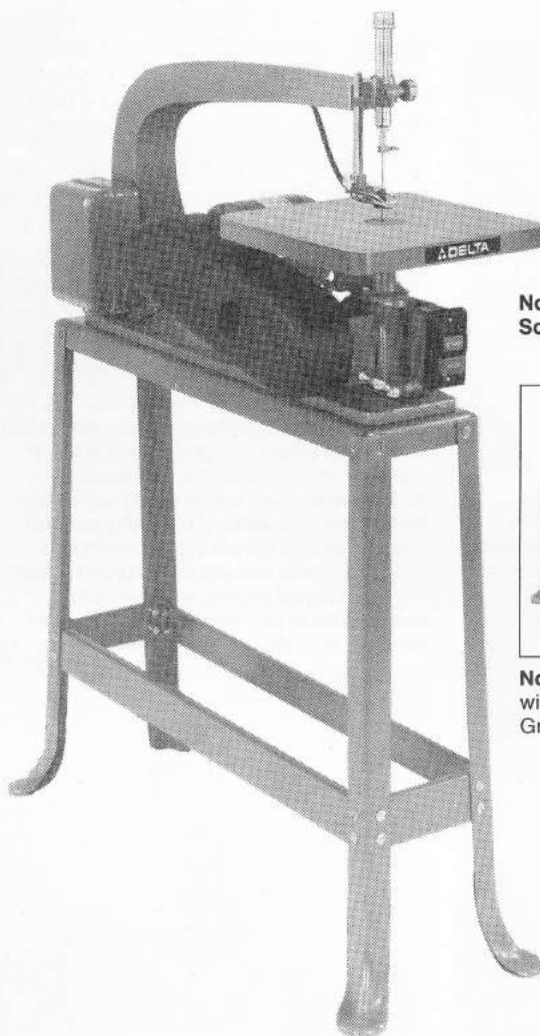
d. Blade swivels back into chuck, is locked in with T-wrench, and tension is instantly set with the tensioning lever.

Delta 24" Scroll Saw

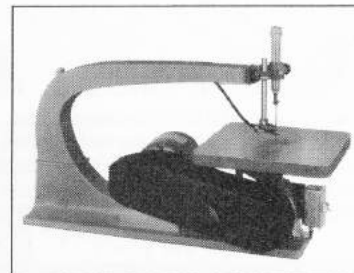
Perfectly suited for intricate internal or external cutting, or for scroll cutting on large, over-size panels!

Delta 24" Scroll Saws are big capacity, rugged machines that handle everything from fine, intricate work to large, bulky panels. They are first choice in school shops, cabinet shops, display shops, pattern shops—wherever there exists the problem of doing internal or external precision cutting of irregular shapes.

Whether you select the Delta Four-Speed Model with speeds of 610, 910, 1255 and 1725 C.S.M., or the Variable-Speed Model with speeds from 650 to 1700 C.S.M., your Delta Scroll Saw contains all these built-in, high-quality features: a new, simplified drive system featuring hardened steel pins and connecting rod with four needle bearings for long, trouble-free operation—automatic crankshaft lubrication—shaft driven blower pump which makes air available even for saber blades—universal tilting table that tilts 45° right, 15° left for normal bevel cutting, and 45° front for bevel cutting of extra long stock—plus much more!



No. 40-406 24" Variable Speed Scroll Saw



No. 40-441 24" Scroll Saw shown with 40-802 4-Speed Accessory Group and Electricals.

Catalog Listing



No. 40-441 Basic Machine: 24" Scroll Saw with 40-202 Individual Blade Guides, 40-204 Lower Saber Saw Blade Guides, and six 40-192 scroll saw blades. Without motor, switch, pulleys, belt, belt guard and steel stand. 100 lbs.



Complete 24" Scroll Saw, ready to run, with basic machine, pulleys, V-belt, belt guard, unassembled steel stand, motor and control.

Four-Speed Model Catalog No.	Variable Speed Model Catalog No.	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Weight Lbs.
40-416	40-406	Single Phase 1/3 HP	24 V Push Button Magnetic Control System with Overload Protection (LVC)	GD	60-1725	115/230	176
40-419	40-409		Toggle Switch Only	GD	60-1725	115/230	170
40-417	40-407	Three Phase 1/3 HP	24 V Push Button Magnetic Control System with 3-Leg Overload Protection (LVC)	GD	60-1725	200-230/460	176

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power

Cord and Plug supplied for single phase only. Motors and Motor Controls for Delta 24" Scroll Saws may be ordered unmounted.

Machine Data

Capacities:

Arm to blade 24" (609.6 mm)
 Thickness of cut 1 3/4" (44.45 mm) maximum
 Chucks can be rotated for unlimited length of cut. Overarm can be removed for unlimited cutting capacity with saber blade.
 Stroke 1" (25.4 mm)

Table:

Size 14" x 14" (355.6 x 355.6 mm)
 Tilt 45° right, 15° left, 45° front
 From floor on stand 42 1/4" (1073.1 mm)

Speeds:

Variable Speed Model 650 to 1700 C.S.M.*
 Four-Speed Model 610, 910, 1255, 1725 C.S.M.

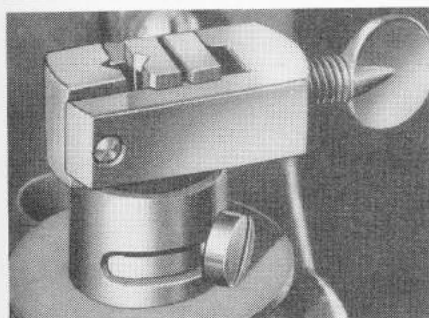
Overall Dimensions:

Depth 36" (914.4 mm)
 Width 15" (381 mm)
 Height (on stand) 55" (1397 mm)

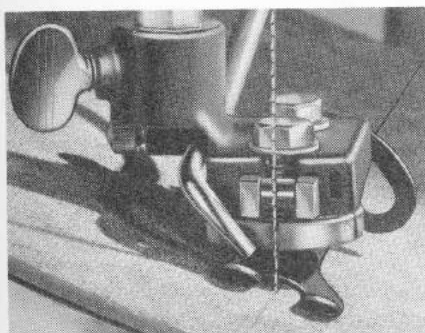
* Cutting Strokes Per Minute

Certified in Canada

Delta 24" Scroll Saw Features

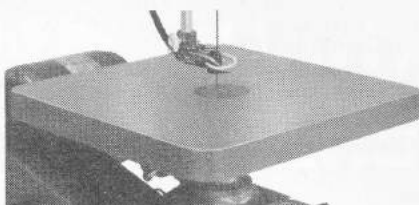


Positive Grip Chuck. Securely holds flat, blank-end saw blades, plus round shank accessories including sanding attachment and machine files. Chuck's 90° rotating feature permits an unlimited length of cut on extra long material.

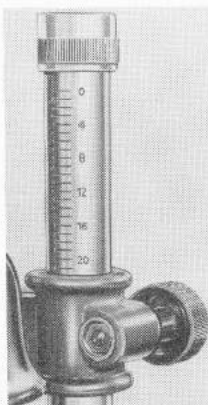


Convenient Spring Hold-Down. For added accuracy and ease of operation. Holds work firmly against the table, even on bevel cutting operations. Prevents material from lifting with up-stroke of blade.

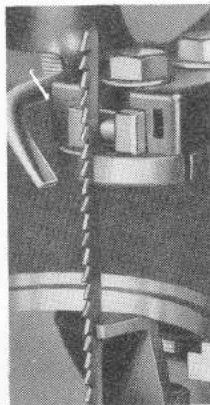
Note: Blade guard removed to aid in photo clarity.



Extra Large Table. Measures a full 14 x 14"—provides ample support for large, bulky panels and other hard-to-handle materials. Table tilts 45° right and 15° left for standard bevel cutting; 45° front for beveling of extra long stock.

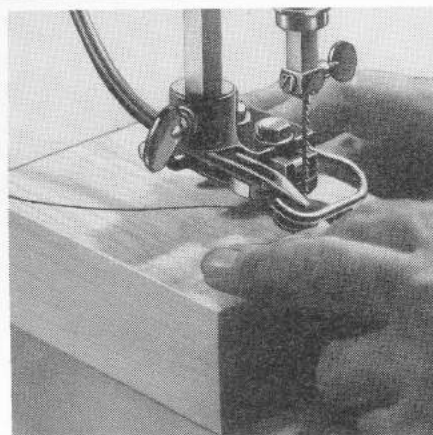


(Left) Handy Blade Tensioning Control. Permits accurate adjustment of blade tension best suited for each type of blade or particular job. Assures longer blade life; minimizes blade breakage.



(Right) Universal Blade Guide and Roller Support. Rigidly supports all types of blades, including saber blades, in true alignment for smoother, more accurate cutting.

Note: Blade guard removed to aid in photo clarity.



Big Capacity. Cuts stock up to 1 3/4" thick; offers full 24" arm-to-blade capacity for ripping. Converts to saber saw, with removal of overarm, for cutting materials of unlimited size.

Delta Quality Extras

New Simplified Drive System. Features hardened steel pins and connecting rod with four needle bearings for long trouble-free operation. Automatic lubrication of the crankshaft assures smooth scroll saw performance. Oil level may be easily and quickly checked, or refilled as needed.

Built-In Air Blower. Keeps cutting line free of nuisance dust. Operates off of shaft driven pump making air available even for saber blades.

Delta Scroll Saw Accessories

For 18" Electronic and 24" Variable Speed and 4-Speed Scroll Saws

Scroll Saw Blades. A proper blade for every job. All are 5" long with accurately spaced teeth. Heat treated for extra long life. Have 5/8" blank ends for fastening into chuck. 1/2 dozen to a package.

Catalog Number	Material Cut	Width Inch	Thick-ness	Teeth Per Inch	
40-058	Steel • Iron • Lead Copper • Aluminum	.070	.018	26	
40-159	Pewter • Paper Asbestos • Felt	.075	.018	20	
40-160	Steel • Iron • Lead Copper • Brass	.078	.022	15	
40-161	Aluminum Pewter Asbestos	.085	.022	15	
40-164	Sheet Metal • Iron Aluminum • Copper Brass • Pewter • Lead Wood • Asbestos	.110	.018	20	
40-165	Asbestos • Mica Brake Lining • Steel Iron • Lead • Copper Brass • Pewter Aluminum	.250	.028	20	

Catalog Number	Material Cut	Width Inch	Thick-ness	Teeth Per Inch	
40-184	Wood Veneer Also Plastic • Celluloid Hard Rubber Bakelite • Ivory Extremely Thin Materials	.029	.012	20	
40-185	Plastics Celluloid	.035	.015	15	
40-187	Bakelite	.090	.022	7	
40-188	Ivory • Wood	.110	.022	7	
40-191	Wall Board Pressed Wood Wood • Lead Bone • Felt Paper • Copper Ivory Aluminum	.110	.022	15	

Catalog Number	Material Cut	Width Inch	Thick-ness	Teeth Per Inch	
40-192	Hard and Soft Wood	.110	.022	10	
40-193	Hard and Soft Wood	.187	.025	10	
40-194	Hard and Soft Wood	.250	.028	7	
40-195	Pearl • Pewter Mica	.041	.019	30	
40-196	Pressed Wood Sea Shells	.065	.023	20	
40-198	Hard Leather	.085	.022	12	

As a general rule, always select the narrowest blades recommended for intricate curve cutting and widest blades for straight and large curve cutting operations.

Continued on next page

Skip Tooth Blades

All blades have skip teeth for fast cutting and greater chip clearance. All blades are 5" long and are supplied 12 blades per package.

Catalog Number	Material Cut	Width Inch	Thickness Inch	Teeth Per Inch
40-605	For extremely intricate sawing. Very thin cuts in $\frac{1}{16}$ " to $\frac{3}{32}$ " materials. Excellent for cutting wood veneer, plastics, hard rubber, pearl, etc.	.022	.010	27
40-607	For close radius cutting in materials $\frac{1}{8}$ " or thicker. Great for sawing hard/soft wood, bone, horn, plastics, etc.	.037	.015	12.5
40-608	Popular sizes for cutting hard and soft woods $\frac{3}{16}$ " up to 2". Also plastics, paper, felt, bone, etc.	.043	.016	11.5
40-609		.053	.018	12
40-610	For smooth, splinter-free finish on top and bottom sides. Excellent for hard/soft wood, plywood, etc., with thickness of $\frac{1}{4}$ " or more.	.062	.024	9.5 with 6 reverse teeth
40-611	Wood, plastic, for extremely thin cuts on materials $\frac{3}{32}$ " to $\frac{1}{2}$ " thick.	.070	.010	18.5
40-616	For cutting hard and soft woods $\frac{3}{16}$ " up to 2". Also cuts plastic, paper, felt, bone, etc.	.062	.024	9.5

No. 40-620 Package of 36 Assorted Scroll Saw Blades. Includes 12 each blades; Nos. 40-605, 40-608 and 40-616.

Metal Cutting Blades

These premium quality blades are made of hardened and tempered steel for sawing metal and other hardened materials. All blades are 5" long, have regular teeth and are supplied 12 blades per package.

Catalog No.	Width In.	Thickness In.	Teeth per in.
40-617	.023	.012	48
40-618	.034	.016	36
40-619	.051	.022	25

Pin Scroll Saw Blades

For use on saws designed to accept pin end blades. All blades are 5" long and are supplied 6 blades per package.

Catalog Number	Material Cut	Width Inch	Thickness Inch	Teeth Per Inch
40-630	For cutting the following materials $\frac{1}{8}$ " to $\frac{3}{4}$ " thick: wood, lead, bone, felt, paper, copper, ivory, aluminum, wall board and pressed wood.	.110	.018	15
40-631	Wood, plastic, for extremely thin cuts on material $\frac{3}{32}$ " to $\frac{1}{2}$ " thick.	.070	.010	18

Spiral Scroll Saw Blades

Cut in all directions without turning the workpiece. For cutting all types of material: wood, plastic, bone, horn, non-ferrous metals. All blades 5" long; 12 blades per package.

Catalog Number	Kerf Inch	Teeth Per Inch
40-625	.047	36
40-626	.042	41
40-627	.035	46



No. 25-858 Lamp Attachment, for 115 V. Includes 9" flexible gooseneck, reflector and 8-foot cord with plug. Uses standard bulb (not included) up to 40 watts. 2 lbs.

For 18" Electronic Variable Speed Scroll Saw

No. 40-603 90° Blade Holders. For ripping to the center of 36" stock, with unlimited length. 4 ozs.

No. 50-275 Mobile Base. For 18" E.V.S. Scroll Saw on Stand. 25 lbs.

For 24" Variable Speed and 4-Speed Scroll Saws

Saber Blades For Wood

Made of high-grade steel with teeth hardened and accurately set. $4\frac{1}{2}$ " in length. $\frac{1}{2}$ doz. to a package. $\frac{3}{8}$ lb.

Catalog No.	Width In.	Thickness In.	Teeth Per In.
40-703	.187	.025	10
40-704	.250	.032	7

No. 50-818 Steel Stand, 8 x 34 x 31 $\frac{1}{2}$ " high. 34 lbs.

No. 40-802 Four-Speed Accessory Group. Consists of 41-712 Motor Pulley ($\frac{1}{2}$ " bore), 41-722 Machine Pulley, 49-340 V-belt and Belt and Pulley Guard. 4 lbs.

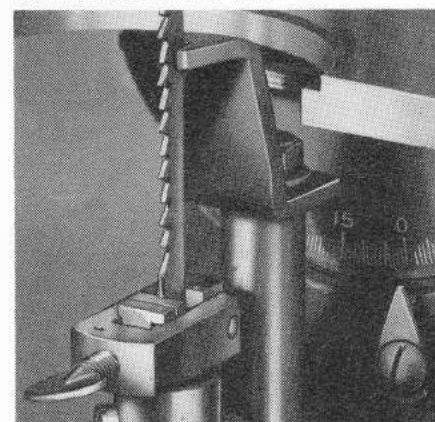
No. 40-544 Variable Speed Accessory Group. Converts the Four-Speed 24" Scroll Saw to a Variable Speed Model. This efficient drive, with a range of 650 to 1700 cutting strokes per minute, provides the proper cutting speed for any material—high speed for

fast, fine work—slow speed for heavy work—and an infinite choice of speeds in between. A convenient speed control handle permits fine speed adjustment—even within 1 or 2 C.S.M.—while the machine is running.

Consists of 40-446 variable-speed motor pulley ($\frac{1}{2}$ " bore), motor base with bracket, screws and handle, 49-303 special V-belt, 40-443 special drive pulley ($\frac{1}{2}$ " bore), belt and pulley guard. 12 lbs.

No. 40-715 Self-Centering

Lower-Jaw Chuck. Fits Lower plunger of scroll saw. Valuable aid for fine marquetry and puzzle work. Fine blades are automatically guided to center of chuck, then locked with thumb screw. Includes special jaw for use with upper chuck. $\frac{3}{8}$ lb.



No. 40-204 Lower Saber Saw Blade

Guides. Support saber blade directly below table. Enable you to do perfect straight-line saber cutting because the blade is supported below the table as well as above. Consists of 2 lower guides with post, nut and thumb screw. Blade slots—.030" and .040". $\frac{5}{8}$ lb.

No. 40-202 Individual Blade Guides. Supplement the regular guide and hold-down. Used where close following of a line or pattern is important. Ideal for puzzle and marquetry work.

Set of six different, hardened steel guides and bracket. 1 lb.



No. 40-711 Sanding Attachment. For sanding concave, convex or flat surfaces. Eliminates annoyance of makeshift devices. Knurled knob expands body of sanding attachment, tightens garnet sleeve securely. $1\frac{5}{16}$ " wide, $\frac{1}{2}$ " thick and 2 $\frac{1}{2}$ " long. $\frac{1}{4}$ " dia. shank fits universal lower chuck of scroll saw. With one sleeve. $\frac{1}{2}$ lb.

Sanding Sleeves. Package of 6. $\frac{1}{4}$ lb.

Catalog No.	Type	Grit and Finish
46-841	Garnet	No. 1 Medium
46-248	Garnet	No. 1/0 Fine

Delta Vertical/ Horizontal Band Saws

Efficient, high performance machines!

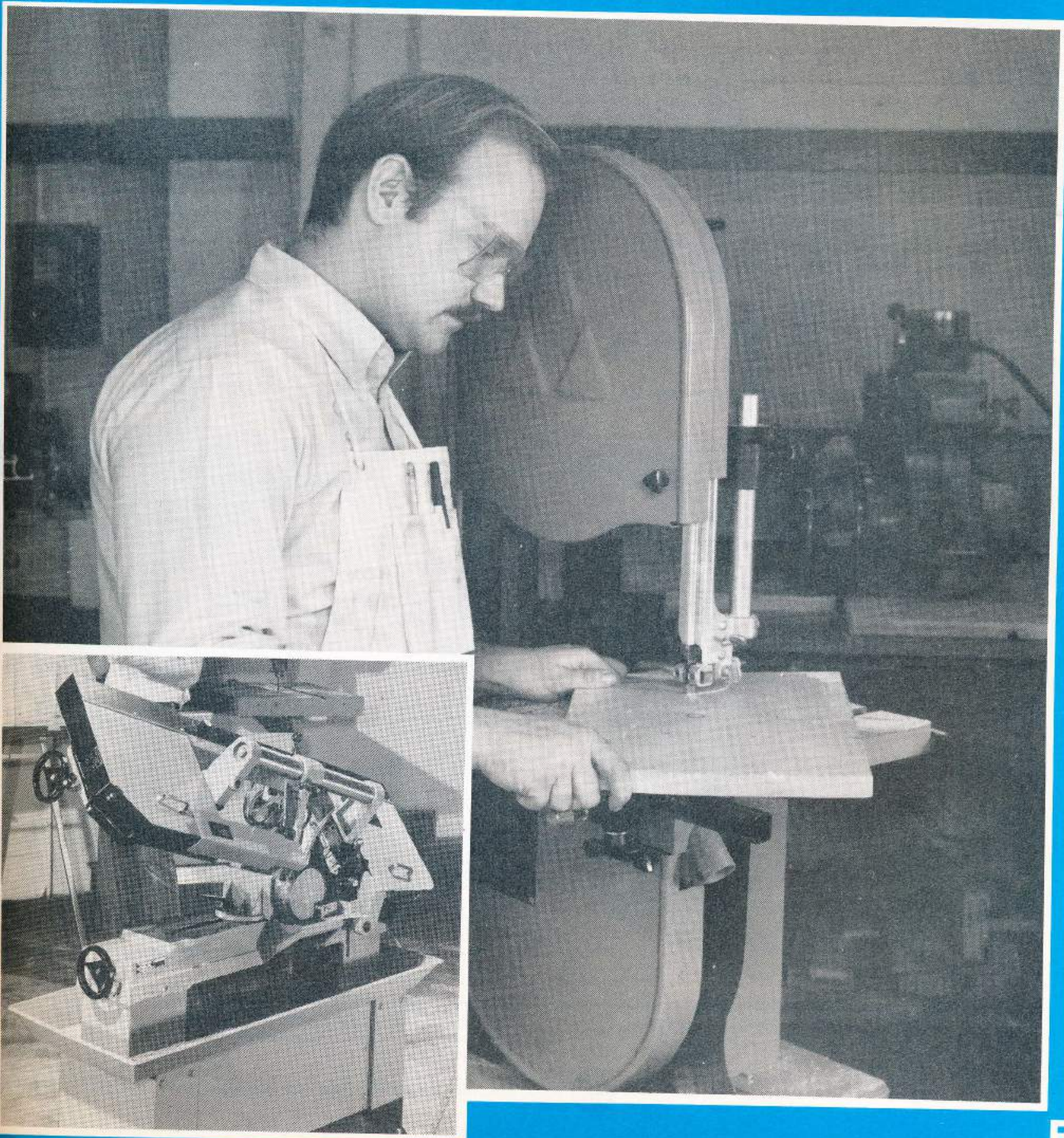
The 20" Metal Cutting Model, with foot-operated speed changer, lets you select the exact speed you require in seconds.

The 20" Wood/Non-Ferrous Metal Cutting Model has fast adjusting blade guides that support the blade right down to the work.

The 14" Wood Cutting Model offers extra safe independently adjustable blade guides that adjust with micro-meter accuracy.

The 14" Metal-Wood Cutting Model. It lets you shift instantly from direct to gear drive...and you have a selection of eight cutting speeds.

Finally, consider **The Delta 8 x 14" Horizontal Band Saw**. It offers high production quality without the premium price.



Delta 20" Band Saws

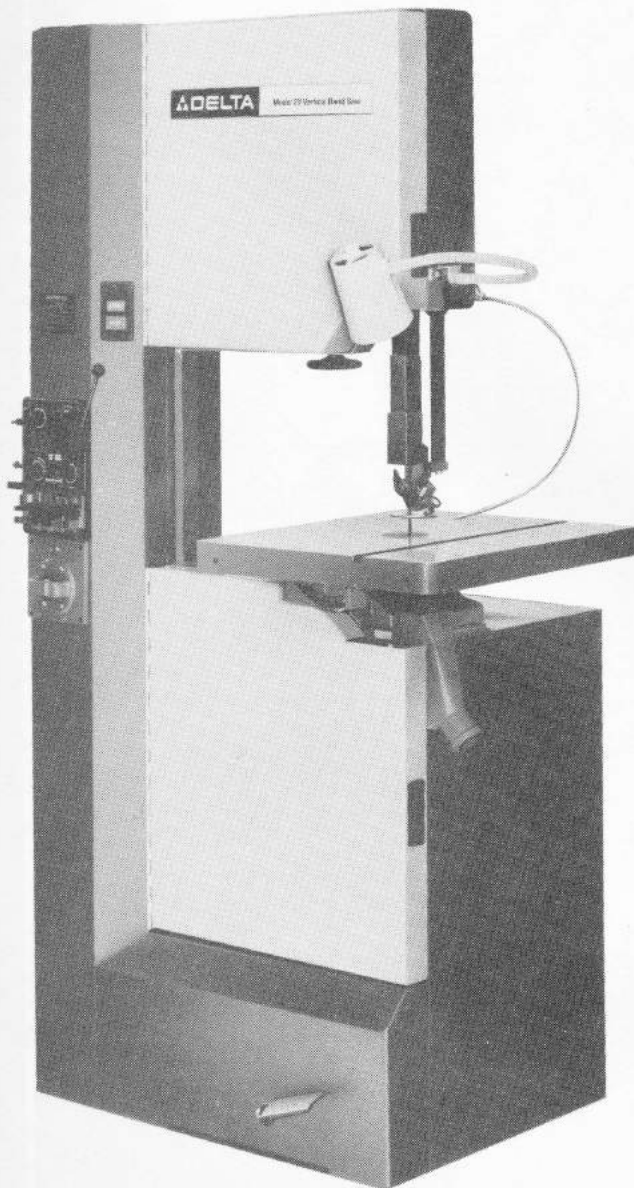
Built to deliver fast, high quality cutting performance!
Wood/Non-Ferrous Cutting Model.
Metal-Cutting Variable Speed Model.

Select the popular Delta 20" Wood/Non-Ferrous Cutting Band Saw and get a double duty machine. It offers a 4500 SF/M speed for wood cutting and a 2000 SF/M speed for cutting non-ferrous metals. In addition, it incorporates a majority of the high quality features provided in the Metal Cutting Model.

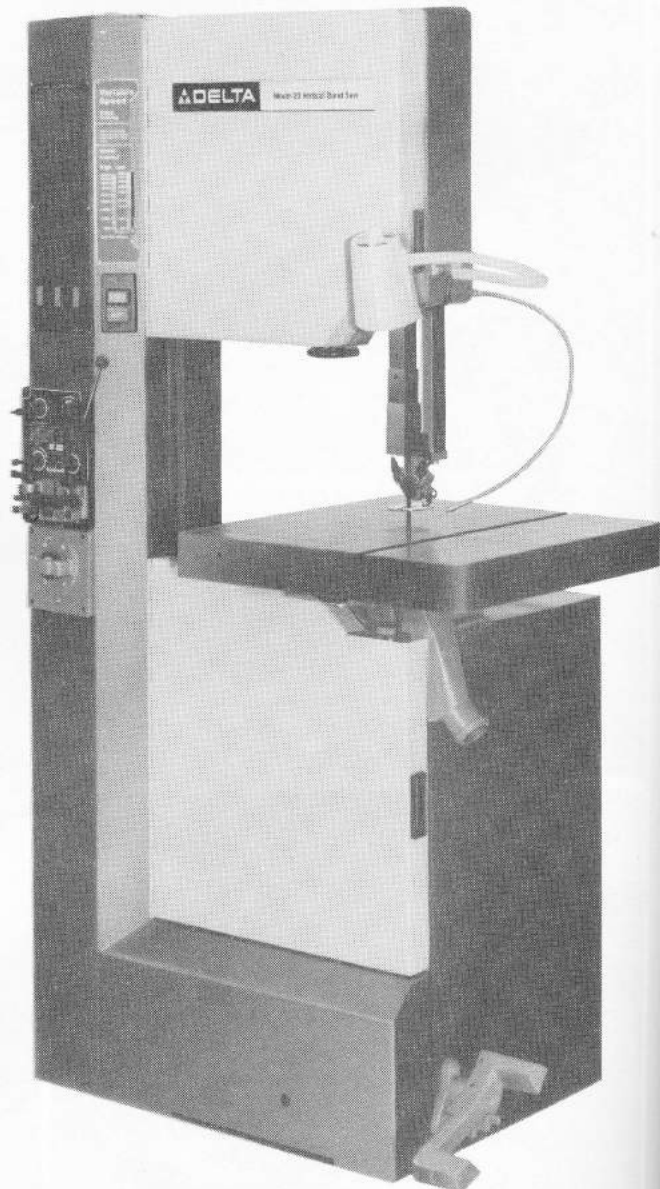
For even greater versatility, consider the Delta 20" Metal Cutting Variable Speed Band Saw. Its wide speed range of 50 to 4500 SF/M lets

you saw everything from stainless steel to wood. And the foot-operated speed changer helps you make speed changes fast, while your hands are free to position the work. Furthermore, you get an extra large 24 1/4 x 24 1/4" table that's designed to handle heavy work loads, plus a built-in chip blower for truer sawing.

Let us prove the wide capability of these great Delta Band Saws with a "proof-by-performance" test today!



No. 28-654 Wood/Non-Ferrous Cutting Band Saw shown with accessory 25-857 Lamp Attachment, 28-714 Blade Welder and Flash Grinder, 28-005 Blade Shear and 28-720 Chip Blower.



No. 28-663 Metal Cutting Band Saw shown with accessory 25-857 Lamp Attachment, 28-714 Blade Welder and Flash Grinder and 28-005 Blade Shear.



Basic Machine and all electrical kits, except 28-651, are certified in Canada.

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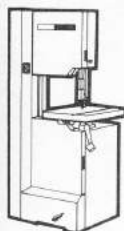
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Catalog Listing



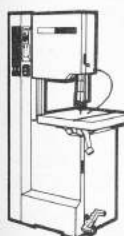
Complete 20" Wood/Non-Ferrous Cutting Band Saw with foot brake, chip chute, adjustable blade guides, "clearview" protective blade guard, blade tension indicator, $\frac{3}{8}$ " blade, motor pulley, V-belt, motor and controls factory mounted and wired.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
28-651*	Single Phase, 1 HP	Push Button Switch only	TEFC	60-1725	115/230	755
28-652*		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	759
28-653	Single Phase, 2 HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	786
28-654†	Three Phase, 2 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	771
28-655			TEFC	60-1725	200	771
28-656			TEFC	60-1725	575	771

NOTE: Single phase 1 HP electricals will be supplied wired for 230V, unless 115V is specified. Single phase dual-voltage 2 HP electricals will be supplied wired for 230V only. Three phase electricals will be supplied wired for 230V, unless 460V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Delta 20" Band Saws may be ordered unmounted.

†No. 49-000 "JIC" Type Control Kit. Specify this catalog number, in addition to Three Phase Cat. No. 28-654, in order to obtain 20" Band Saw with "JIC" type electricals, factory mounted and wired.

*Supplied only for woodworking applications.



Complete 20" Metal Cutting Variable Speed Band Saw including variable speed drive with belts and pulleys, counter balance for upper blade guide, "clearview" protective blade guard, chip blower, chip chute, chip removal brushes (2), blade and speed chart, one blade ($\frac{1}{2}$ ", 18 teeth, metal cutting), motor and controls factory mounted and wired.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
28-662	Single Phase, 2 HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	972
28-663†	Three Phase, 2 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	957
28-664			TEFC	60-1725	200	957
28-665			TEFC	60-1725	575	957

NOTE: Single phase electricals will be supplied wired for 230V, only. Three phase electricals will be supplied wired for 230V, unless 460V is specified. Power Cord and Plug supplied for single phase only.

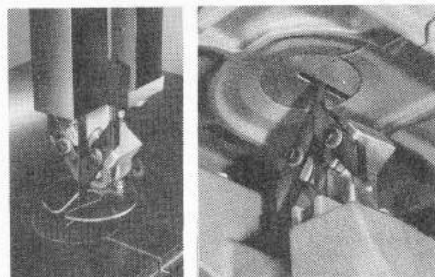
†No. 49-000 "JIC" Type Control Kit. Specify this catalog number, in addition to Three Phase Cat. No. 28-663, in order to obtain 20" Band Saw with "JIC" type electricals, factory mounted and wired.

Machine Data

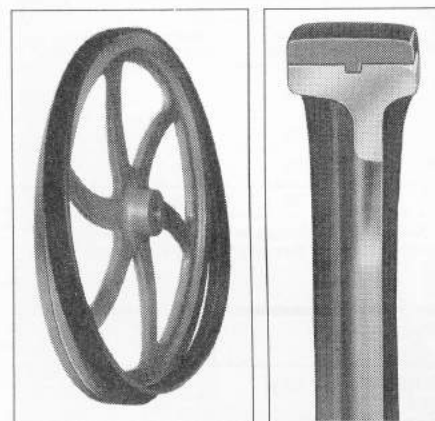
Capacity:	Wood/Non-Ferrous Cutting Band Saw	Metal Cutting Band Saw
Blade to column	19 $\frac{3}{4}$ " (501.65 mm)	19 $\frac{3}{4}$ " (501.65 mm)
Max. height under top guide	13 $\frac{1}{2}$ " (342.9 mm)	12 $\frac{1}{2}$ " (317.5 mm)
Height under upper wheel guard	12 $\frac{1}{2}$ " (317.5 mm)	12 $\frac{1}{2}$ " (317.5 mm)
Table:		
Size	20 x 24 $\frac{1}{2}$ " (508 x 622.3 mm)	24 $\frac{1}{4}$ " x 24 $\frac{1}{4}$ " (615.9 x 615.9 mm)
Front to center of blade	10 $\frac{1}{2}$ " (266.7 mm)	10 $\frac{1}{2}$ " (266.7 mm)
Size of groove for miter gauge	$\frac{3}{8}$ x $\frac{3}{4}$ " (9.52 x 19.05 mm)	$\frac{3}{8}$ x $\frac{3}{4}$ " (9.52 x 19.05 mm)
Center of groove to blade	4 $\frac{1}{8}$ " (104.77 mm)	4 $\frac{1}{8}$ " (104.77 mm)
Center of blade to rear edge of table	13 $\frac{1}{2}$ " (342.9 mm)	14" (355.6 mm)
Tilts	12° left and 45° right	12° left and 45° right
Trunnions	17" (431.8 mm) apart	17" (431.8 mm) apart
Height from floor	42 $\frac{1}{2}$ " (1079.5 mm)	42 $\frac{1}{2}$ " (1079.5 mm)
Speeds (with 1725 RPM Motor)	2000 and 4500 SF/M (609.6 and 1371.6 Surf. M/Min.) (To obtain non-ferrous cutting speed of 2000 SF/M (609.6 Surf. M/Min.), simply change V-belt setting on 2-speed pulley.)	50 to 530 SF/M (15.2 to 161.5 Surf. M/Min.)
Infinite choice of speeds in gear drive	NA	450 to 4500 SF/M (137.1 to 1371.6 Surf. M/Min.)
Infinite choice of speeds in direct drive	NA	
Wheels, Cast Iron:		
Diameter (tire mounted)	20 $\frac{1}{8}$ " (511.17 mm)	20 $\frac{1}{8}$ " (511.17 mm)
Width	1 $\frac{1}{4}$ " (31.75 mm)	1 $\frac{1}{4}$ " (31.75 mm)
Blades:		
Length: Standard	150" (3810 mm)	150" (3810 mm)
Maximum	151" (3835 mm)	151" (3835 mm)
Minimum	147" (3733.8 mm)	147" (3733.8 mm)
Width: Maximum	1" (25.4 mm)	1" (25.4 mm)
Floor Space Required	30 $\frac{3}{4}$ x 42" (781.05 x 1066.8 mm)	30 $\frac{3}{4}$ x 44" (781.05 x 1117.6 mm)
Chip Chute Connection Diameter	2 $\frac{1}{4}$ " (57.15 mm)	2 $\frac{1}{4}$ " (57.15 mm)
	For wood collection See Page O2	
Motor Plate	Accommodates NEMA 143T, 145T, 182T, 184T frame motors	Accommodates NEMA 143T, 145T, 182T, 184T frame motors
Overall Dimensions:		
Front to rear	30 $\frac{3}{4}$ " (781.05 mm)	30 $\frac{3}{4}$ " (781.05 mm)
Left to right	42" (1066.8 mm)	44" (1117.6 mm)
Height	79 $\frac{1}{2}$ " (2019.3 mm)	79 $\frac{1}{2}$ " (2019.3 mm)

Delta 20" Band Saw (continued)

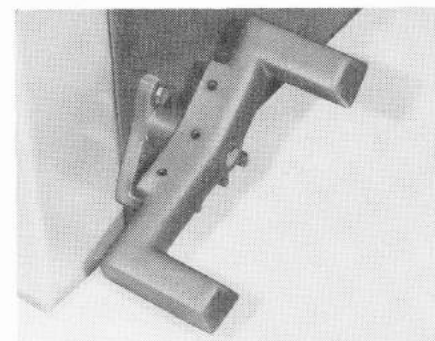
Delta 20" Band Saw Quality Features



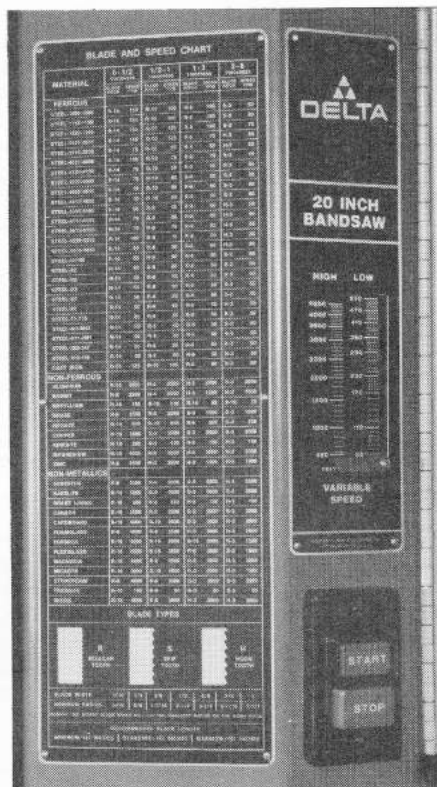
Preferred Blade Guide Design. Easily and quickly adjusted blade guides firmly support blade right down to work. Self-locking inserts contain tabs for accurate stacking of inserts to suit any blade width up to 1". Lower guide supports blade to within $\frac{1}{16}$ " from table surface. Two large ball bearings provide extra rigid back-up blade support. "Clear-view" protective guard keeps fingers away from blade, even when table is tilted to 45°.



Quick Change Tires. The specially constructed, "Snap-Lock" plastic tires are precision molded of tough, wear resistant TEXIN which is not affected by oil or commercial solvents. These tires do not have to be cemented to the wheel, never need to be ground or balanced, *will not come loose*. They can be replaced in about 10 minutes *without* removing the wheels.

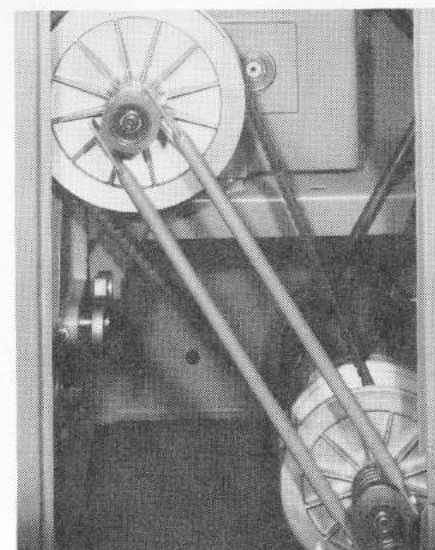


Foot-Operated Speed Changer (Metal Cutting Model). For fast speed changes. Operator simply pushes forward with toe to increase speed...down with heel to decrease speed. Easy-to-use control frees operator's hands for positioning work, also saves valuable production time.

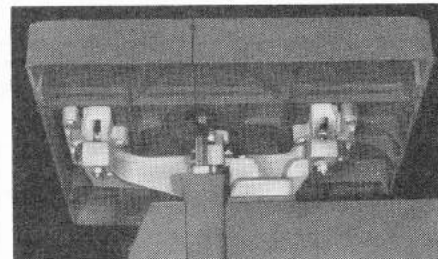


Handy Blade and Speed Chart (Metal Cutting Model). Aids operator in selecting the correct blade and speed for cutting many ferrous and non-ferrous metals, also non-metallic materials such as Formica and wood. Chart also gives minimum cutting radius for different blade widths.

Convenient Blade Speed Indicator (Metal Cutting Model). Located at eye level for easy reading. Right-hand column indicates low, back gear blade speeds whereas left-hand column provides high, direct drive readings.



Wide Range Variable Speed Drive (Metal Cutting Model). Provides a tremendous speed range that is infinitely variable...50 to 530 FPM in gear drive...450 to 4500 FPM in direct drive (no blind spots) for cutting anything that can be sawed.



Massive, Extra Rigid Table. Scientifically ribbed, *more than two-foot square* table rests on two solid trunnions, spaced 17" apart. Side take-out slot for blade permits trunnion support in front of the blade, where work load is greatest. Compare this table mounting with others that have the trunnions located behind the blade which results in lengthy table overhang and inadequate support for heavy work loads.



Protected Drive Selector (Metal Cutting Model). "Hi-Lo" drive selector, for shifting transmission from direct drive to back gear, is located out of the way, inside lower cabinet. This prevents accidental shifting while blade is running.

Additional Delta Quality Features

Telescopic Blade Guard. Wrap-around design encloses blade from guide to upper wheel housing for maximum operator protection. Solid guide bar absorbs back thrust and is counter-balanced to hold blade guide at any position.

Unique "3-Point" Adjustability. Only Delta 20" Band Saws incorporate a "3-point" adjustability feature whereby the upper wheel, upper guide bracket, table and lower wheel can be minutely adjusted one to another. This exclusive, built-into-the-frame feature assures continued factory-adjusted machine alignment and perfect saw cuts for the life of the machine.

Chip Blower keeps cutting line free of chips for truer sawing.

Specially Designed Wheels, precision balanced with rims fully machined concentric to the shaft hole, guarantee smooth, safe running, even at high speeds.

Handy Blade Tension and Tracking Controls facilitate accurate adjustment of both blade and wheel. Eye-level tension scale inside cabinet enables operator to select exact tension to suit the job.

Exclusive "Locked-In" Table Insert cannot rotate and get chewed up by the blade.

Built-In Blade and Tire Cleaning Brushes (Metal Cutting Model) provide continuous cleaning action that lengthens blade and tire life.

Delta 20" Band Saw Accessories

Premium Wood and Metal Cutting Band Saw Blades

Made of pre-hardened and polished high carbon steel, blades are hard-tooth, flexible back type for faster cutting; longer life. All .025" thick; 150" long. 2 lbs. each.

For cutting all kinds of woods; also aluminum, magnesium, plastics, compositions.

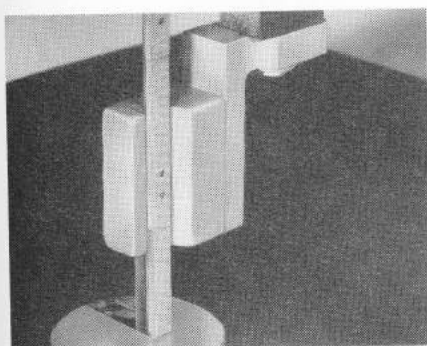
Number	Width	Minimum Cut. Rad.	Teeth Per Inch
28-725	3/16"	5/16"	6
28-726	1/4"	5/8"	6
28-727	3/8"	1 3/8"	6
28-728	1/2"	2 1/2"	6

For cutting all ferrous and non ferrous metals.

Number	Minimum Width	Teeth Cut. Rad.	Per Inch
28-742	1/2"	2 1/2"	10
28-744	1/2"	2 1/2"	18

No. 50-238 20" Band Saw/Dust Collector Connector. Attaches to 2 3/8" dia. dust spout of band saw increasing outlet to 5" dia. For use with No. 50-180 1HP, 50-181 2HP or 50-182 3HP Dust Collector.

For adapters and quick-disconnects, see Dust Collectors.

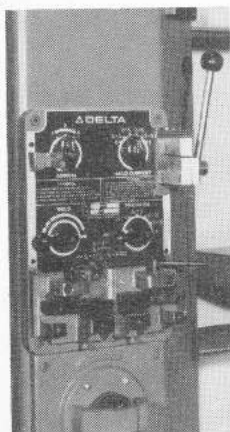


No. 28-700 File Band Guide Attachment. Easily bolts to guide block. Includes mounting hardware. File band and guide block are not supplied by Delta.

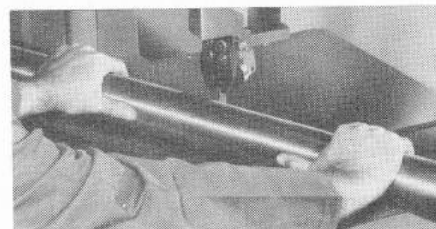
No. 28-714 Blade Welder and Flash Grinder, 115 V, 50/60 cycles, single phase, 3 KVA. Mounts flush into band saw column. Capacity 1/2" to 1" Blade Shear not included; order separately.

NOTE: All Delta 20" Band Saws are set up to accept welders in the field simply by using common hand tools.

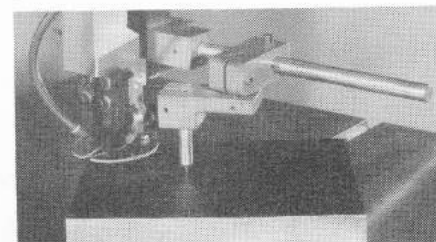
No. 28-715 Blade Welder and Flash Grinder. Same as 28-714 but for 230 V, single phase.



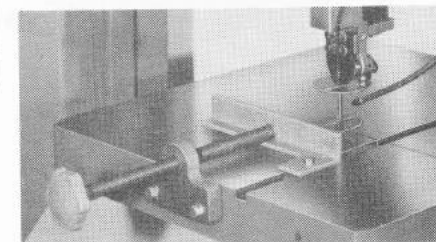
No. 28-005 Blade Shear for mounting on welder face. Capacity to 1".



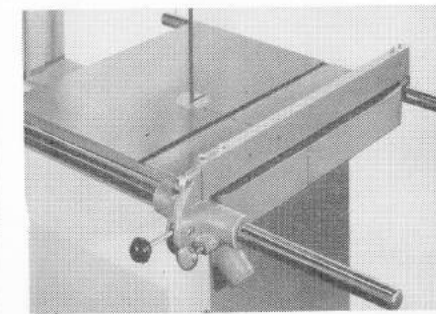
No. 28-703 30° Angle Blade Guides. Consist of blade fingers, back-up bearing and guide block.



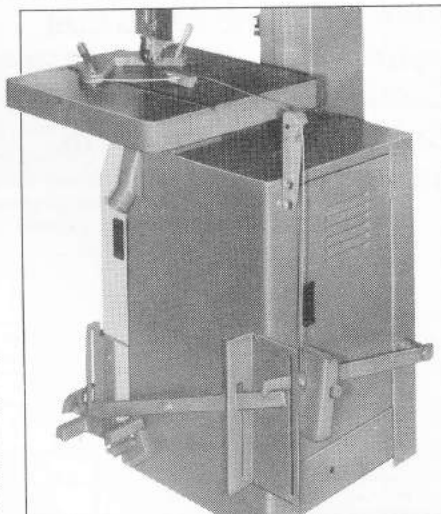
No. 28-704 Circle Cutting Attachment. Attaches quickly to guide arm, permitting radius cuts from 1 1/2" to 15" in diameter.



No. 28-705 Screw Feed Attachment. Consists of table mounting bracket, screw with handle, and angle feed block.



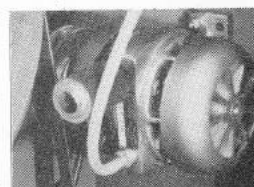
No. 28-862 Fence Attachment for ripping and re-sawing lumber. Includes 2 1/2 x 27" Micro-Set fence with front and rear locks, two 44" tubular guide rails, mounting screws. Fence may be set anywhere from 15 1/2" to left of blade and 25" to right, with pointer and calibrations reading from zero to 25" to right.



No. 28-708 Gravity Feed Attachment. Used primarily to avoid operator fatigue. Provides a variable feed pressure of approximately 5 to 29 pounds with standard 30-pound weight provided. Enables operator to devote his entire attention to guiding the work, assuring more accurate cutting. (For additional feed pressure, order extra weights.) Fits all past or present Delta 20" Metal Cutting Band Saws.

No. 28-826 Extra Weight. For 28-708 Gravity Feed Attachment. With one extra weight, attachment provides approximately 10 to 41 pounds feed pressure, or with two extra weights, 15 to 50 pounds.

No. 28-720 Chip Blower. Consists of pump with pulley and "O" belt. For field mounting.



No. 28-711 Safety Lock-Out Switch, factory mounted. For machines with magnetic controls only. Automatically shuts off power when lower wheel door is opened.

No. 25-857 Lamp Attachment, for 115 V. Includes 18" flexible gooseneck, reflector and 6-foot cord with 3-prong grounding type plug. Uses standard bulb (not included) up to 100 watts. 3 lbs.

No. 25-857 Lamp Attachment, for 115 V. Includes 18" flexible gooseneck, reflector and 6-foot cord with 3-prong grounding type plug. Uses standard bulb (not included) up to 100 watts. 3 lbs.

For 20" Wood/Non-Ferrous Cutting Band Saw

No. 41-709 Motor Pulley, 7/8" bore, for 143T and 145T frame motors.

No. 41-710 Motor Pulley, 1 1/8" bore, for 182T and 184T frame motors.

No. 50-238 20" Band Saw Dust Collector Connector. Attaches to 2 3/8" dia. dust spout on band saw increasing outlet to 5" dia. for hook-up to wood dust collector.

For 20" Metal Cutting Band Saw

No. 49-159 Variable Speed Belt, 55" O.C.

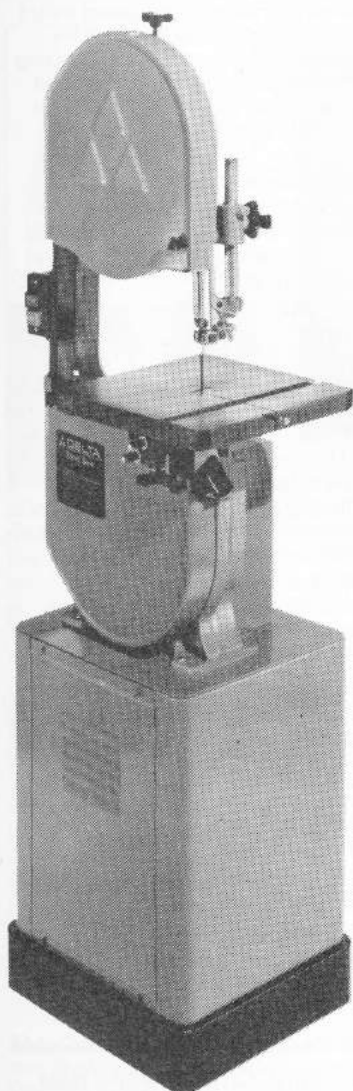
Delta 14" Band Saws

Select the model to suit your needs: Wood-Cutting or Metal/Wood-Cutting. First choice in industry!

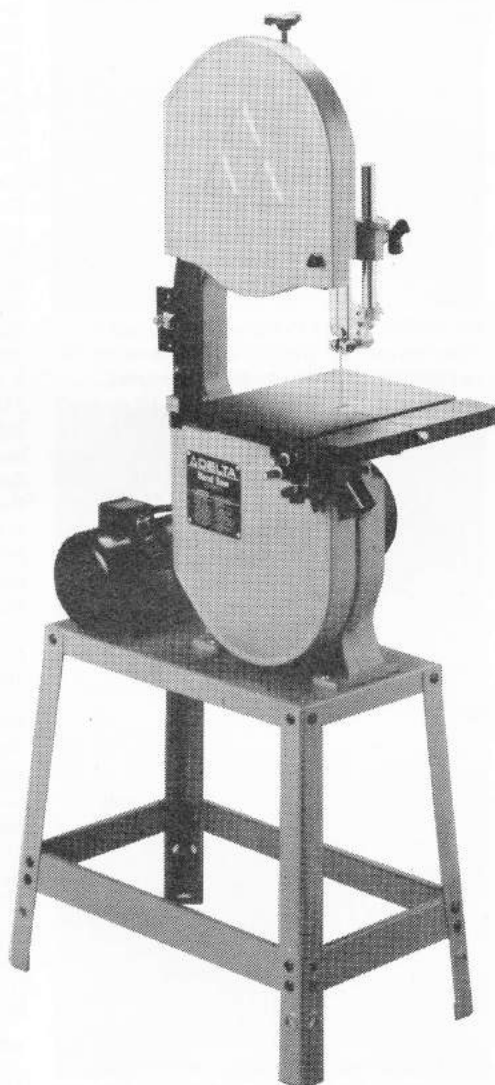
Shop owners everywhere prefer versatile Delta 14" Band Saws because they give high-quality performance. They're ideal for contour cutting, straight cutting, or resawing (especially with the No. 28-984 Height Attachment). The wood-cutting model, when equipped with skip tooth saw blades, will cut wood, plastic, building materials, bakelite and non-ferrous metals such as aluminum and copper. The metal-cutting model, with eight speeds from 40 to 3000 FPM, will cut everything from stainless steel, armor plate, high-speed steel, alloy steel and cast iron to wood and plastic. To change from direct to gear drive, you simply shift a knob.

When you check all their fine features, such as—the resilient motor mount that practically eliminates noise and vibration; the micrometer adjustment blade guides; widely spaced double table trunnions; precision balanced, die-cast aluminum wheels; double sealed, lubricated-for-life ball bearings; hinged wheel guards—you can see why Delta 14" Band Saws are capably serving customers in all types of installations throughout the world.

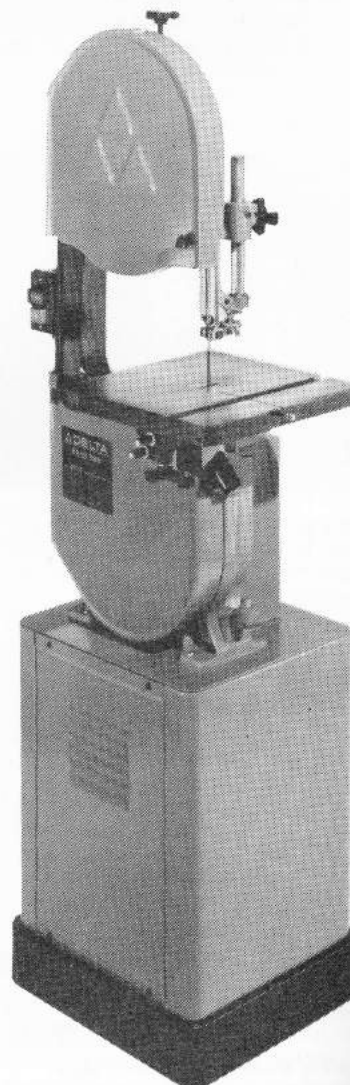
If you have need for an accurate, versatile, productive 14" band saw, choose a Delta. There is no equal!



14" Wood Cutting Band Saw shown on enclosed steel stand.



14" Wood Cutting Band Saw shown on steel stand.



14" Metal/Wood Cutting Band Saw shown on enclosed steel stand.

Catalog



NOTE: Single
Three phase
and Plug supply
may be ordered



Machine

Overall Dimensions
Height on stand
Width on stand
Width on table
Front to rear

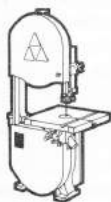
Capacities
Blade to frame
Under guide
Under guide
(with 28-984)

Speeds (with
Wood Cutting
Metal/Wood

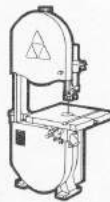
Table:
Size
Groove
Tilt
Height from

Blade:
Width: Max
Length: Max
Mini
Star
Length (with
Max
Mini
Star

Catalog Listing



No. 28-203 14" Wood Cutting Band Saw with wheel and blade guards, belt guard, chip chute, 6" arbor pulley, 49-173 V-belt, 41-033 motor pulley (with $\frac{5}{8}$ " bore), blade guides and 28-034 wood cutting blade. Without stand, motor or switch. 144 lbs.



No. 28-303 14" Metal/Wood Cutting Band Saw with wheel and blade guards, belt guard, chip chute, 7" arbor pulley for wood cutting, 41-724 4-step arbor pulley (with $\frac{3}{4}$ " bore) for metal cutting, $\frac{3}{4}$ " to $\frac{5}{8}$ " reducing bushing for motor pulley, 49-111 (set of two) matched V-belts, 41-714 4-step motor pulley (with $\frac{3}{4}$ " bore), blade guides and 28-062 metal cutting blade. Without stand, motor or switch. 168 lbs.



Enclosed Steel Stand with motor and controls factory mounted and wired. For Catalog Nos. 28-203 and 28-303.

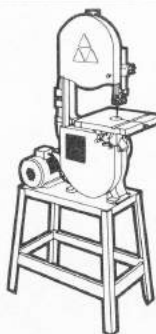
Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
52-963	Single Phase, $\frac{3}{4}$ HP	Push Button Switch only	TEFC	60-1725	115/230	80
52-964		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	81
52-972†	Three Phase, $\frac{3}{4}$ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	94
52-973			TEFC	60-1725	200	94

NOTE: Single phase electricals will be supplied wired for 115V, unless 230V is specified. Three phase electricals will be supplied wired for 230V, unless 460V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Delta 14" Band Saws may be ordered unmounted.

†**No. 49-000 "JIC" Type Control Kit.** Specify this catalog number in addition to Three Phase Cat. No. 52-972, in order to obtain 14" Band Saw with "JIC" type electricals, factory mounted and wired.



No. 28-283 14" Wood Cutting Band Saw with $\frac{3}{4}$ HP Motor and Enclosed Stand. Includes 28-203 basic machine, 52-963 enclosed stand with $\frac{3}{4}$ HP, 115/230V, 60 Hz., 1725 RPM, single phase, TEFC motor with resilient mount; push button switch; chip chute; wheel and blade guards; arbor and motor pulleys; V-belt; blade guides; 28-034 wood cutting blade. 224 lbs.



No. 28-245 14" Wood Cutting Band Saw with $\frac{1}{2}$ HP Motor and Stand. Includes 28-203 basic machine, open steel stand with $\frac{1}{2}$ HP, 115V, 60 Hz., 1725 RPM, single phase, capacitor start motor; 8' cord and 115V grounding type plug; remote control on-off toggle switch and cord connected to motor; chip chute; wheel, blade and belt guards; arbor and motor pulleys; V-belt; blade guides; 28-034 wood cutting blade. 201 lbs.

Machine Data

Overall Dimensions:

Height on stand	65½" (1663.7 mm)
Width on enclosed stand	25" (635 mm)
Width on open stand	31" (787.4 mm)
Front to rear	17½" (444.5 mm)

Capacities:

Blade to frame	13¾" (349.2 mm)
Under guide and wheel	6¼" (158.7 mm)
Under guide and wheel (with 28-984 height attachment)	12¼" (311.1 mm)

Speeds (with 1725 RPM motor)

Wood Cutting Model	3000 SF/M (914.4 Surf. M/Min.)
Metal/Wood Cutting Model	40, 60, 85, 115, 160, 220, 335, 3000 SF/M (12.1, 18.2, 25.9, 35, 48.7, 67 and 102.1 Surf. M/Min.)

Table:

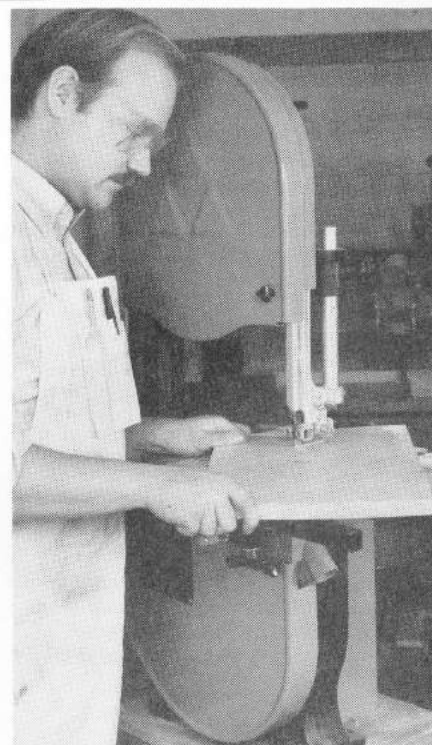
Size	14 x 14" (355.6 x 355.6 mm)
Groove	⅜" (9.5 mm) deep by ¾" (19.05 mm) wide
Tilt	to right, 45°; to left, 10°
Height from floor	42¾" (1085.8 mm)

Blade:

Width: Maximum	¾" (19.05 mm)
Length: Maximum	94" (2387.6 mm)
Minimum	91½" (2324.1 mm)
Standard	93½" (2374.9 mm)

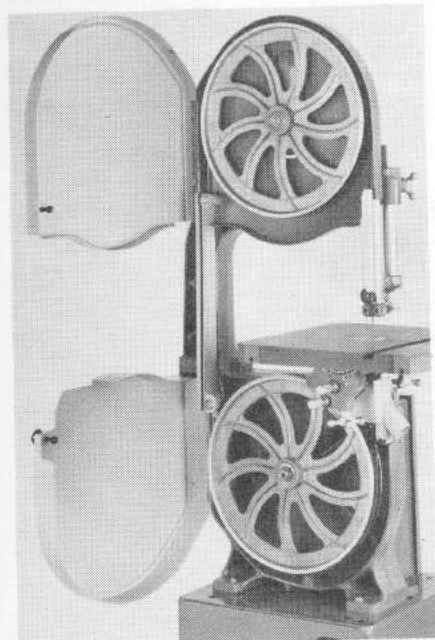
Length (with 28-984 height attachment):

Maximum	106" (2692.4 mm)
Minimum	103½" (2628.9 mm)
Standard	105" (2667 mm)

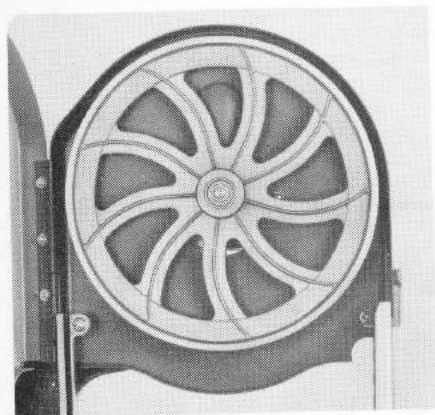


Delta 14" Band Saws (continued)

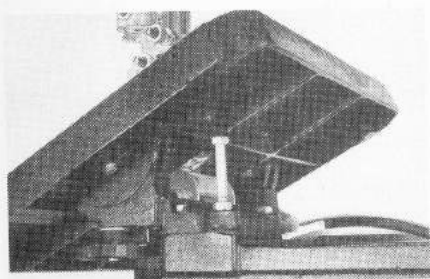
Delta 14" Band Saw Quality Features



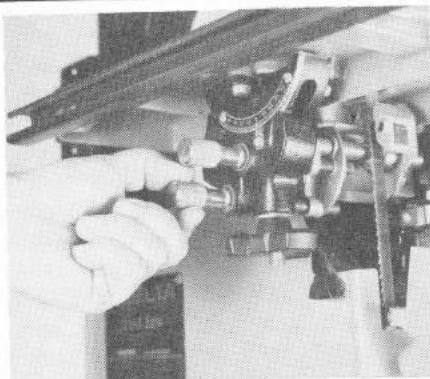
New Wheel Guards. Steel, hinged wheel guards open instantly and wide for fast, easy saw blade changes.



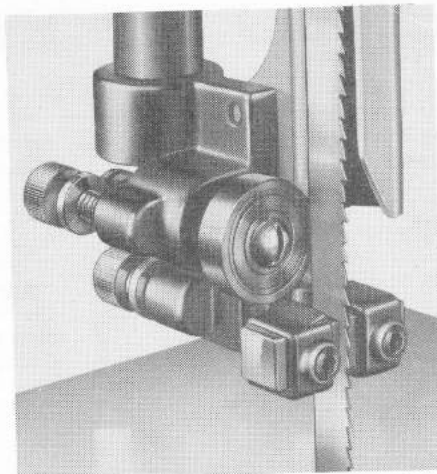
Smooth Running Wheels. Sturdy die-cast aluminum wheels are precision balanced with rims fully machined concentric with the shaft hole, for smooth running. Recess in rim eliminates use of messy cement—makes tire changing easy.



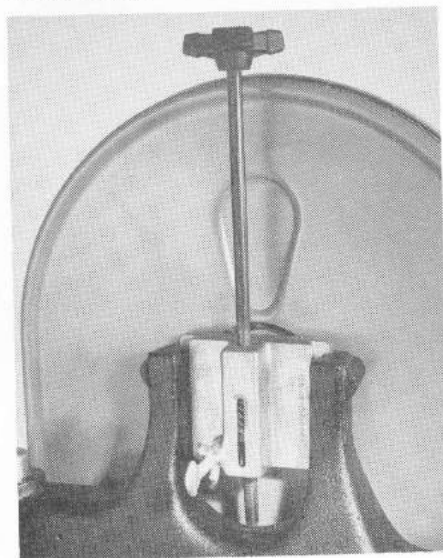
Special Table Stop. Table tilts full 45° to the right. Adjustable positive stop assures accurate resetting to level position. Stop can be removed for 10° left tilt.



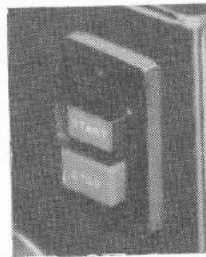
Precision Lower Blade Guides. Lower blade guides have safe, accurate, remote control micrometer adjustment. Lower guides support blade to within 3/4" of table work surface—assure accurate cutting.



Superior Upper Blade Guide Construction. Upper guide has separate, safe, remote control micrometer adjustments for ball bearing blade support and blade guide blocks. Guides and blade supports adjust independently.

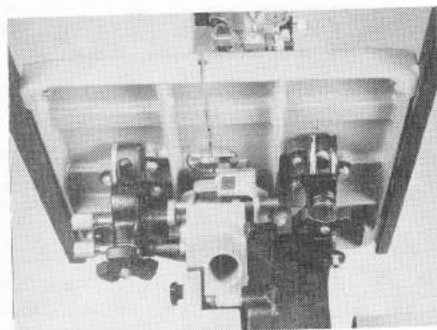


Exact Tension Blade Scale. Direct reading scale on blade tension adjustment shows correct tension for different blade widths. Scale readings are not affected by variable blade lengths.



Exclusive Delta 24-Volt Safety Control System. 14" Band Saws offer a low 24 volts at the push button station for extra operator safety. Magnetic motor control system, mounted in dust-tight enclosure, provides

on-off control, low-voltage control and no-voltage protection. Switch cover and buttons are made of non-conductive material for safety.



Specially Designed Table. Side take-out slot for blade permits use of solid front trunnion (not split for blade removal) located directly under work load. Rip fence guide rails need not be removed when changing blades.

Additional Delta Quality Features

Double-Sealed, Lubricated-For-Life Ball Bearings for upper and lower wheels and blade supports and all shafts of back gear unit insure many years of trouble-free performance.

Upper and Lower Wheels are completely guarded. All portions of blade are enclosed and guarded except portion actually cutting material.

Rugged 14 x 14" Table has a 3/8 x 3/4" miter gage groove. Machined for rip fence. Widely spaced double trunnions and heavy ribbing provide rigid support for work.

Guides are finest type ever offered. Each adjusts independently of the other, also adjusts with micrometer accuracy. Guide pins can be set to blade teeth without disturbing the setting of the blade supports; blade supports can be set without altering adjustment of guide pins. Ball bearing blade supports are reversible and double-sealed.

Aluminum Wheels are carefully balanced for true running, also rimmed for proper mounting of tire.

New Chip Chute directs sawdust and chips down and away from lower wheel and housing...may be easily connected to a central exhaust system.

New Style Blade Guide Bar has V-groove design for positive locking of blade guide at desired setting.

Delta

For 14"

No. 41-03
bore. 1/2 lb.
No. 49-17
No. 50-23
Connect
5" dia. ou

For 14"
Band S

No. 41-7
1 lb.
No. 49-1
and 58%

For 14"

No. 50-
50-139
No. 50-
on strai
No. 50-
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No. 2
Inclu
8-foot
inclu

Heig
14"
guid
No.
bloc
gua

Delta 14" Band Saw Accessories

For 14" Wood Cutting Band Saw

No. 41-033 Motor Pulley, 23/4" diameter, 5/8" bore. 1/2 lb.

No. 49-173 V-Belt, 57 1/8" O.C.

No. 50-239 14" Band Saw Dust Collector Connector. Replaces dust spout on bandsaw. 5" dia. outlet for hook-up to wood dust collector.

For 14" Metal/Wood Cutting Band Saw

No. 41-713 Motor Pulley, 4-step, 5/8" bore. 1 lb.

No. 49-111 V-Belts, matched set of two, 41" and 58 5/8" O.C.

For 14" Band Saws

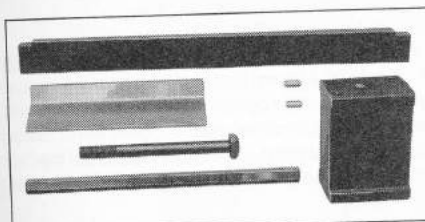
No. 50-122 Enclosed Steel Stand. Includes 50-139 basic stand and motor plate. 54 lbs.

No. 50-275 Mobile Base. For 14" Band Saw on straight leg open type stand. 23 lbs.

No. 50-274 Mobile Base. For 14" Band Saw on enclosed type stand. 19 lbs.

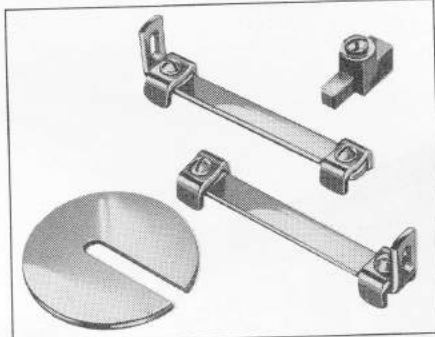


No. 25-858 Lamp Attachment, for 115 V. Includes 9" flexible gooseneck, reflector and 8-foot cord with plug. Uses standard bulb (not included) up to 40 watts. 2 lbs.

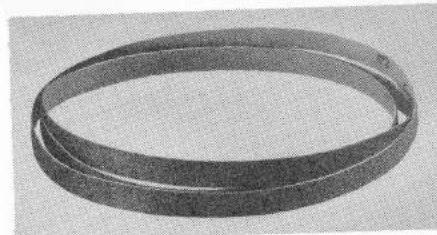


Height Attachment. Increases capacity of 14" Band Saw from 6 1/4" to 12 1/4" under the guide. Add at any time. Needs 105" blades.

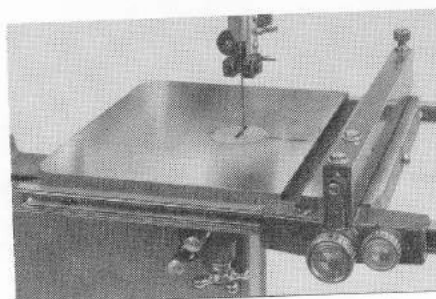
No. 28-984 Height Attachment with cast block, dowels and bolt, extension front blade guard, wood back blade guard. 12 lbs.



No. 28-810 Sanding Attachment. Includes flat and curved platens with guides and mounting brackets. 1 lb.

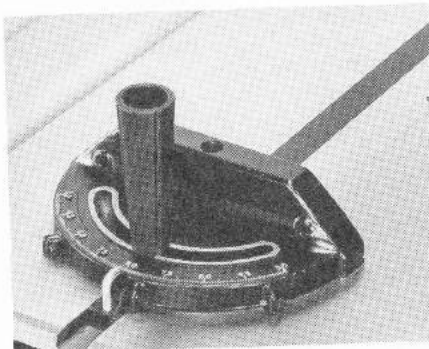


No. 28-836 Abrasive Belt. Al. Oxide type, two, No. 80 grit, 1/2" wide 93" long. 1 lb.



No. 28-843 Rip Fence. With 18" guide bars and mounting screws. 8 lbs.

No. 28-845 Rip Fence. With 32" guide bars and mounting screws. 12 lbs.

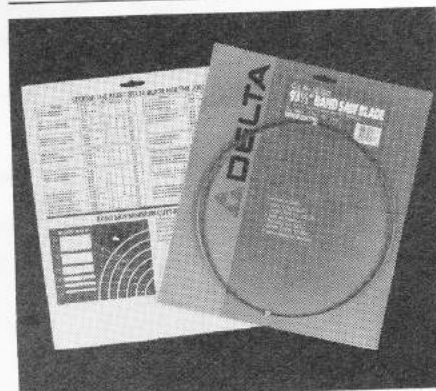


No. 34-895 Miter Gage. For straight and angle operations. Has 3/8 x 3/4 x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions. 4 lbs.

No. 34-568 Clamp Attachment for Miter Gage. With clamp bar, two sliding clamp screws, and front and rear posts. 1 1/2" lbs.

No. 34-873 Extra Clamp Screw and Block. For Clamp Attachment. 1/2 lb.

Wood Cutting Band Saw Blades



High carbon steel blades with precision machined and set teeth for cutting accuracy. Tension-tested for strength. For cutting woods, plastics, compositions; non-ferrous metals including aluminum. All .020" thick, 93 1/2" blades are standard; 105" blades used with 28-984 Height Attachment. 1/2 lb. each.

Number (93 1/2" Long)	Number (105" Long)	Width	Min. Cut. Rad.	Teeth Per In.
28-032	28-045	1/8"	3/16"	14
28-033	28-046	3/16"	5/16"	6
28-034	28-047	1/4"	5/8"	6
28-036	28-048	3/8"	1 3/8"	6
28-038	28-050	1/2"	2 1/2"	6
28-040	28-052	3/4"	5 1/2"	4

Premium Wood and Metal Cutting Band Saw Blades

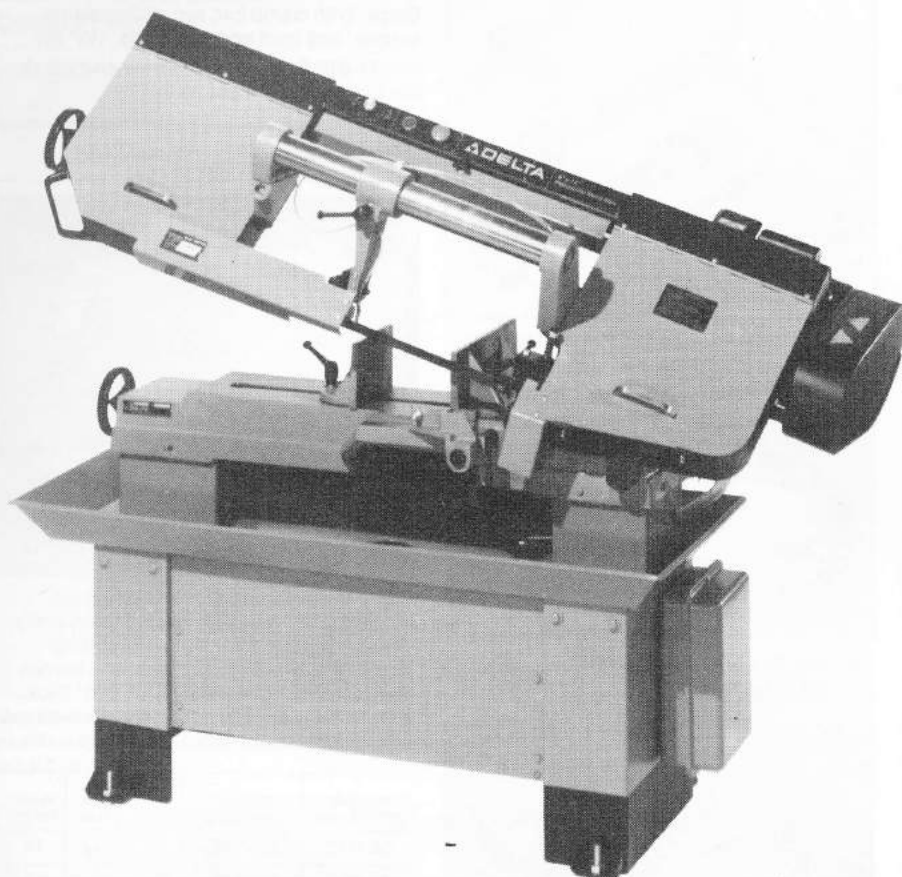
Made of pre-hardened and polished high carbon steel, blades are hard-tooth, flexible back type for faster cutting; longer life. All .025" thick; 93 1/2" long. 1/2 lb. each. For cutting all kinds of woods; also aluminum, magnesium, plastics, compositions.

Number	Width	Minimum Cut. Rad.	Teeth Per Inch
28-884	1/4"	5/8"	6
28-885	3/8"	1 3/8"	4
28-886	1/2"	2 1/2"	4

For cutting all ferrous and non-ferrous metals.

Number	Width	Minimum Cut. Rad.	Teeth Per Inch
28-060	1/2"	2 1/2"	14
28-062	1/2"	2 1/2"	18
28-064	1/2"	2 1/2"	24

Delta 8 x 14" Horizontal Band Saw

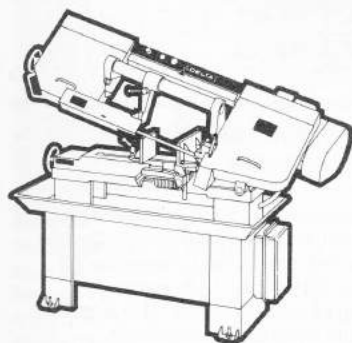


This sturdy machine is well suited for job shops, schools, metal fabricators and maintenance departments — anywhere speed and quality of cut are priorities.

The quality features built into this unit insure convenient and dependable operation:

- Four blade speeds enable precise and accurate cutting in a variety of materials ranging from hard cast iron, tool steel and bronze to aluminum and plastics.
- Cutting pressure is factory-set for fast cutting without blade damage. The heavy bridge, cast iron blade guide arm and dual blade guides maintain the set of the blade for continued accuracy.
- All controls are conveniently located for the operator; spring loaded handles eliminate the need for tools for most adjustments.
- Factory installed coolant system with regulator valve provides an even flow of coolant to the blade; includes a four and a half gallon coolant tank.

Catalog Listing



Complete 8 x 14" Horizontal Band Saw. Includes basic machine, steel legs and shelf, bar stock stop, roller blade guides, chip removal brush, coolant and chip pan, two 4-step pulleys, carbon steel blade for general purpose cutting and V-belt. With electricals and coolant pump system.

Machine Data

Capacity:

Diameter at 90° 8" (203.20mm)
Rectangular at 90° 8" x 12½" (203.20 x 317.50mm)
3½" x 14" (88.90 x 355.60mm)
Rectangular at 45° 7¼" x 8" (181.15 x 203.20mm)

Blade:

Length 9' 8½" (2970.00mm)
Width ¾" (19.05mm)
Type Carbon-Steel or Bi-Metal Blades Recommended

Drive:

1½ HP Motor with V-Belt drive with 4 Step Cast Iron Step Pulleys, worm gear machine ground with phosphor bronze worm gear
50, 125, 200, 275 FPM
(15.25, 38.13, 61.00, 83.87 MP/M)

Speeds:

Blade Wheels:

13" dia. (330.20mm) flanged cast iron

Head Control:

Hydraulic cylinder operated by needle valve

Blade Guides:

Roller bearing and carbide

Construction:

Heavy cast iron bed, precision machined top surface. Frame pivots on heavy cylindrical roller bearings.

Floor Space:

39½" x 14½" (1003.30 x 368.30mm)

Machine Weight:

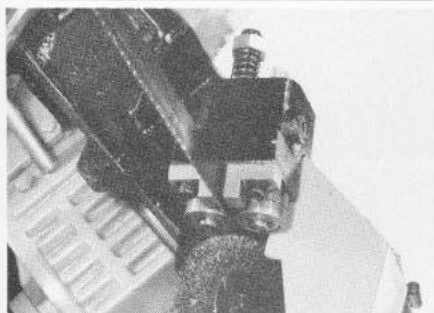
730 lbs. (336.4 kg)

Cat. No.	Motor	Motor Control	Motor Encl.	Hertz & Motor RPM	Motor Voltage	Shipping Weight
20-714	Single Phase 1½HP	24V Push Button Station Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60 1725	230V	745
20-715	Three Phase 1½HP	24V Push Button Station Magnetic Starter, Transformer and 3-leg Overload Protection (LVC)	TEFC	60 1725	230V	740
20-716			TEFC	60 1725	200V	740
20-717			TEFC	60 1725	460V	740
20-719	Single Phase 1½HP	Toggle Switch Only Note: Plug for Coolant Pump Motor on this model must be purchased separately	OGDP	60 1725	230V	730

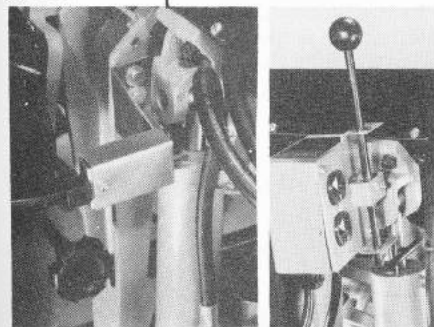
OGDP - Open Guarded Drip Proof

TEFC - Totally Enclosed Fan Cooled

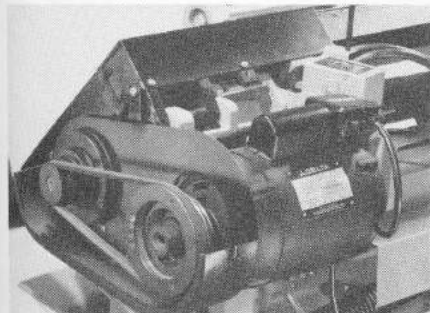
Quality Features



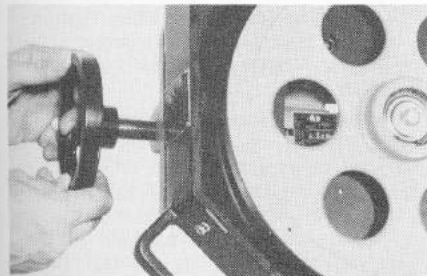
Efficient Blade Guide System. Roller bearing guides support blade thrust. Carbide guides fit closer to blade for increased accuracy; resists friction wear. Standard equipment wire brush clears chips from tooth gullets.



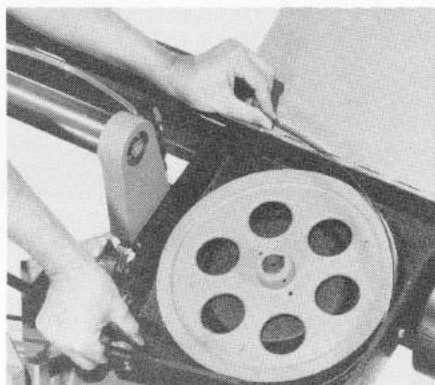
Automatic Shut Off. Band saw, coolant pump and accessories are controlled by LVC switch (L) or toggle switch (R) and shut off automatically upon completion.



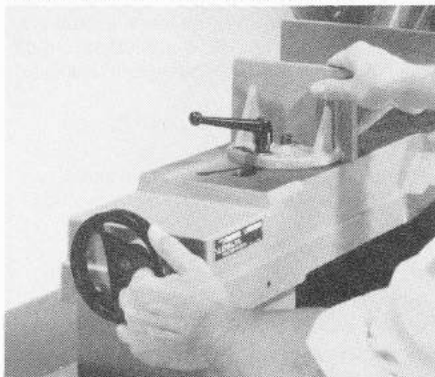
Efficient Drive System. Fan cooled 1½ HP motor combined with steel worm gear drive and cast iron pulley system provides positive power to the blade. 4-step pulleys offer blade surface speeds of 50, 125, 200 and 275 FPM.



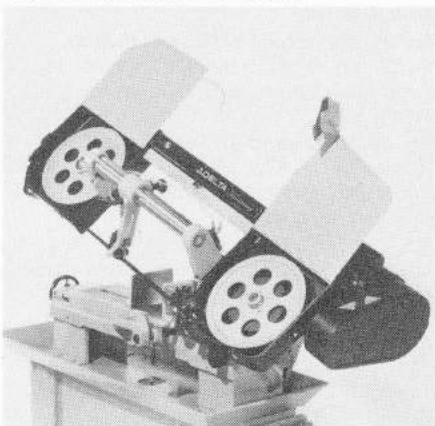
Adjustable Blade Tension. Increase or decrease tension with a simple turn of the handwheel. Built-in scale displays blade tension in pounds per square inch up to 35,000 PSI.



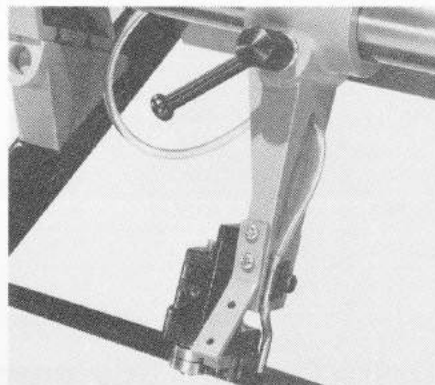
Fast Blade Changes. Front blade wheel covers allow easy access to the blade. No tools or adjustments are necessary if replacing the same width and type blade.



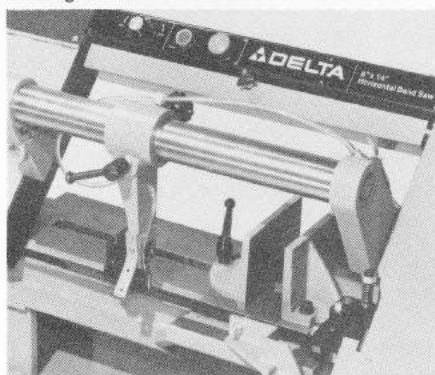
Quick Positioning Vice. Tighten workpiece by turning handwheel clockwise. For faster positioning, turn handwheel counterclockwise a half turn and slide vise jaw to desired position and lock. Adjustable vise jaws can be swivelled for cutting any angle from 90° to 45°. Face of sliding vise jaw inclined 2 degrees for more secure hold on workpiece.



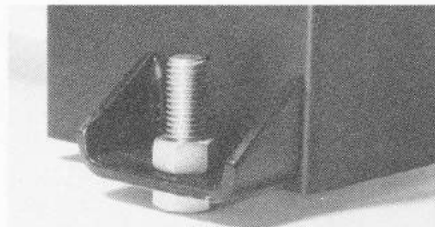
Heavy Structural Design. Heavy gage steel constructed stand for support accuracy. Standard bevelled chip pan incorporates strainer for coolant recycling, access for chip removal.



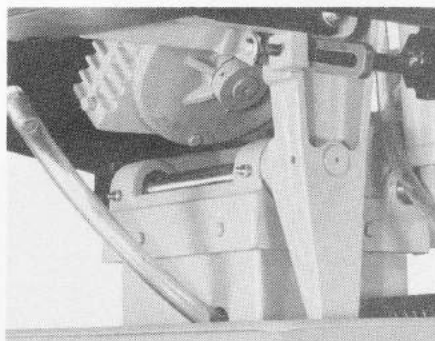
Rigid Blade Guide Arm. Cast iron arm supports blade guide to maintain true cutting accuracy; resists movement even at high cutting rate under load. Split coolant jet coats and lubricates blade immediately prior to cutting.



Rigid Construction. Heavy bridge maintains alignment of blade arm. Ground finish surface facilitates moving left hand guide close to workpiece.



Cabinet Stability. Cabinet feet come equipped with leveling screws. Stand can be secured to floor for added stability.

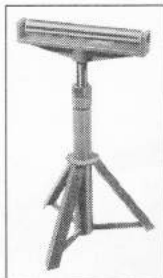


Pivot Point with cylindrical roller bearings key in maintaining accuracy. Field replaceable with grease fittings.

Delta Horizontal Band Saw Accessories

Metal Cutting Band Saw Blades. Hard tooth, bi-metal flexible back type with raker tooth structure for cutting metals. All 9'8⁵/₁₆" long.

Cat. No.	Width	Thick-ness	Teeth Per Inch
20-721	3/4"	.032"	10
20-722	3/4"	.032"	6
20-723	3/4"	.032"	8
20-724	3/4"	.032"	14
20-725	3/4"	.032"	8/12 Variable



No. 20-904 Bar Stock Stand. Adjustable in height from 17³/₄" to 30¹/₂". 10" roller width. 20 lbs.

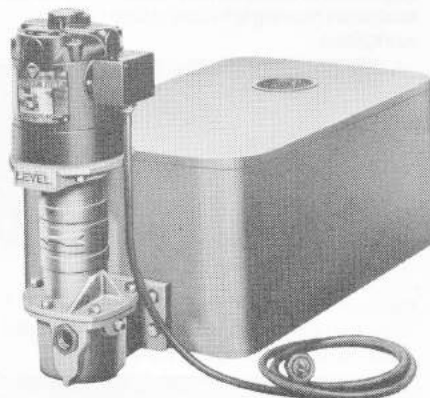
No. 20-949 Dash Pot Oil. Mobile-DTE Light. One quart can. 2 lbs.

Delta Coolant Equipment

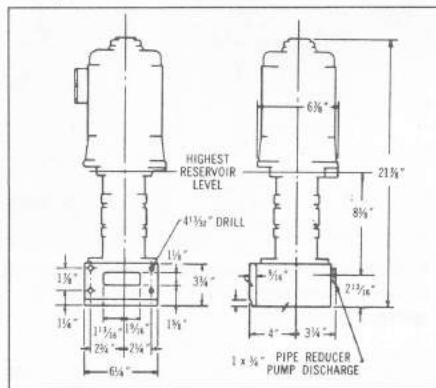
Get more machine flexibility with Delta coolant equipment

Here's the perfect answer for big cost savings on your production jobs. Delta coolant equipment gives you these important benefits:

1. **Lubricates the cut**—maintains feeds and speeds with less horsepower.
2. **Cools the work and cutting tool**—prevents overheating or discoloration of work.
3. **Flushes chips away from the work**—assures a higher quality finish.



16-Gallon Coolant System shown with Pump, Cord, Switch and Tank.



Delta 16-Gallon Coolant System

Big capacity 1/4 HP pump provides a full flood of coolant making it ideal for use with multiple spindle drill presses. Also metal lathes, cut-off machines, etc. Check these built-in Quality Features:

- Adjustable—can be shut down to mere trickle without damage.
- 16-gallon tank has settling basin and wire mesh filter to keep coolant free from chips.

For Single Phase Operation

No. 49-610 Coolant Pump complete with 1/4 HP, 115 V, 60 hz, AC, 1725 RPM motor. 68 lbs. Order 49-618, 49-312 separately.

For 3 Phase Operation

No. 49-619 Coolant Pump complete with 1/4 HP, 230/460 V, 60 hz, AC, 1725 RPM motor. 68 lbs. Order 49-618 separately.

Accessories

No. 49-618 Tank. 16-gal. capacity, 15⁷/₈ x 25⁷/₈ x 11" high, required with any of above pumps. 38 lbs.

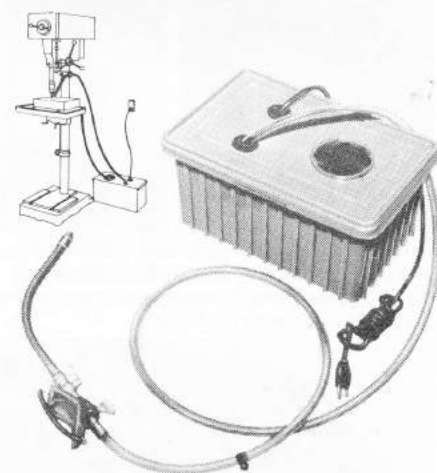
No. 49-312 On-and-off Toggle Switch. 2-pole, 1 1/2 HP, AC, 115/230V. Includes 115V 8-foot cord, 3-prong grounding type plug and clamp. 2 lbs.

No. 49-313 On-and-off Toggle Switch. 2-pole, 1 1/2 HP, AC, 115/230V. Includes 230V 8-foot cord, 3-prong grounding type tandem plug and clamp. 2 lbs.

No. 17-802 Coolant Line Assembly. For single or multiple spindle drill presses or any machine with a round column from 2³/₄ to 4" diameter. Includes nozzle, valve, column mounting clamp and flexible hose assembly for providing coolant feed and connection to piping (coolant piping, table clamps not furnished). 3 lbs.

Delta 5-Gallon Coolant System

Delta's 5-Gallon Coolant System is well suited for use with single spindle drill presses having a column from 2³/₄ to 4" in diameter, also non-metal bandsaws.



The system incorporates these Delta quality features:

- Pump is hermetically sealed, has life-time lubrication, a nylon impeller and double "X" viton double lip seals.
- Equipped with a U.L. approved, 3-conductor, grounding type cord and plug.
- Flow of coolant can be regulated to any amount desired or completely shut off, without harmful effects.
- Double protection is provided against chips recirculating and causing a bad finish on the work. A screen traps the larger particles. A baffle in the tank provides a settling basin.

No. 49-620 5-Gallon Coolant System for 115 V, 60 hertz, single phase. Includes submersible pump with 1/4" male outlet, 5-gallon tank with screen and baffle, 6-foot plastic hose, flexible pipe with nozzle and valve, and 6-foot 3-conductor power cord with 3-prong 115 V grounding plug. The universal clamp with garter spring may be instantly snapped onto any round drill press column from 2³/₄ to 4" in diameter. It firmly holds and points nozzle exactly at hole being drilled. Does not include drain hose from machine table to coolant tank. 17 1/2 lbs.

Delta Plate Joiner

Now...Stationary Tool Accuracy and
Convenience In a Biscuit Joining Machine.



Delta Plate Joiner

A low cost alternative to doweling equipment. Makes it easy for small woodworking shops to build frameless cabinets using plate or biscuit joining instead of dowel construction.

The Delta Plate Joiner efficiently handles edge, face, bevel edge, bevel end, butt and miter joining; also dadoing and Tee-moulding operations.

Unlike the various machines, jigs and fixtures used in doweling operations, setup and operation of the Delta Plate Joiner for joining cabinet and furniture components is simple and fast. What's more, mating the components using biscuits instead of dowels is simpler since the oval shaped biscuits allow some adjustment of the pieces for perfectly flush ends.

On the Delta Plate Joiner, you'll find a handy control for setting the depth of the cut that features preset stops for cutting slots to match standard No. 0, 10 and 20 size biscuits. Center and width-of-cut lines for all three biscuit sizes are scribed on the fence for easy referencing.

During operation, a spring-action foot pedal controls the plunging action of a long-lasting carbide-tipped blade. The blade automatically retracts when pedal is released. The operator's hands are left free.

A big 8" x 12" die cast aluminum table provides the needed support for large work. It raises and lowers to accommodate various thicknesses of stock. A micro-set adjustment control facilitates fine tuning table height settings. The table is also slotted to handle an adjustable stock stop for edge or miter joining and is especially useful on repetitive

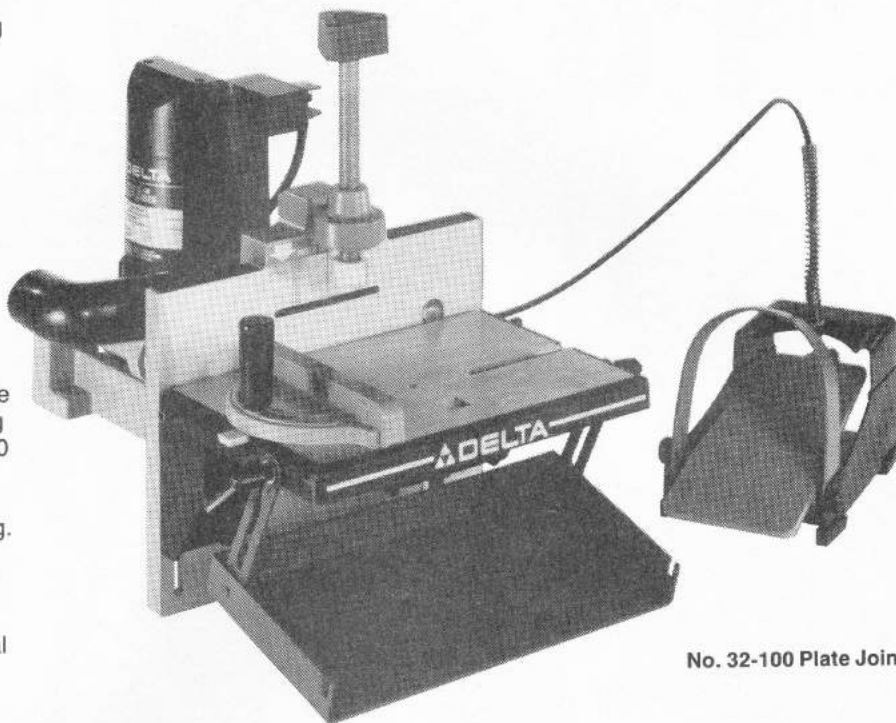
joining operations. An auxiliary 6" x 12½" tilting table comes into play for bevel joining but swings out of the way when not in use.

A quick-set work clamp mounts to the fence or table to securely hold material for edge or face joining.

The machine features a 10 Amp, 115V, ball bearing motor that delivers plenty of power to the blade through an efficient

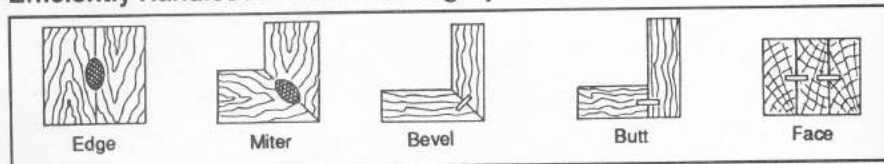
cog belt drive for full-capacity slotting even in tough hardwoods and composition.

Although we at Delta can't take credit for inventing the plate joiner, we have gone a step ahead of its originator by adding stationary tool accuracy, convenience and ease of operation to biscuit joining. Check out the Delta Plate Joiner and see for yourself.

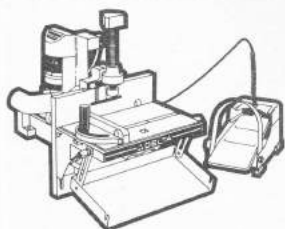


No. 32-100 Plate Joiner.

Efficiently Handles All These Joining Operations



Catalog Listing



No. 32-100 Plate Joiner. Includes basic machine with 10 Amp, 115V, 60 Hz motor, switch, cord and plug; dual position work clamp, adjustable stock stop, auxiliary tilting table, foot pedal control with cable assembly, carbide-tipped 4" diameter 6-tooth blade, wrenches and instruction manual.

Machine Data

Motor 10 amp, 115V, 60 Hz, AC
Blade:
Diameter 4" (101.6 mm)
Arbor Hole 22 mm
Speed 10,000 RPM
Depth of Cut 0 to ½" (12.7 mm)
(Accommodates Standard
No. 0, 10 & 20 Size Biscuits)

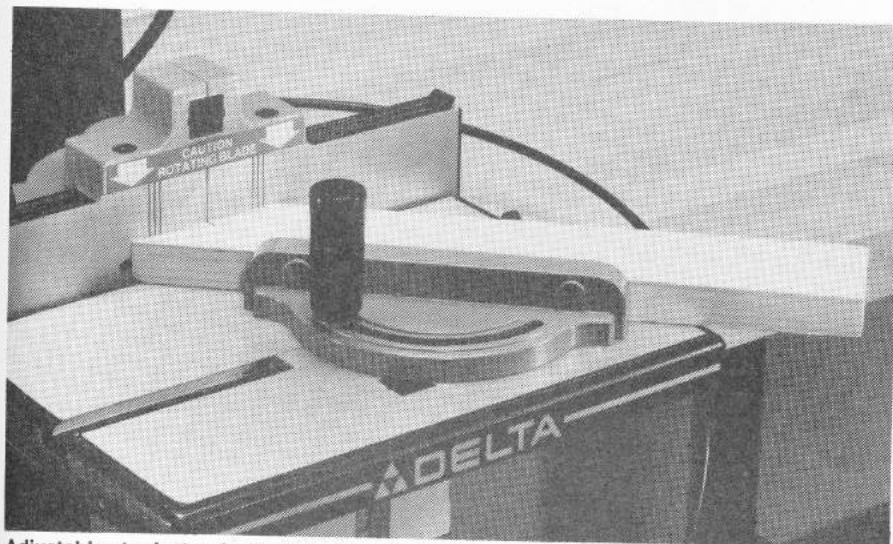
Table:
Size 8" x 12" (203.2 x 304.8 mm)
Vertical Adjustment 5" (127.0 mm)
Auxiliary Tilting
Table Size .. 6" x 12½" (152.6 x 317.5 mm)
Overall Dimensions 18" x 15½" x 11"
(457.0 x 393.7 x 279.4 mm)
Weight 39½ Lbs. (18 Kg)

Accessories

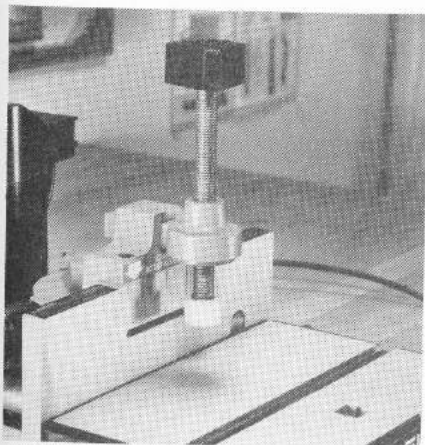
No. 32-105 Carbide-Tipped 4" Dia. Blade.
6-tooth with 22mm arbor hole.
No. 32-110 #0 Size (16x47 mm) Joining
Biscuits. Pkg. of 1000
No. 32-111 #10 Size (20x52 mm) Joining
Biscuits Pkg. of 1000

No. 32-112 #20 Size (24x58 mm) Joining
Biscuits. Pkg. of 1000
No. 32-113 Assorted Sizes Joining Biscuits.
Pkg. of 1000
500-#20; 250-#10; 250-#0

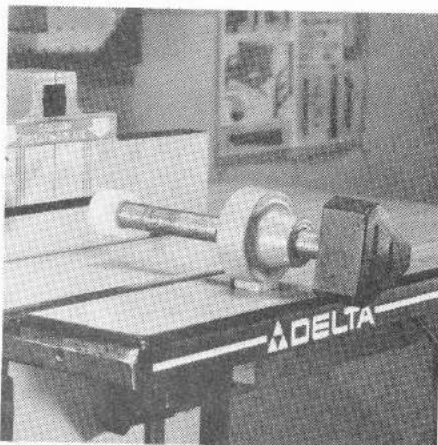
Delta Plate Joiner Features



Adjustable stock stop facilitates edge joining. Swings a full 120° for miter joining operations. Center and width-of-cut lines for three standard biscuit sizes are scribed on the fence surface for easy, accurate referencing.



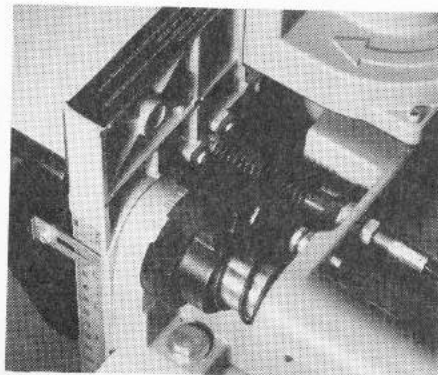
Quick-set work clamp mounts to fence or table to securely hold material for edge or face joining.



Big 8" x 12" die cast aluminum table provides needed work support. Raises and lowers 5" to accommodate various thicknesses of stock. Micro-set adjustment control facilitates fine tuning table height setting.



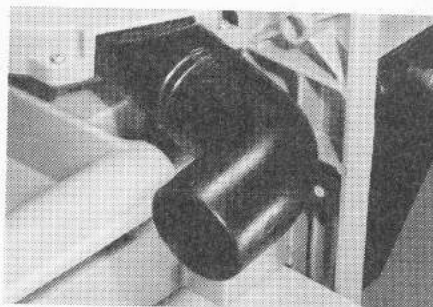
Auxiliary 6" x 12 1/2" tilting table included for bevel joining. Swings out of the way when not in use.



Handy depth-of-cut control for 0 to 1/2" depth settings. Features preset stops for cutting slots to match standard No. 0, 10 and 20 size biscuits.



Spring-action foot pedal controls lateral movement of blade. Blade automatically retracts when pedal is released.



Built-in chip chute keeps dust away from workpiece and the operator.

Additional Features

- **Efficient 10 Amp, 115V motor** provides plenty of power for full-capacity slotting even in tough hardwoods and compositions.
- **Shielded on-off switch** prevents accidental starts; can be padlocked to prevent unauthorized use.
- **Pre-drilled holes** in base facilitate bench mounting of machine.
- **Carbide-Tipped 4" diameter 6-tooth blade** with 22mm arbor hole included as standard equipment.
- **Two year limited warranty** on machine, parts and accessories.



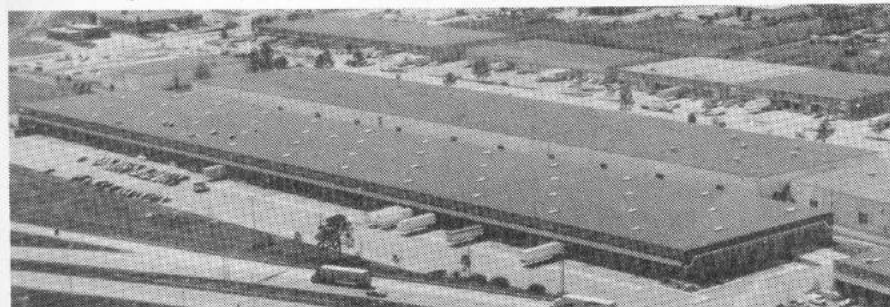
Headquarters, Pittsburgh, PA



Manufacturing, Distribution and Service Facilities



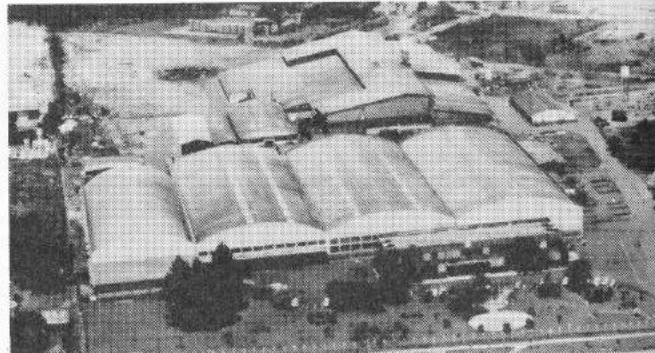
Manufacturing Center, Tupelo, MS



Distribution/Service Center, Memphis, TN



Canadian Distribution/Service Center, Guelph, Ontario, Canada



Invicta-Delta Manufacturing Subsidiary, Limeira, S.P., Brazil

Delta...

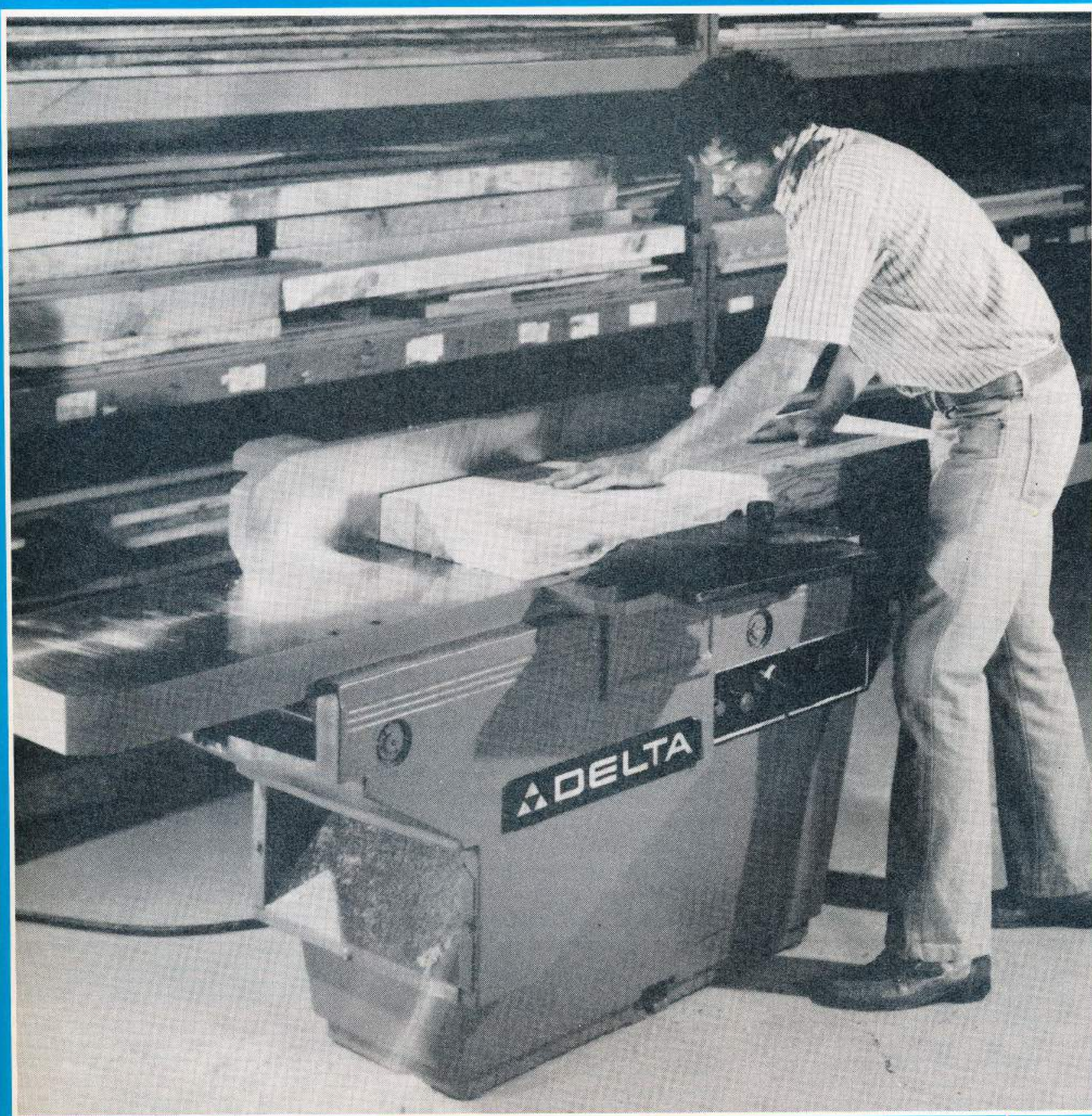
**Manufacturer of
Wood and Metalworking
Machinery for Use in
Industry, the Building and
Construction Trades,
Schools and Home
Workshops!**

Delta Long-Bed Jointers

16½", 8" and 6" Models

Big in every way—capacity, safety, convenience—to meet your every production need!

No matter which Delta Jointer you select, it will provide all the capacity, flexibility and precision you will require. Precision engineered features include an extra long bed, big fence, easy-to-operate table controls, fully adjustable infeed and outfeed tables, large diameter ball bearing cutterhead, built-in rabbeting ledge and dust chute, plus the power of a heavy duty, lubricated-for-life, ball bearing motor.



Delta RJ-42 16½" Precision Jointer

Precision engineered for fast, accurate jointing operations!

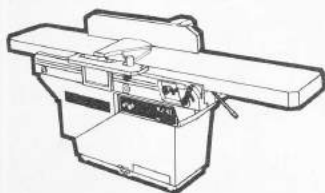
This long-bed Delta jointer offers big capacity combined with precision accuracy and greater safety through design, making it well suited for high-production wood-working operations. It will surface stock 16½" wide, rabbet 1" deep and, with its giant 8½-foot long table, accurately surface extra long stock. These important features, combined with the machine's parallelogram design, torsion-spring counter-

balanced tables, precision ground 4.72" diameter cutterhead, and specially designed center-mounted fence, truly make the Delta 16½" jointer an outstanding value.

That's why it is receiving wide acceptance by users in wood-working plants, furniture factories, lumber yards and specialty shops...wherever big capacity, precision jointing is required.



Catalog Listing



† No. 37-420 16½" Jointer. Includes 5 HP, 200-220/440V (wired 220V), 60 Hertz, three phase motor with magnetic starter and automatic reset overload; set of four HSS knives; rabbeting ledge; center-mounted fence; cutterhead guard; depth gauge; knife setting gauge with wrench.

No. 37-421 16½" Jointer. Same as 37-420 except includes 5 HP, 230 V, 60 Hertz, single phase motor with magnetic starter and automatic reset overload.

Machine Data

Motor (TEFC) 5 HP, 200-220/440V (wired for 220V), 60 Hertz, 3 Phase; 5 HP, 230V, 60 Hertz, 1 Phase

Table:
Length 102⅜" (2600 mm)
Length of rear table (out-feed) 43⅜" (1100 mm)
Length of front table (in-feed) 57" (1450 mm)
Width 16½" (420 mm)
Height from floor 31½" (800 mm)

Fence:
Size 67⅞" x 43⅜" (174.6 x 1097 mm)
Tilts in and out 45°
Positive stops 90°, 45° out

Cutterhead:
Speed 5000 RPM; 20,000 CPM
Number of knives 4
Diameter 4.72" (120 mm)

Rabbeting Capacity 1" (25.4 mm)

Cutting Capacity:
Width 16½" (419.1 mm)
Depth 1" (25.4 mm)

Dust Collection Capability See Page O2

Overall Dimensions:
Height 38⅜" (974.7 mm)
Width 102⅜" (2600 mm)
Depth 46" (1168.4 mm)
Net Weight 1334 lbs. (605 Kg.)

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to three phase catalog no., in order to obtain machine with factory mounted and wired "JIC" type electricals.

16½" Precision Jointer Features

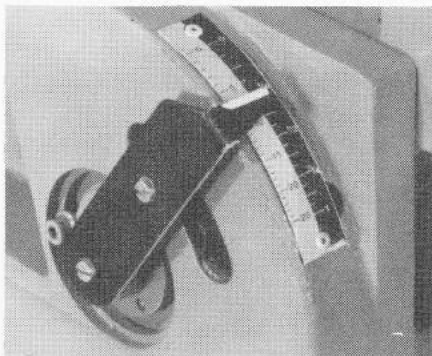
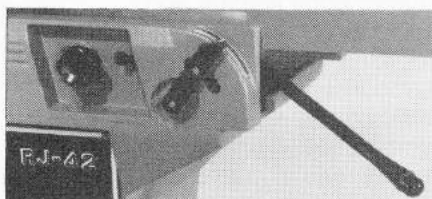
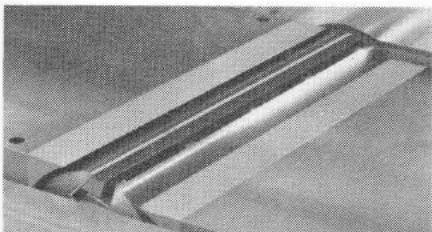


Table Adjustment, Raising and Lowering Mechanism. Tables are torsion-spring counterbalanced for easy movement and setting by hand lever. In-feed table has a convenient lock knob to hold depth-of-cut setting, also a positive depth stop for repetitive jointing operations. This is a convenient method of presetting a finish cut depth, then returning table to this setting after making rough cuts. Accurate, easy-read, depth-of-cut scale is calibrated in both inches and millimeters.



Four-knife Cutterhead. Large 4.72" diameter, 4-knife cutterhead is precision ground, balanced and operates at 5000 RPM on pre-lubricated, sealed ball bearings. Cutterhead knives are spring-loaded and adjustable for proper height setting. Knife wedge bars are adjustable for desired chip curl. Both tables have replaceable aluminum table lips that are contoured close to cutterhead for safer operation.

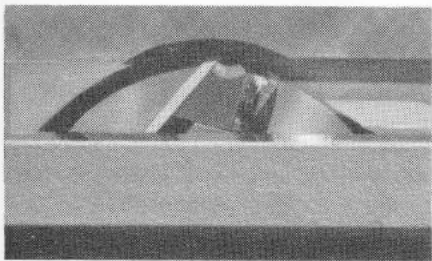
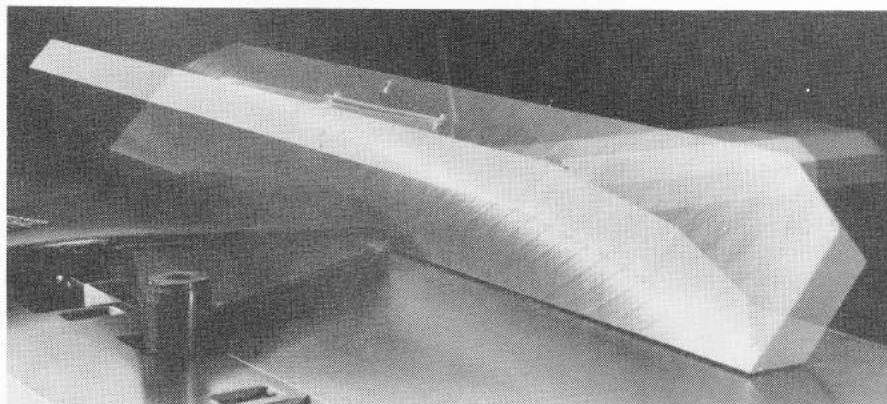
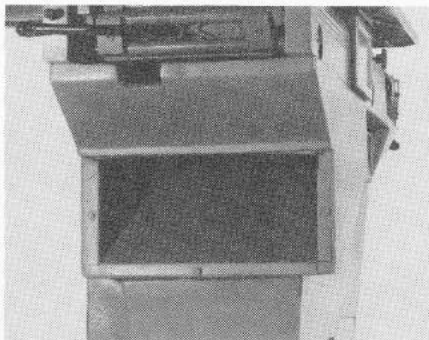


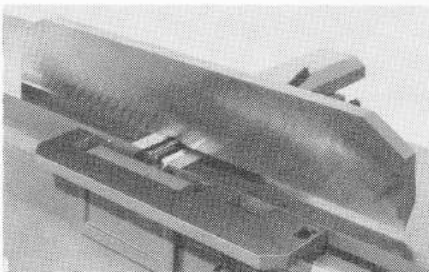
Table Movement. Parallelogram design enables tables to travel in same arc as cutting circle, maintaining uniform, close clearance between table lips and cutterhead for safer operation, regardless of cutting depth.



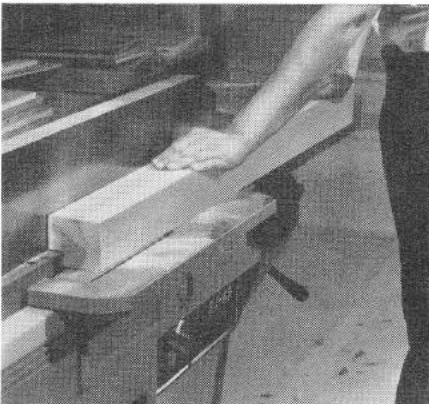
Versatile Fence. Large 67/8 x 433/16" fence tilts 45° in and out, is equipped with positive, adjustable stops at 90° and 45° out. Control lever locks fence over cutterhead at any angle. Adjacent tilt scale simplifies adjustments.



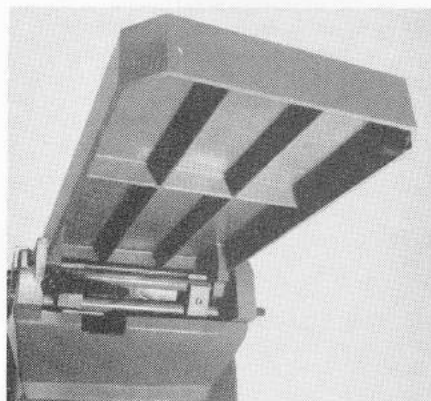
Chip Chute. Located well above floor level, the large 9½ x 17½" chip chute keeps dust and chips away from the motor. It may be easily connected to a central dust collection system.



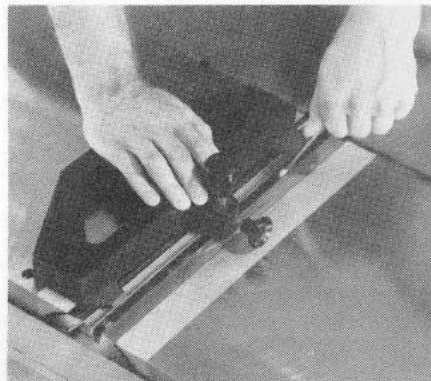
Center-Mounted Fence. Fence has a novel design so that rear of cutterhead is fully enclosed when working close to front of machine.



Rabbeting Ledge. Jointer incorporates a large 57/8 x 26½" rabbeting ledge, furnished as standard equipment. A rabbeting depth of up to 1" is obtained when in-feed table is fully lowered.



Heavily Ribbed Tables; Parallelogram Design. Tables are constructed of cast iron and heavily ribbed for solid support. Each table is mounted at four points and torsion-spring balanced for ease in making table height adjustments. Both in-feed and out-feed tables are supported on the frame by more than half their length for maximum jointing accuracy.



Knife Setting Gauge. Standard equipment gauge locks cutterhead in position for changing or setting knives. Gauge automatically holds knives at the proper height as they are safely locked in place.

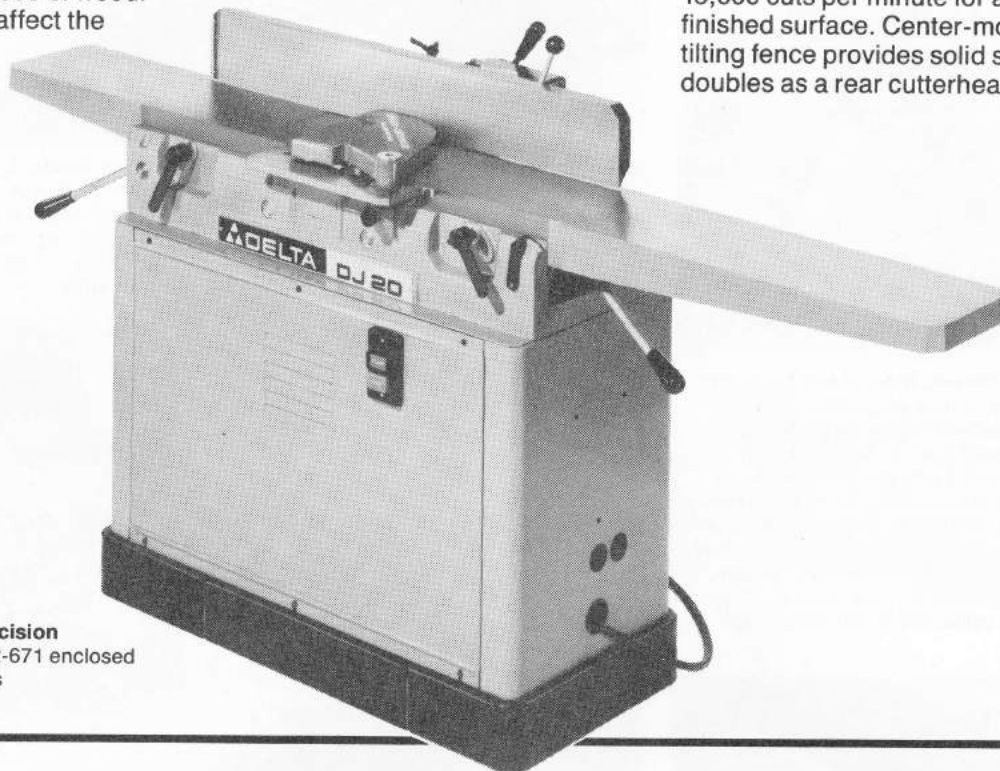
Delta DJ-20 8" Precision Jointer

Matchless design offers exceptional performance

In woodworking, the quality of the surface or edge cut can affect the precision of every other operation performed on that piece of wood. And in turn, directly affect the

quality of the finished product. And because the jointer is such a fundamental tool for furniture makers, cabinet shops, sash and door producers and shipyards—it has to be as durable as it is accurate. The Delta DJ-20 8" Precision Jointer is.

Quality features of the DJ-20 mean quality edge jointing and surfacing: Extra long infeed table for supporting long work. Unique parallelogram support system for easy table height adjustment; superior chipbreaking; and improved operator safety. Three knife modular cutterhead provides 15,600 cuts per minute for a smooth finished surface. Center-mounted tilting fence provides solid support; doubles as a rear cutterhead guard.

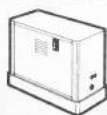


No. 37-350 DJ-20 8" Precision Jointer with accessory 52-671 enclosed steel stand and electricals

Catalog Listing



No. 37-350 DJ-20 8" Precision Jointer. Includes basic machine with 37-355 set of 3 HSS knives, cutterhead module, cutterhead guard, with wrenches, rabbeting ledge, tilting fence, push blocks and two pulleys. Less stand, motor, V-belt and switch.



Enclosed Steel Stand. Includes motor, V-belt and controls. Factory mounted and wired.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
52-671	Single Phase, 1½ HP	Push Button Switch Only	TEFC	60—3450	115/230	131
52-672		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—3450	115/230	144
52-673†	Three Phase, 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—3450	230/460	139
52-674			TEFC	60—3450	200	142

NOTE: Single phase electricals will be supplied wired for 230V, unless 115V is specified. Dual voltage three phase electricals will be supplied wired for 230V unless 460 V is specified.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog No., in addition to Three Phase Catalog No. 52-673, in order to obtain 8" Jointers with "JIC" type electricals, factory mounted and wired.

Machine Data

Cutting Capacity:

Width 8" (203.2 mm)

Depth 5/8" (15.8 mm)

Rabbeting Capacity 5/8" x 8 1/16" (15.8 x 204.7 mm)

Cutterhead:

Speed 5500 RPM, 16,500 cuts per minute

Number of knives 3

Diameter 3 3/8" (85.7 mm)

Runs on sealed, lubricated-for-life ball bearings

Table:

Length 76 1/2" (1943.1 mm)

Length of rear table

(outfeed) 32" (812.8 mm)

Length of front table

(infeed) 42" (1066.8 mm)

Height from floor 32" (812.8 mm)

Fence:

Size 5 x 36" (127.0 x 914.4 mm)

Tilts in and out 45°

Positive stops 90°, 45° in and out

Overall Dimensions:

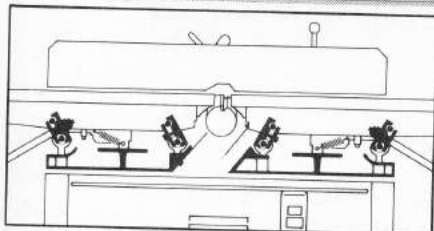
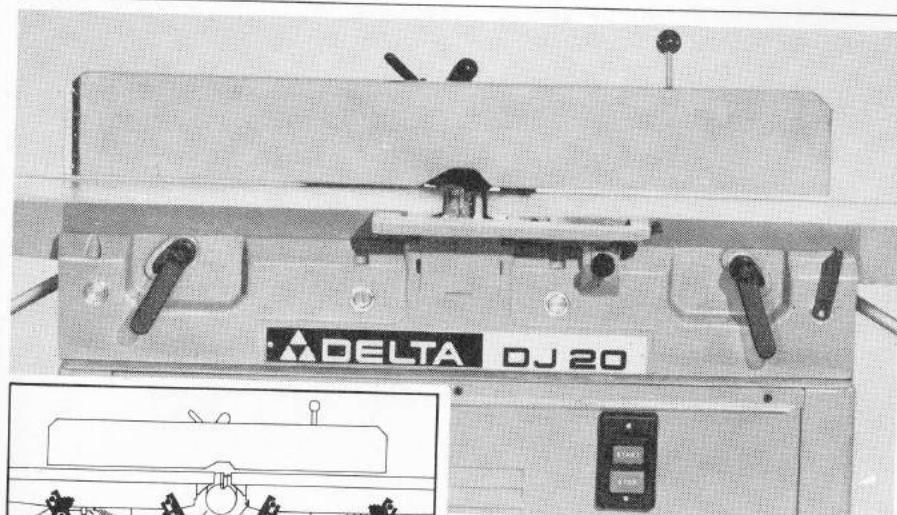
Height 32" (812.8 mm)

Width 26" (660.4 mm)

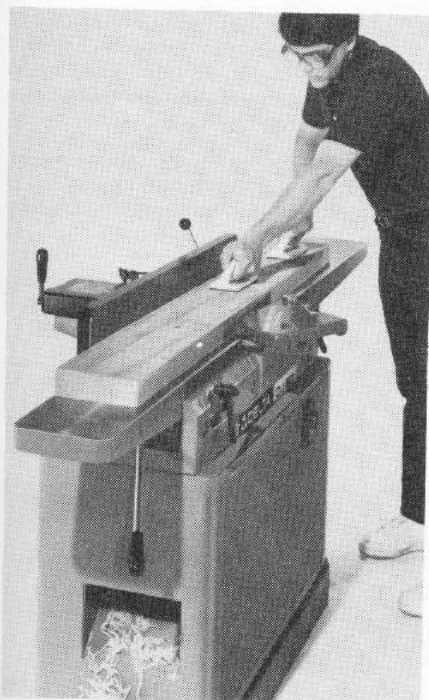
Length 76" (1943.1 mm)

Net Weight 335 lbs. (124.9 Kg)

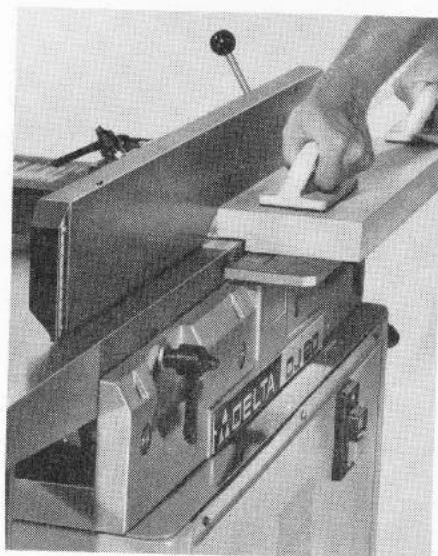
DJ-20 8" Precision Jointer Quality Features



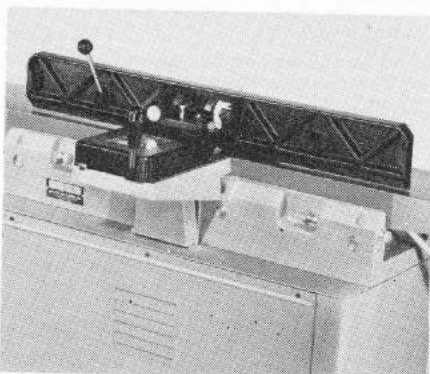
Unique parallelogram support system allows the table to move in the same arc as the cutterhead when raised or lowered. This uniform close clearance to the cutting blade acts as a more efficient chip breaker. Table supports (4 on each table) are linear-extension spring counterbalanced; adjustment is virtually effortless despite weight of cast iron tables. Aluminum lips bolted to the main tables are replaceable to compensate for wear.



The DJ-20's 8" cutting capacity is ample for the majority of wood widths available. Cast iron base assures less vibration; cabinet stand completely encases motor and pulleys to protect from dust and shavings. Large panels allow easy access inside the stand if adjustment or repair is necessary. Built-in chip chute is designed for hook-up to a dust collection system if required.

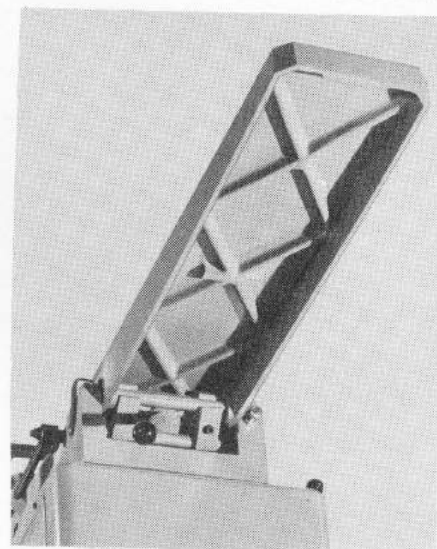


Big 4" x 12" rabbeting ledge supports work securely right at the cutterhead. Note how center mounted fence acts as a rear guard when fence is moved forward to table edge.

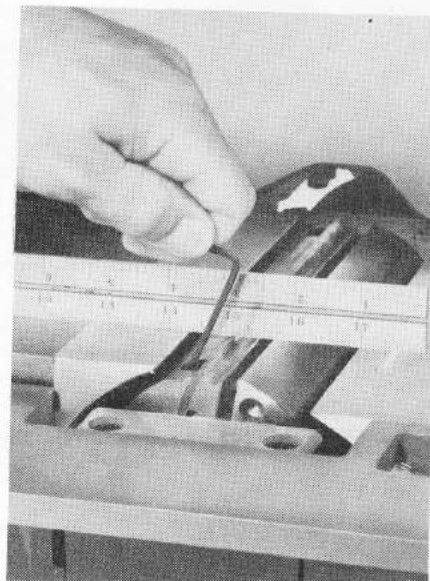


Modular cutterhead provides a consistently clean cut. Three knives operate at 5500 rpm—16,500 cuts per minute for a smooth finish. Cutterhead knives project only .020" above cutterhead surface to help reduce kickback of stock. Jack screw arrangement allows easy replacement and adjustment of individual knives. In the event the entire cutterhead has to be removed, a new module can be fitted in place without production down-time.

Specially designed cast iron fence is extra long for continued support throughout the cut. Fence is center-mounted and functions as a rear guard on narrow cuts. Positive stops 45° in and out for accurate chamfering and beveling—scale in back measures angle set. Handy stock scale mounted at the end of fence measures jointed stock prior to planing.



Extra long infeed table provides a full 42" of work support. Unique diamond ribbing insures that weight is best distributed throughout the length. Height adjustment lever and locking handle facilitate repetitive jointing. Handy scale measures depth of cut in English or Metric for quick reference.

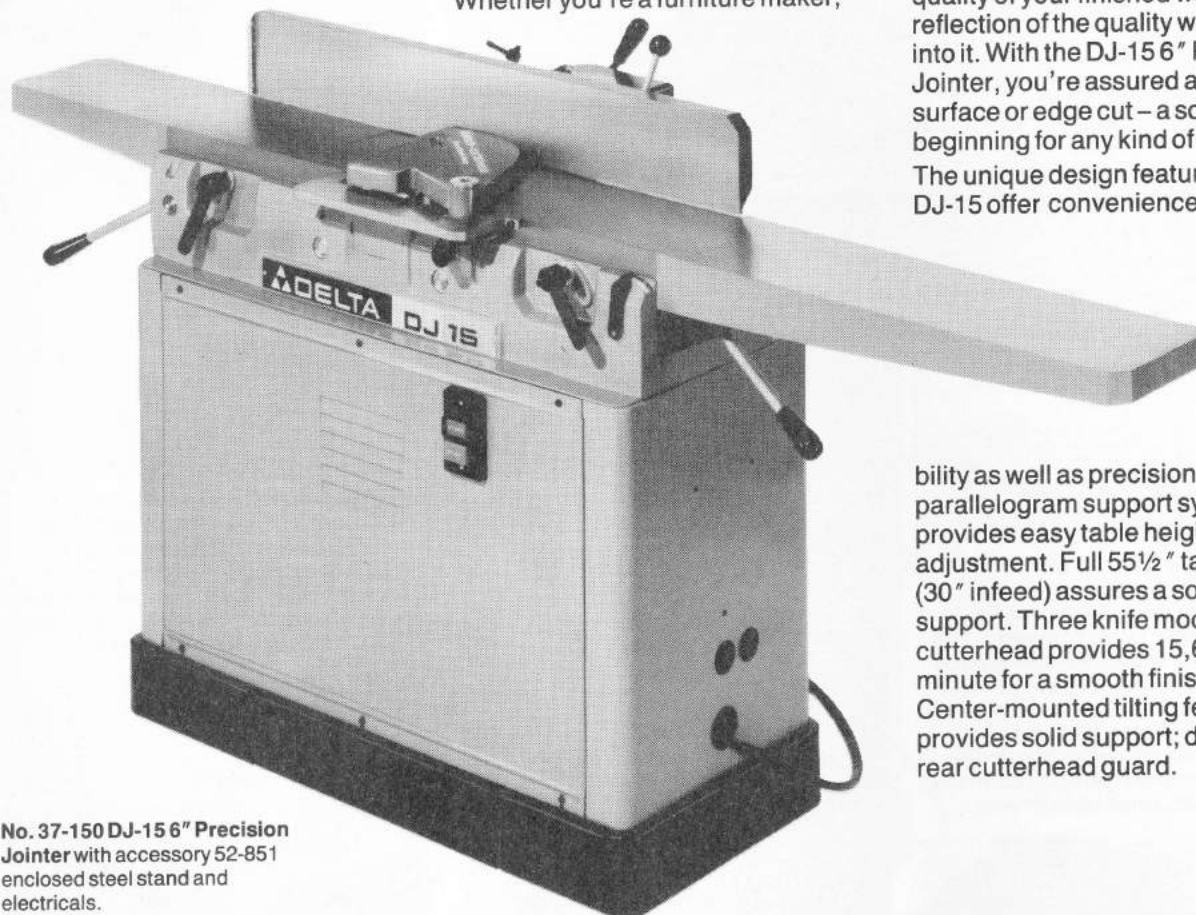


Delta DJ-15 6" Precision Jointer

Production Performance in Workshop Size

The jointer may be the single most important tool for the woodworker. Whether you're a furniture maker,

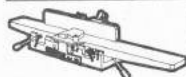
cabinet shop, sash and door producer or a home craftsman; the quality of your finished work is a reflection of the quality work you put into it. With the DJ-15 6" Precision Jointer, you're assured an accurate surface or edge cut – a solid beginning for any kind of work. The unique design features of the DJ-15 offer convenience and dura-



No. 37-150 DJ-15 6" Precision Jointer with accessory 52-851 enclosed steel stand and electricals.

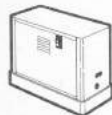
bility as well as precision. The unique parallelogram support system provides easy table height adjustment. Full 55½" table length (30" infeed) assures a solid work support. Three knife modular cutterhead provides 15,600 cuts per minute for a smooth finished surface. Center-mounted tilting fence provides solid support; doubles as a rear cutterhead guard.

Catalog Listing



No. 37-150 DJ-15 6" Precision Jointer. Includes basic machine with 37-155 set of 3 HSS knives, cutterhead module, cutterhead guard, with wrenches, rabbeting ledge, tilting fence, push blocks, cutterhead and pulley. Less stand, motor, V-belt and switch.

Enclosed Steel Stand. Includes motor, motor pulley, V-belt and controls. Factory mounted and wired.



Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
52-851	Single Phase, ¾ HP	Push Button Switch Only	TEFC	60-1725	115/230V	63
52-852		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230V	76
52-853	Three Phase ¾ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460V	72
52-854			TEFC	60-1725	200V	74

NOTE: No. 52-851 electricals supplied wired for 115V unless 230V is specified. No. 52-852 wired for 230V unless specified 115V. Dual voltage three phase electricals will be wired for 230V unless 460V is specified.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog No., in addition to three phase Catalog No. 52-853 in order to obtain 6" Jointers with "JIC" type electricals, factory mounted and wired.

Machine Data:

Capacities:

Cutting Capacity:

Width 6" (152.4 mm)

Depth ½" (12.7 mm)

Rabbeting Capacity ½" x 6" (12.7 x 152.4 mm)

Cutterhead:

Speed 5500 RPM, 16,500 Cuts per Minute

Number of Knives 3

Diameter 3⅞" (85.7 mm)

Runs on sealed, lubricated-for-life ball bearings

Table:

Length 55½" (1409.7 mm)

Length of rear table

(outfeed) 24" (609.6 mm)

Length of front table

(infeed) 30" (762.0 mm)

Height from floor 32" (812.8 mm)

Fence:

Size 5 x 36" (127.0 x 914.4 mm)

Tilts in and out 45°

Positive stops 90°, 45° in and out

Overall Dimensions:

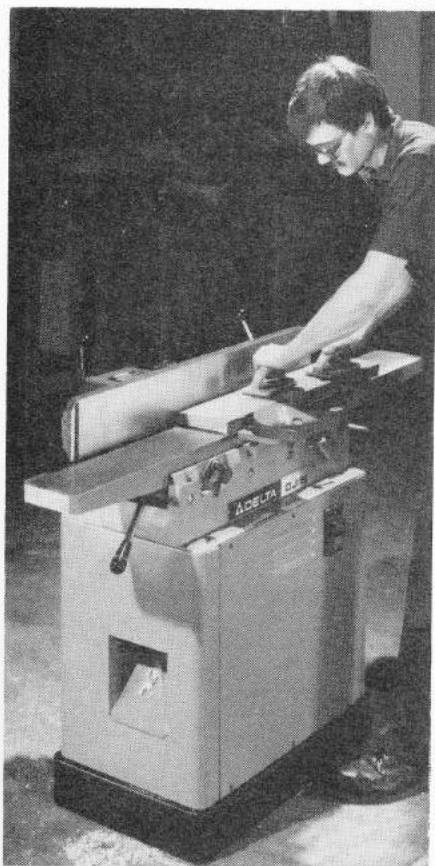
Height 32" (812.8 mm)

Width 24" (609.6 mm)

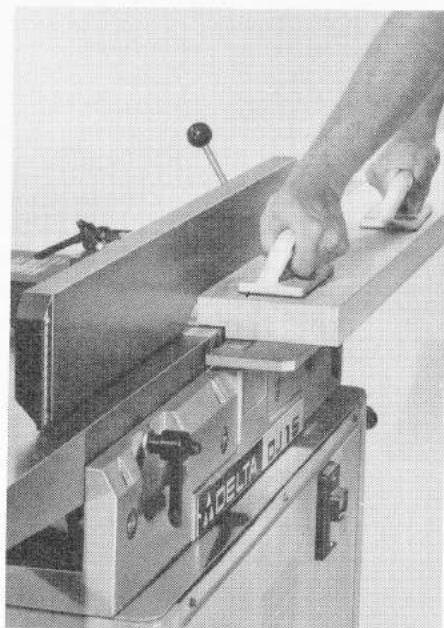
Length 56" (1409.7 mm)

Net Weight 265 lbs. (98.05 Kg)

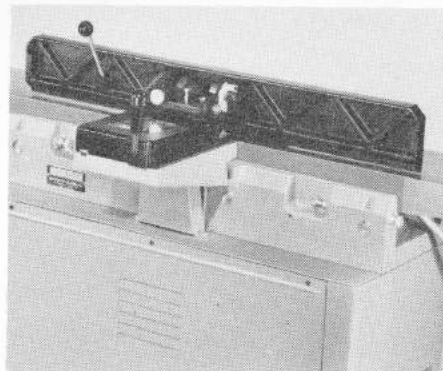
DJ-15 6" Precision Jointer Quality Features



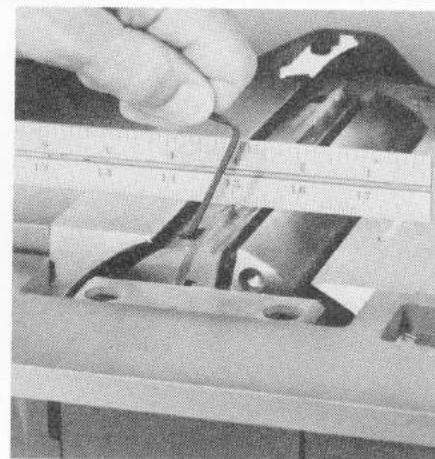
The DJ-15 6" cutting capacity is ample for the majority of wood widths available. Cast iron base assures less vibration; cabinet stand completely encases motor and pulleys to protect from dust and shavings. Large panels allow easy access inside the stand if adjustment or repair is necessary. Built-in chip chute is designed for hook up to a dust collection system if required.



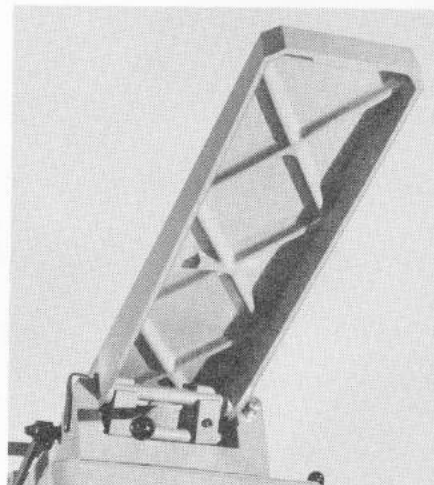
Built-in 4" x 8" rabbeting ledge supports work securely right at the cutterhead. Note how center-mounted fence acts as a rear guard when fence is moved forward towards table edge.



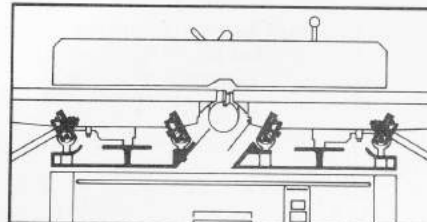
Extra long cast iron fence is designed to support work throughout the cut. The 5 x 36" fence is center-mounted and has positive stops 45° in and out for accuracy when chamfering and beveling. Scale in back measures angle set; handy stock scale mounted at the end of the fence measures jointed stock thickness.



Smooth finish cutting with efficient three knife modular cutterhead. Cutterhead operates at 5500 rpm – 16,500 cuts per minute for a ridge-free finish. Cutterhead knives project .020" above cutterhead surface to help reduce stock kickback. Jack screw arrangement makes replacement and adjustment of individual knives easy. If necessary, the cutterhead can be removed and a new module can be fitted in place without production down-time.



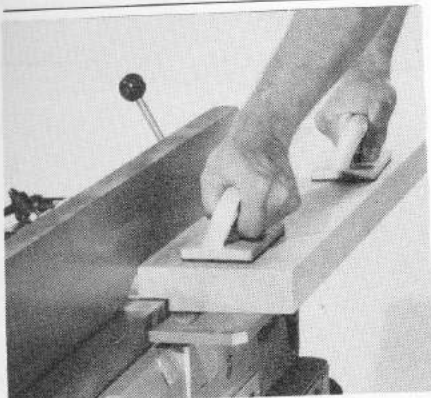
30" Long infeed table provides a sturdy work support. Unique diamond trunnioning distributes weight throughout the length. Height adjustment lever and locking handle facilitate repetitive jointing. Depth of Cut scale measures in English and Metric units for easy reference.



Unique parallelogram table support allows the table to move in the same arc as the cutterhead when raised or lowered for more efficient chipbreaking during operation. Table supports (4 on each table) are torsion spring counterbalanced, adjustment is virtually effortless despite weight of cast iron tables. Aluminum lips bolted to the main tables are replaceable to compensate for wear.

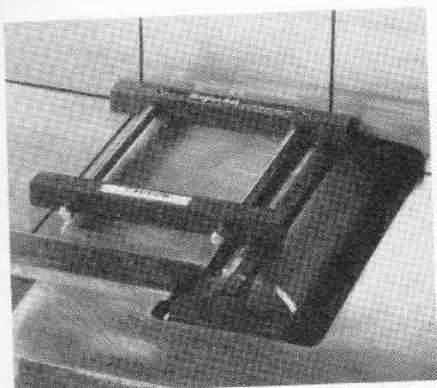
Delta Jointer Accessories

For All Jointers



No. 37-108 Push Blocks, set of two. 1 lb.
No. 37-522 Wrench, double end, $\frac{5}{16}$ " , for cutterhead knife lock bar screws. $\frac{1}{4}$ lb.

Delta Magna-Set™ Jointer Knife Setting Jig



Fast, safe, easy to use. Accurately sets jointer knives in 10 minutes. Patented magnetic design holds each knife in perfect alignment at precisely the correct height. For use on any jointer with conventional cutterhead and knives up to 8" long. Prolongs life of jointer knives as much as 5 times. Assures perfect finish cuts to accuracy of .001".

No. 37-157 Magna-Set Jointer Knife Setting Jig. Permanent lifetime magnets and hardened steel rods.

No. 37-158 Set of Two 16" Extension Rods. For Magna-Set Jointer Knife Setting Jig. Permits use of jointers with 16" to 20" long cutterheads and knives.

For 16½" Precision Jointer

No. 37-423 Cutterhead Knives, set of four, high-speed steel, case hardened to keep cutting edges sharp longer. 4 lbs.

No. 50-258 RJ-42 Jointer Dust Collector Connector. Includes mounting screws. Attaches to jointer cabinet covering factory installed chute. 5" dia. outlet.

For 8" and 6" Precision Jointers

No. 50-221 DJ-20 and DJ-15 Jointer Dust Collector Connector.

Includes mounting screws. Attaches to jointer cabinet covering factory installed chute. 5" dia. outlet.



For 8" Precision Jointer

No. 37-353 Cutterhead assembly, complete with bearings, housings and No. 37-355 set of 3 high-speed steel knives for No. 37-250 8" Jointer. 18 lbs.

No. 37-355 Cutterhead Knives, set of three, high-speed steel, for No. 37-350 8" Jointer. 2 lbs.

No. 52-670 Enclosed Steel Stand Only.

No. 50-276 Mobile Base. For DJ-20 8" Precision Jointer. 28 lbs.

For 6" Precision Jointers

No. 37-153 Cutterhead Assembly. Includes bearings, housings and No. 37-155 set of 3 high-speed steel knives for No. 37-150 6" Jointer.

No. 37-155 Cutterhead Knives. Set of three. High Speed steel for No. 37-150 Jointer.

No. 52-850 Enclosed Steel Stand Only.

No. 50-275 Mobile Base. For DJ-15 6" Precision Jointer. 25 lbs.

Delta Planers

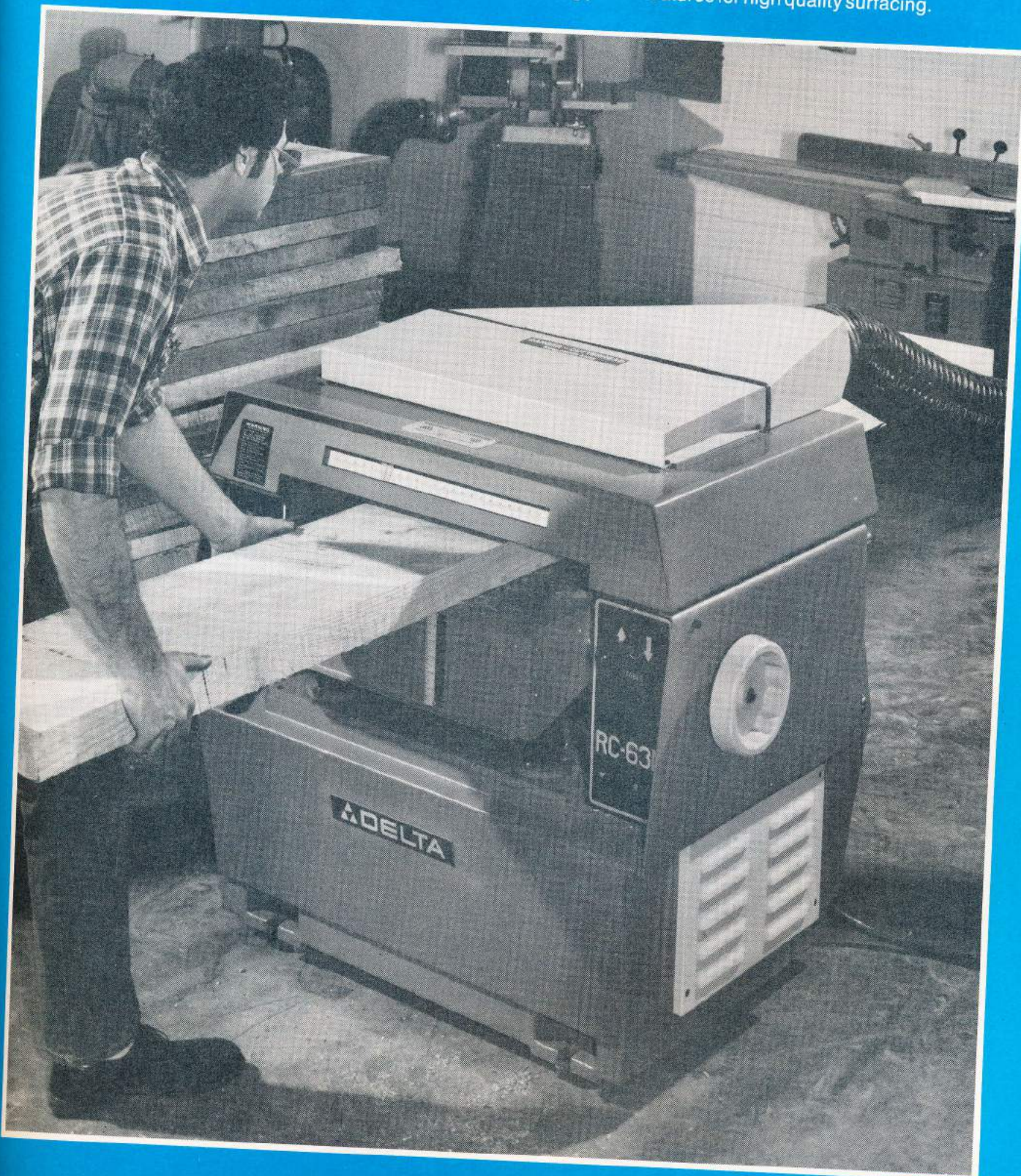
Select from three high production machines!

RC-63N 24" x 9 $\frac{3}{8}$ " Planer—a new design concept offering great planing ease combined with the Newman "Quiet Cut" helical carbide head for super quiet operation, extended cutting life and high level performance. Standard 4-knife cutterhead model also available.

RC-51 20" x 9" Planer—unsurpassed in planing ease,

this unique surfacer provides modern features comparable to those offered with the RC-63N 24" model, except it's equipped with a standard 4-knife cutterhead.

DC-33 13" x 5.9" Planer—an innovative approach to efficient, low cost planing. Completely portable, it offers big planer features for high quality surfacing.



Delta RC-63 24" x 9³/₈" Planer

Offers the Newman QUIETCUT™ Head for unusually quiet operation combined with exclusive, new features that make it well suited for big capacity, high production planing!

Here's a planer (RC-63N) that's head and shoulders above any other planer in its size on the market!

It's super quiet. The Newman QUIETCUT helical carbide cutterhead greatly reduces noise at the source while providing smooth finishes on up to 500,000 linear feet of lumber before resharpening is required.

It's easy to operate. You get a power driven table for fast planing

set-ups...a double magnification thickness scale for fast, accurate depth settings...and a lumber gage for measuring stock thickness quickly prior to planing.

It's quality built. You get a 4.72" diameter cutterhead...spiral, serrated in-feed roll for positive feeding...adjustable, double bed rolls, located directly below feed rolls, for smoother feeding of stock...adjustable, double outfeed rolls for positive feeding after stock

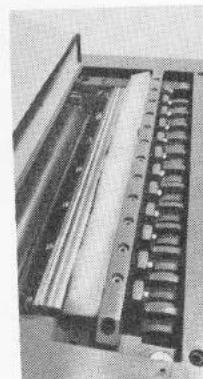
leaves in-feed roll...a large 24 x 35¹/₂" table for better work support...a bed roll height attachment to suit planing conditions...and many more superior features.

Now, if you're operating on a tight budget, you can get this same fine planer with a standard 4-knife cutterhead and 10 HP, 3 phase motor.

Stop in today and see the planers that give you more for your money!



Model No. 22-602 (RC-63N)
with Newman "Quiet Cut"
Helical Carbide Cutterhead



Model No. 22-610 (RC-63D)
with Standard
4-knife Cutterhead

Catalog Listing



†No. 22-602 RC-63N 24" x 9³/₈" Planer.
Includes 15 HP, 200-220/440 V (wired 220 V), 60 Hertz, three phase motor with 24-volt LVC magnetic starter and automatic reset overload; Newman QUIETCUT helical carbide cutterhead; power driven table; spiral in-feed roll; adjustable, double bed rolls and outfeed rolls; sectional chipbreakers; dust chute and wrench.

†No. 22-610 RC-63D 24³/₄" x 9³/₈" Planer.
Same as above, except with 10 HP, 200-220/440 V (wired 220 V), 60 Hertz, three phase motor with 24-volt LVC magnetic starter and automatic reset overload; standard 4-knife cutterhead; set of four case hardened, high-speed steel knives, plus one extra set, and knife setting gauge.

†No. 49-000 "JIC" Type Control Kit. Specify this catalog number, in addition to three phase cat. no., in order to obtain machine with factory mounted and wired "JIC" type electricals.

Machine Data

Motor (RC-63N) 15 HP, 200-220/440 V
(wired 220 V), three phase
(RC-63D) 10 HP, 200-220/440 V
(wired 220 V), three phase

Controls 24-volt, low-voltage control

Capacities:

Max. width of stock:
Helical cutterhead 24" (609.6 mm)
4-knife cutterhead 24.8" (630 mm)
Max. thickness of stock 9.45" (240 mm)
Min. thickness of stock:
Helical cutterhead 1/8" (3.175 mm)
4-knife cutterhead 1/8" (3.175 mm)

Depth of Cut maximum .39" (10 mm)

Full width planing:

Helical cutterhead 1/8" (3.175mm)
4-knife cutterhead 1/8" (3.175mm)
Min. length
of unbutted stock 11" (279.4 mm)

Feed Rates 25/46 ft./min.
(7.5/14 M/min.)

Cutterhead:

QUIETCUT helical carbide
Standard knife 4
Diameter 4.72" (120 mm)
Speed 5000 RPM

Feed Rolls:

Spiral in-feed 2.75" dia. (70 mm)
Out-feed (2) 2.75" dia. (70 mm), adjustable
Table bed rolls (2) adjustable

Table Size:

Helical head Model 22-602 24 x 35¹/₂"
(609.6 x 901.7 mm)
4-knife head Model 22-610 24³/₄ x 35¹/₂"
(628.7 x 1003.3 mm)

Table Rise and Fall

..... power driven
Fine adjustment by handwheel and double magnification thickness scale with fine-line cursor

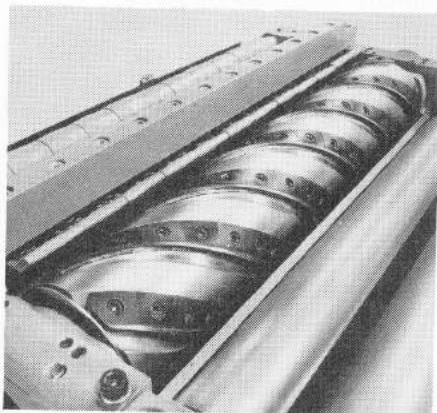
Chip Chute Opening 5⁷/₈" (149.2 mm)

Dust Collection Capability ... see Page O2

Overall Dimensions:

Height 42¹/₈" (1070 mm)
Width 43" (1092.2 mm)
Depth 37¹/₂" (952.5 mm)
Net Weight 1675 lbs. (760 Kg.)

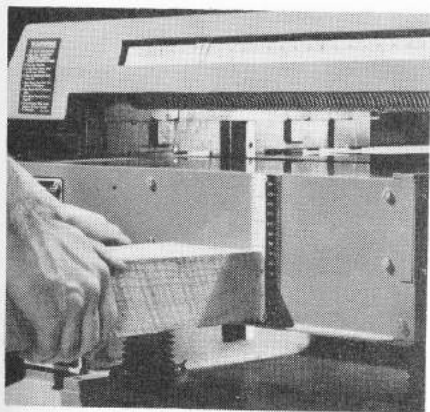
Delta Quality Features



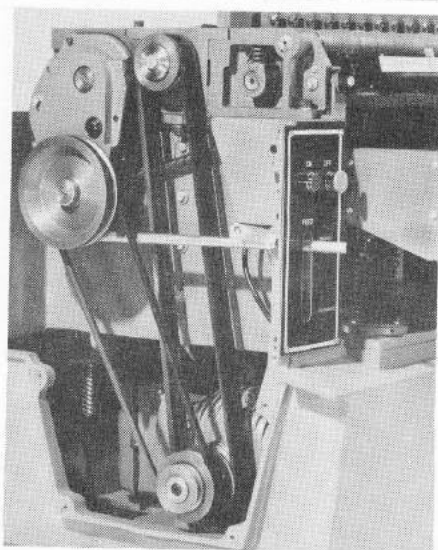
Specially Designed Cutterhead. Model 22-602 RC-63N incorporates the unique Newman QUIETCUT cutterhead that operates at 79 dbA idle and 82 dbA under load. Cutterhead contains four rows of helical carbide inserts that provide these user benefits: dramatic reduction of noise and vibration; extra long cutting life (up to 500,000 linear feet of lumber surfaced before resharping); faster feed speeds; improved finish on hard-to-plane materials, and reduced maintenance costs.



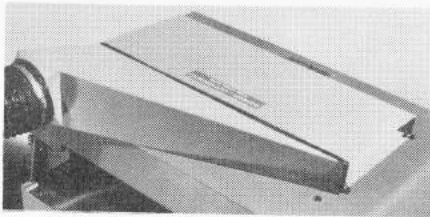
Power Driven Table. Table raises and lowers simply and quickly by use of lever on front of machine. Fine adjustments are made using the convenient handwheel and unique double magnification thickness scale with fine-line cursor.



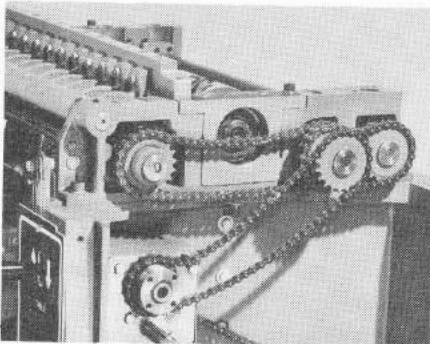
Lumber Gauge. Handy lumber gauge on front edge of table enables operator to measure stock thickness quickly prior to planing. Device also helps speed up production.



Efficient, Fully Accessible Drive System. Base located motor drives cutterhead through an efficient triple belt drive. Motor also drives the oil-lubricated, feed gear box. When machine is under heavy load and cutterhead slows down, feed rate decreases proportionately. To change feed speed, simply move V-belt from one pulley step to the other.



Chip Extraction. Standard equipment dust chute has a 5 7/8" opening for easy connection to a central dust collection system.



Feed Roll Drive. First outfeed roll is driven through feed gear box and supplies power to second outfeed roll, infeed roll and table rise and fall gear box. Heavy duty chains and sprockets are used throughout system.

Superior Modular Construction. Complete cutterhead and feed group are modularly mounted to the machine frame, including separate bearing blocks for cutterhead. This allows the entire cutterhead to be removed without disturbing feed system settings. System also includes twelve 2" wide sectional chipbreakers for full width, even pressure on wide, tapered stock. Full width anti-kickbacks provide added safety.

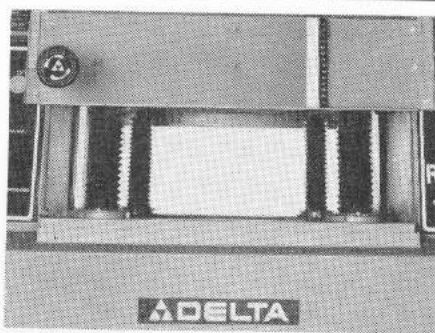
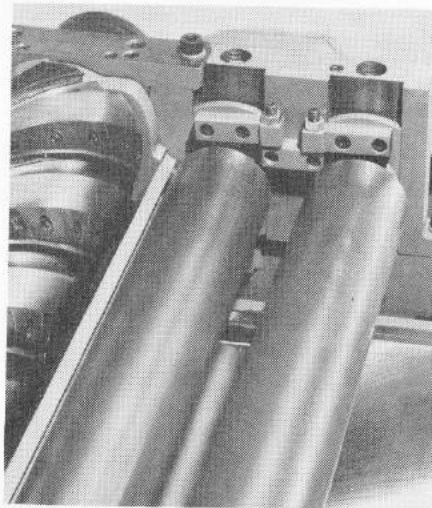
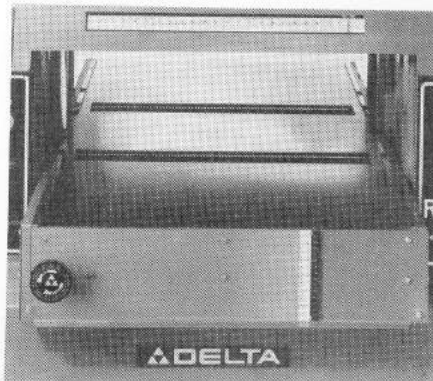


Table Support System. Spacious table raises and lowers on four precision, self-locking screws. Solid steel gibs keep table in perfect alignment regardless of thickness of cut. Dust-proof rubber boots protect screws from abrasive dust and moisture.



Rear Pressure Bar and Double Outfeed Rolls. Adjustable, spring-loaded rear pressure bar maintains even force on planed stock, practically eliminating vibration, and assuring a smooth finish on stock. Adjustable, twin outfeed rolls help maintain positive feeding under all conditions.



Spacious Table; Twin Bed Rolls. The large 24 x 35 1/2" precision ground table is equipped with two adjustable bed rolls located directly below feed rolls for smooth, positive feeding. Bed roll height can be quickly adjusted from the front of the machine to suit variations in planing conditions.

Delta RC-51 20" x 9" Planer

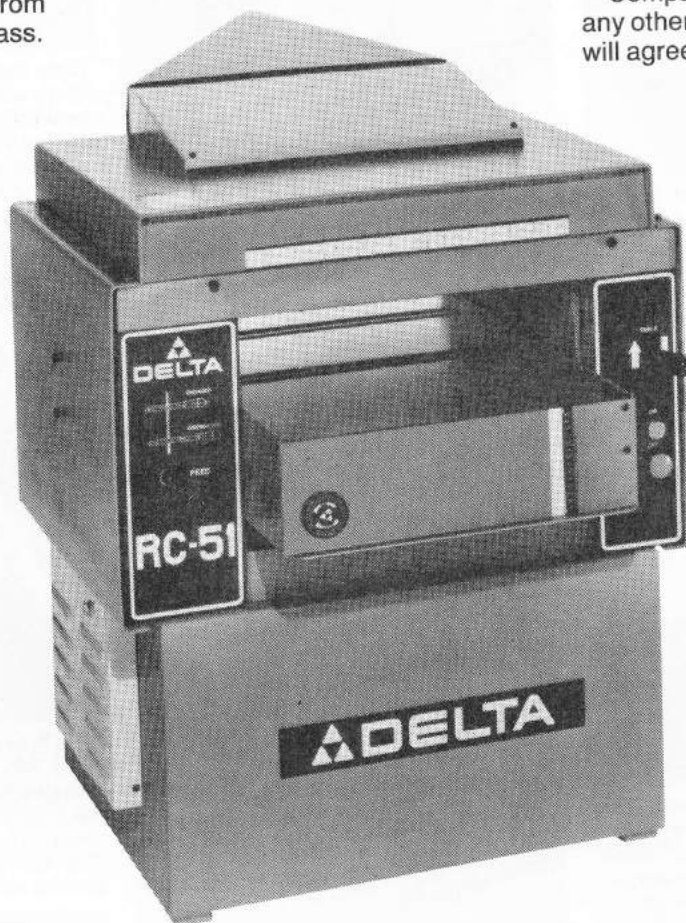
Offers the most advanced features in planer design for easier, faster, more efficient planing!

The Delta RC-51 Planer introduces new features that set it apart from other planers in its size and class.

For example, you get a power operated table for fast planing setups—a double magnification thickness scale for fast, accurate depth settings—a lumber gage for measuring stock thickness quickly prior to planing—large 4.72" diameter, 4-knife cutterhead—spiral, serrated in-feed roll for positive

feeding—double bed rolls, located directly below feed rolls, for smoother feeding of stock—adjustable double outfeed rolls for positive feeding after stock leaves in-feed roll—big 20 x 32 3/4" table for better work support—bed roll height attachment to suit planing conditions—and much more.

Compare the unique RC-51 with any other planer in its size and you will agree that it has no equal!



Catalog Listing



No. 22-460 20" x 9" Planer. Includes 7 1/2 HP, 200-220/440 V (wired 220 V), 60 Hertz, three phase motor with 24-volt LVC magnetic starter and automatic reset overload; power driven table; 4-knife cutterhead; set of four knives plus one extra set; spiral in-feed roll; adjustable, double bed rolls and outfeed rolls; sectional chipbreakers; dust chute; knife setting gauge and wrench.

No. 22-461 20" x 9" Planer. Same as above, except with 5 HP, 230 V, 60 Hertz, single phase motor with 24-volt LVC magnetic starter and automatic reset overload.

No. 49-000 "JIC" Type Control Kit. Specify this catalog number, in addition to three phase cat. no., in order to obtain machine with factory mounted and wired "JIC" type electricals.

Machine Data

Motors 7 1/2 HP, 200-220/440 V (wired 220 V) three phase; 5 HP, 230 V, single phase

Controls 24 volt, low-voltage control

Capacities:

Max. width of stock 20" (510 mm)

Max. thickness of stock 9" (229 mm)

Min. thickness of stock 1/8" (3.175 mm)

Depth of Cut:

Full-width planing:

with 7 1/2 HP, three phase motor 5/16" (7.937 mm)

with 5 HP, single phase motor 1/8" (3.175 mm)

Min. length of unbutted stock 11" (280 mm)

Feed Rates:

Single phase 16/28 ft./min. (4.8/8.4 M/min.)

Three phase 25/46 ft./min. (7.5/14 M/min.)

Cutterhead:

Number of knives 4

Diameter 4.72" (120 mm)

Speed 5000 RPM; 20,000 cuts/min.

Feed Rolls:

Spiral in-feed 2.75" (70 mm)

Outfeed (two) 2.75" (70 mm), adjustable

Table bed rolls (two) adjustable

Table:

Size 20 x 32 3/4" (510 x 825 mm)

Rise and fall power driven

Fine adjustment by handwheel and double magnification thickness scale with fine-line cursor

Chip Chute Opening 5 7/8" (149.2 mm)

Dust Collection Capability see Page Q2

Overall Dimensions:

Height 42" (1066.8 mm)

Width 36" (914.4 mm)

Depth 35" (889 mm)

Net Weight 1160 lbs. (526.2 Kg.)

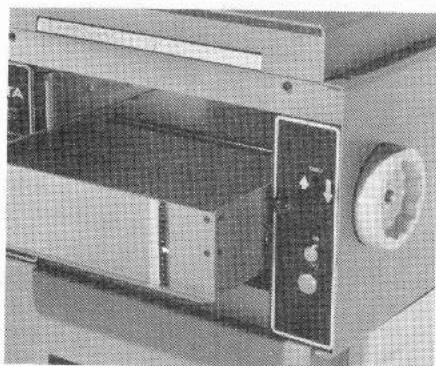
RC-51

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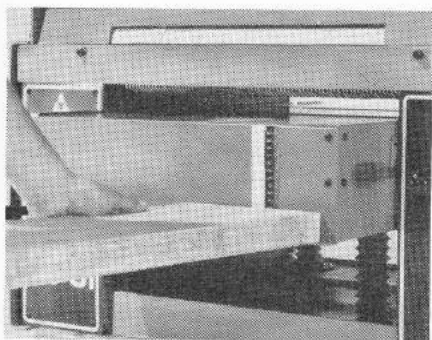
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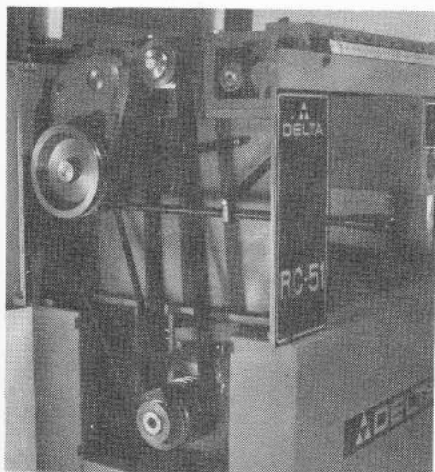
RC-51 Quality Features



Power Rise and Fall for Table. Table raises and lowers simply and quickly by use of lever on front of machine. Fine adjustments are made using the convenient handwheel and unique double magnification thickness scale with fine-line cursor.



Lumber Gauge. Handy lumber gauge on front edge of table enables operator to measure stock thickness quickly prior to planing. Device helps speed up production.



Efficient, Fully Accessible Drive System. Motor, located in base, drives cutterhead through an efficient triple belt drive. Motor also drives the oil-lubricated, feed gear box. When machine is under heavy load and cutterhead slows down, feed rate decreases proportionately. To change feed speed, simply move V-belt from one pulley step to the other.

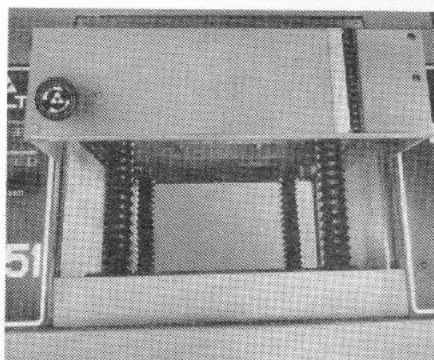
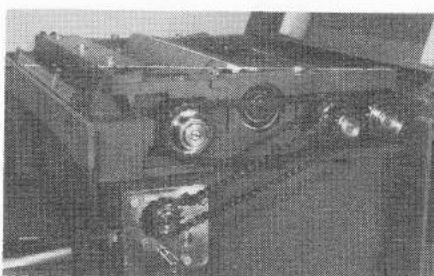
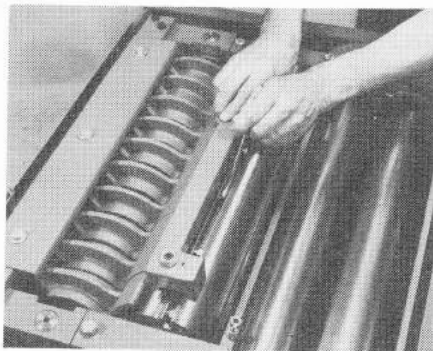


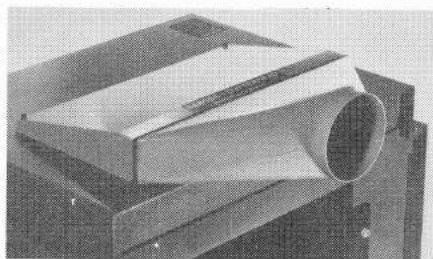
Table Support System. The large table raises and lowers on four precision, self-locking screws. Solid steel gibs keep table in perfect alignment regardless of thickness of cut. Dust-proof rubber boots protect screws from abrasive dust and moisture.



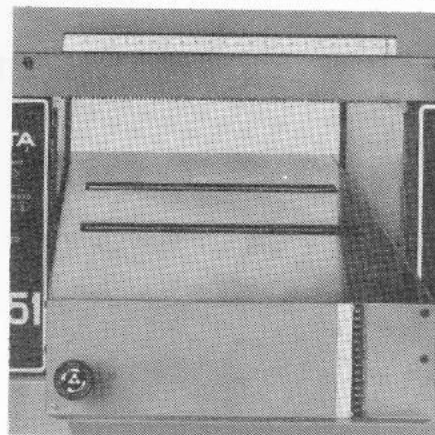
Feed Roll Drive. First outfeed roll is driven through feed gear box and supplies power to second outfeed roll, infeed roll and table rise and fall gear box. Heavy duty chains and sprockets are used throughout system.



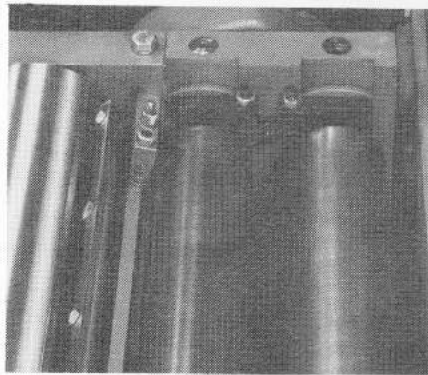
Fast, Accurate Knife Adjustment. Standard equipment knife setting gauge permits safe, accurate knife setting. Uniform setting assures greater cutting efficiency and longer performance life for knives.



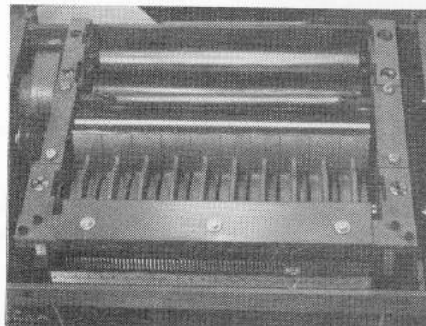
Chip Extraction. Standard equipment dust chute has 6" opening for shops with central dust collection system. If a collection system is not available, round adapter may be removed for free exhausting of chips.



Large Table; Twin Bed Rolls. The spacious 20 x 32 3/4" precision ground table is equipped with two adjustable bed rolls located directly below feed rolls for smooth, positive stock feeding. Bed roll height can be quickly adjusted to any of five heights from front of machine to suit variations in planing conditions.



Rear Pressure Bar and Double Outfeed Rolls. Adjustable, spring-loaded rear pressure bar maintains even force on planed stock, practically eliminating vibration, and assuring a smooth finish on stock. Adjustable twin outfeed rolls help maintain positive feeding under all conditions.



Modular Construction. Entire cutterhead and feed group is modularly mounted to the machine frame, including separate bearing blocks for cutterhead. This allows the entire cutterhead to be removed without disturbing feed system settings. System also includes ten 2" wide sectional chipbreakers for full width, even pressure on wide, tapered stock. Full width anti-kickbacks provide added safety.

Delta DC-33 13" x 5.9" Planer

An Innovative Approach to Efficient, Low Cost Planing

Unlike planers with conventional fixed cutting heads and adjustable tables, the DC-33 features a **stationary table** and a unique **cutterhead/feed assembly** that **raises and lowers** to compensate for thickness of material.

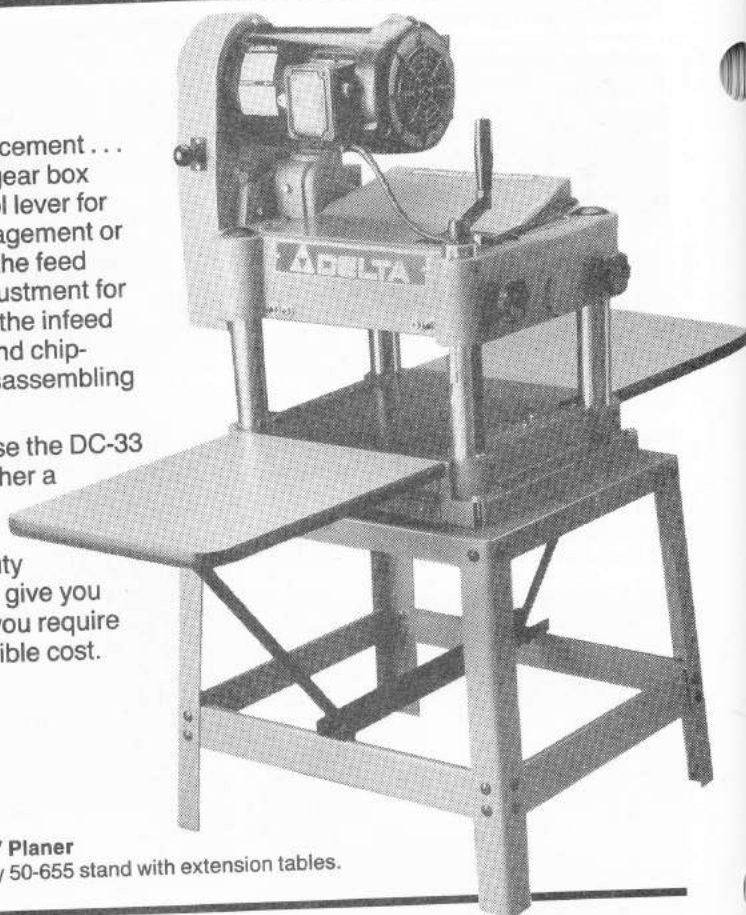
The stationary table is a finely ground cast iron surface without the usual bed rolls. It not only facilitates stock feeding, but also eliminates troublesome end sniping and marring of the work surface.

It will smoothly surface stock from a minimum 1/8" to a maximum 5.9" thick, up to 13" wide; a minimum of 8" long, unbutted.

Ruggedly built with cast-iron components, the DC-33 offers the superior construction features normally found in larger, bigger capacity machines: large 2.95" diameter, 3-knife cutterhead with a jack screw knife holding arrangement for easy, accurate knife

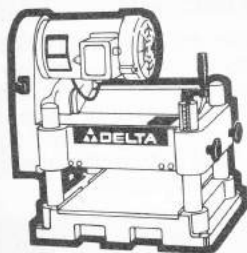
adjustment or replacement... oil lubricated feed/gear box with a handy control lever for instantaneous engagement or disengagement of the feed rolls... exterior adjustment for raising or lowering the infeed and outfeed rolls and chip-breaker without disassembling the machine...etc.

And you can choose the DC-33 13" Planer with either a 2 HP single phase or 3 HP three phase constant duty induction motor to give you the performance you require at the lowest possible cost.



No. 22-661 13" x 5.9" Planer
Shown with accessory 50-655 stand with extension tables.

Catalog Listing



No. 22-661 13" x 5.9" Planer with 2 HP Motor. Includes basic machine with 2 HP, 230 V, 60 Hz., single phase motor with cord, switch and overload, completely wired and ready to mount on motor plate with supplied hardware: 3-knife cutterhead; set of three knives; spiral in-feed roll; polyurethane out-feed roller; knife setting gage; V-belt and motor pulley.

No. 22-671 13" x 5.9" Planer with 3 HP Motor. Same as 22-661 except includes 3 HP, 200-230V, 60 Hz., three phase motor; manual motor starter with no-voltage and overload protection; wired and ready to run.

No. 22-660 13" x 5.9" Planer. Includes basic machine only with motor plate and hardware to mount motor.

No. 62-185 2 HP Motor. 230 V, single phase, ball bearing; capacitor start-capacitor run, 3450 rpm, TEFC, C-face, with cord, 230 V grounding plug, switch and thermal overload protection reset button. 52 lbs.

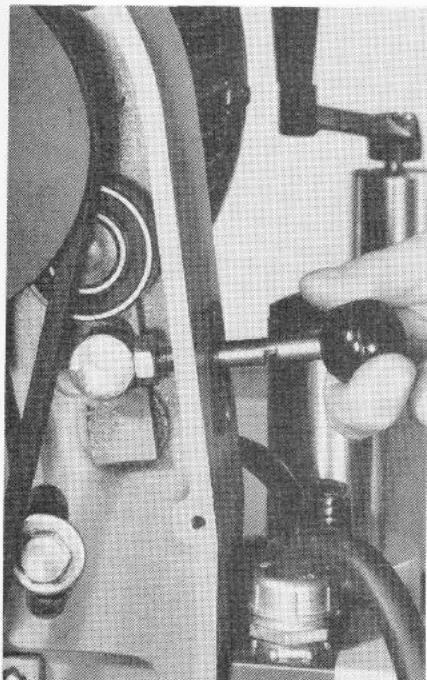
No. 52-590 3 HP Motor/Starter. 3 HP, 200-230 V, three phase, 3450 RPM, TEFC, C-face motor; wired with manual motor starter with no-voltage and overload protection.

Machine Data

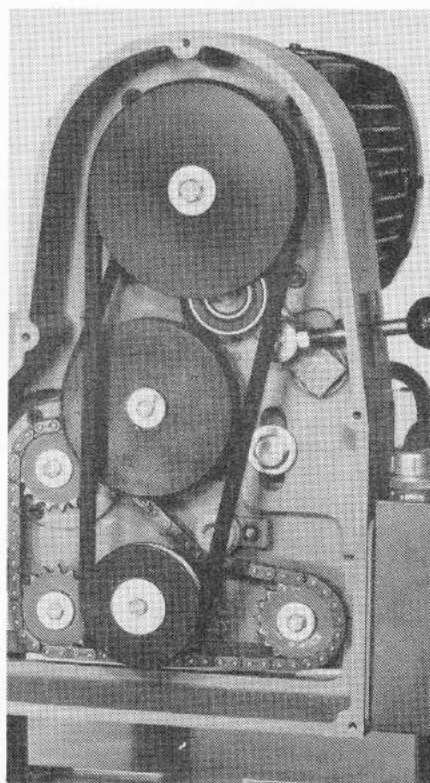
Motor	2 HP, 230V, single phase 3 HP, 200-220/440V, three phase
Capacity:	
Width of stock	max. 13" (330.2 mm)
Thickness of stock	max. 5.9" (150.0 mm) min. 1/8" (3.175 mm)
Depth of cut	max. 3/16" (4.763 mm)
Full width planing (2 HP, 1 ϕ motor)	max. 1/8" (3.175 mm)
Full width planing (3 HP, 3 ϕ motor)	max. 3/16" (4.763 mm)
Length of unbutted stock	min. 8" (203.2 mm)
Feed Rate	18.6 FPM (5.66 M/Min)
Cutterhead:	
Number of Knives	3
Diameter	2.95" (74.93 mm)
Speed	6100 RPM; 18,300 cuts per minute

Feed Rolls:	
Spiral in-feed	Solid serrated steel
Outfeed	Polyurethane
Diameter	2" (50.8 mm)
Table Size	16.45" x 13" (417.83 x 330.2 mm)
Overall Dimensions:	
Depth	18" (457.2 mm)
Width	24" (609.6 mm)
Height	24" (609.6 mm)
Height on stand	45 1/2" (1155.7 mm)
Shipping Weight:	
No. 22-660	285 lbs. (129.55 kg)
No. 22-661	320 lbs. (145.45 kg)
No. 22-665	320 lbs. (145.45 kg)

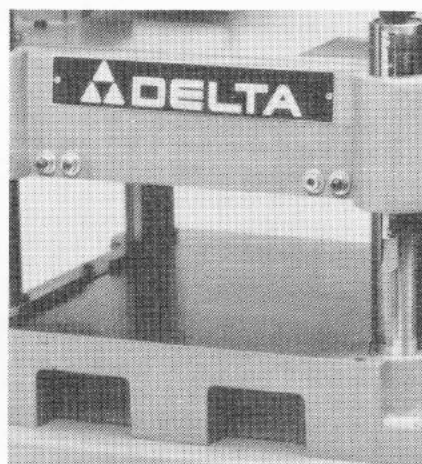
DC-33 Quality Features



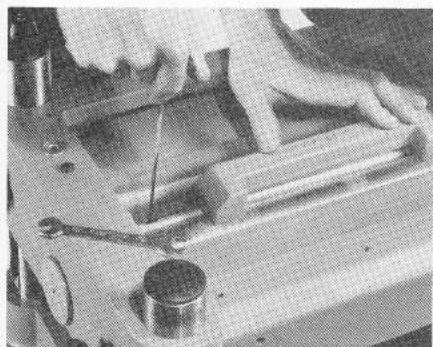
Handy Feed Control. Feed gear box features rugged chain and sprocket drive for long-lasting positive feed. Although feed slows automatically under heavy load for optimum planing under all conditions; feed rolls can be instantaneously engaged or disengaged for added safety using convenient lever control.



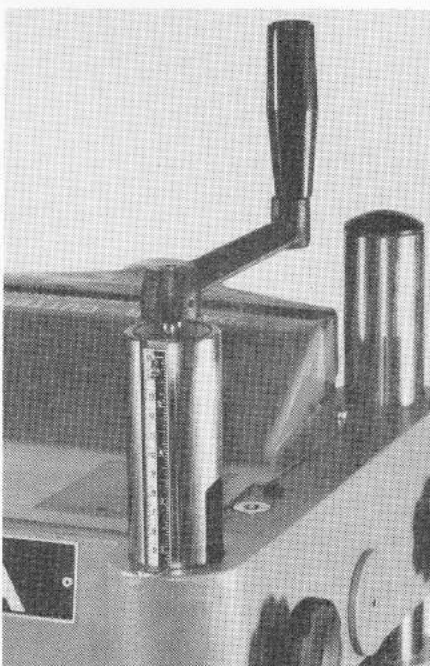
Efficient Drive System. Motor drives both the cutterhead and oil-lubricated, feed gear box. As the cutterhead slows down under heavy load, the machine's feed rate automatically decreases for optimum planing.



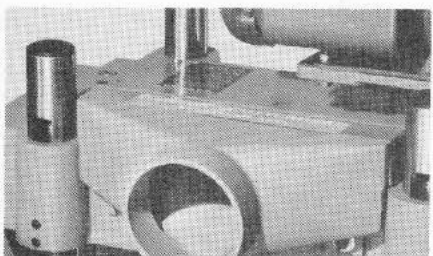
Unique Table Design. Large 13" x 16.45" table provides needed stock support. Features a finely ground cast iron surface without the usual bed rolls, to facilitate feeding material. Eliminates troublesome end sniping and marring of work.



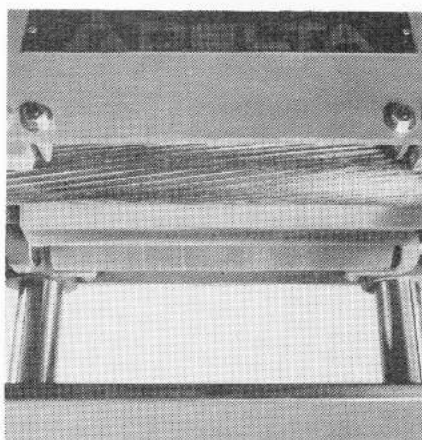
Three-Knife Cutterhead. Large 2.95" diameter cutterhead operates at 6100 rpm—18,300 cuts per minute for smooth, finished surfaces. Knives project only .020" above cutterhead surface to reduce kickback and noise level. Jack screw arrangement facilitates replacement and adjustment of individual knives.



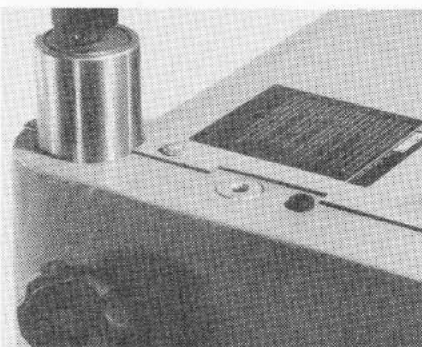
Depth of Cut Adjustment. Cutterhead and feed rolls raise and lower on precision ground steel columns. Elevating handle turns three screws, inside three of the columns for smooth effortless depth of cut adjustment. Each revolution of hand crank equals .155". Combination inch/metric scale is conveniently located for easy reading. Lock knobs securely hold the depth setting.



Chip Extraction. Shaving hood with 4 $\frac{7}{8}$ " diameter outlet is available as an accessory for connection to a dust collection system.



Simplified Cutterhead / Feed Assembly. Planer table remains stationary; cutterhead/feed assembly raises and lowers to compensate for stock thickness. Assembly includes a spiral serrated steel infeed roll for positive feeding, a spring-pressure chipbreaker plus a 3-knife cutterhead closely-coupled to a non-marking "sure-grip", polyurethane outfeed roll to maintain the positive feed rate.



Feed Pressure Adjustment. Provisions are built in for quick, easy adjustment of infeed roll pressure to suit varying planing conditions. There's also exterior adjustment provisions for raising and lowering the chipbreaker, infeed and outfeed rolls without disassembling the unit.

Delta Planer Accessories

For 24 $\frac{3}{4}$ " x 9 $\frac{3}{8}$ " Planer

No. 22-505 Set of 4 Carbide-Tipped 24" Planer Knives.

No. 22-606 Set of 4 High-Speed Steel 24" Planer Knives. 6 lbs.

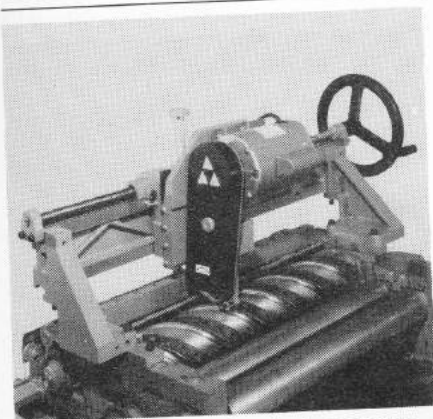
No. 22-608 Newman "Quiet Cut" Helical Carbide Cutterhead Assembly. Includes bearing blocks and bearings, pressure bar and mounting parts, carbide knife segments and cutterhead pulley.

For 20" x 9" Planer

No. 22-467 Set of 4 Carbide-Tipped 20" Planer Knives.

No. 22-466 Set of 4 High-Speed Steel 20" Planer Knives. 5 lbs.

Grinding and Jointing Attachments and Mounting Kit



Allow you to grind new bevel edges on your Delta 20" or 24" Planer Knives without removing the cutterhead from the machine.

Cat. No. 22-841 Straight Knife Cutterhead Grinding and Jointing Attachment. Includes 62-840 Motor, Grinding Wheel, Jointing Stone, Belt and Counterweight and Indexing Assembly and Wrenches. Requires No. 22-840 Mounting Kit for Attachment to Planer.

Cat. No. 22-842 Helical Carbide Cutterhead Grinding and Jointing Attachment. Includes 62-840 Motor, Diamond Grinding Wheel, Diamond Jointing Stone, Belt and Follower Assembly and Wrenches. Requires No. 22-840 Mounting Kit for Attachment to Planer.

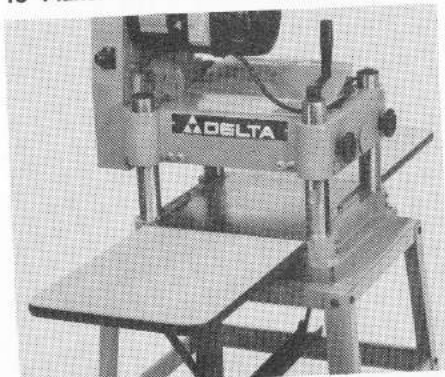
Cat. No. 22-840 Delta Grinding and Jointing Attachment Mounting Kit for Delta 20" and 24" Planers.

Required to mount 22-841 or 22-842 Straight or Helical Cutterhead Grinding and Jointing Attachment to planers.

For 13" x 5.9" Planer

No. 22-659 Set of 3 Carbide-Tipped 13" Planer Knives.

No. 22-656 Set of 3 High-Speed Steel 13" Planer Knives. 3 lbs.

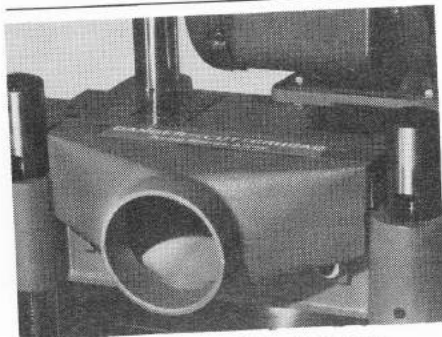


No. 50-655 Stand with Extension Tables. Includes 50-314 stand with two 14 $\frac{1}{2}$ " x 19" folding type, laminate coated tables and mounting hardware.

No. 50-314 Steel Stand. Recommended for floor model set-up. 28 lbs.

No. 50-277 Mobile Base. For 13" Planer on 50-314 Stand. 31 lbs.

Dust Collector Connectors



No. 22-658 13" Planer Shaving Hood. Mounts to rear of planer for easy connection to dust collector system. 4 $\frac{7}{8}$ " dia. outlet. 2 $\frac{1}{2}$ lbs.

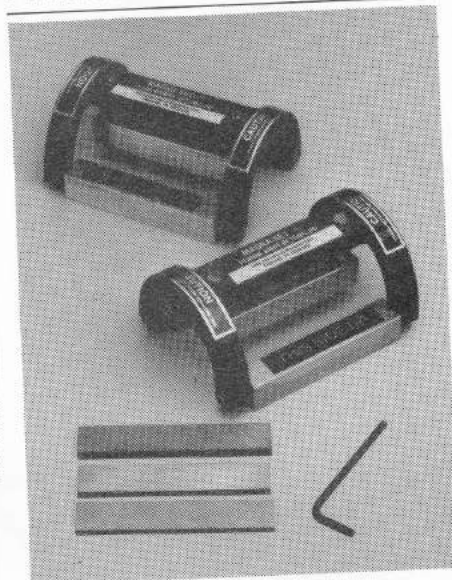
No. 50-231 13" Planer Connector. Attaches to 22-658 Shaving Hood. 5" dia. outlet.

No. 22-604 24" Planer Dust Chute. For old style 22-600 24" Planer. 5 $\frac{7}{8}$ " dia. outlet.

No. 50-218 RC-63 and RC-51 Planer Connector. 6" to 5" reducer with clamping lug on 6" end. Attaches to planer shaving hood.

For adapters and quick-disconnects, see Dust Collectors.

Delta Magna-Set™ Planer Knife Setting Jig



For use on conventional cutterheads 2" diameter or larger with steel planer knives up to 24" long. Resets planer knives in minutes to accuracy of .002". Includes .055", .100" and .157" calibrating bars.

No. 22-663 Set of 2 Magna-Set Planer Knife Setting Jigs. With calibrating bars.

Delta Rotacator Rotating Dial Indicator



Simplifies adjustment of planer feed rolls, chip breakers, bed rolls and pressure bar; also bed and knife parallelism. Eliminates troublesome end snipes and chattered or nonparallel surfaces. Magnetically "stays in place" while out-of adjustment part is "dialed back" to proper setting. Accurately tunes planer in 15 minutes to tolerance of .001" over a .275" range.

No. 22-664 Rotacator Dial Indicator. With Lifetime Magnetic Base.

Delta Routers and Wood Shapers

Select the machine that best suits your needs!

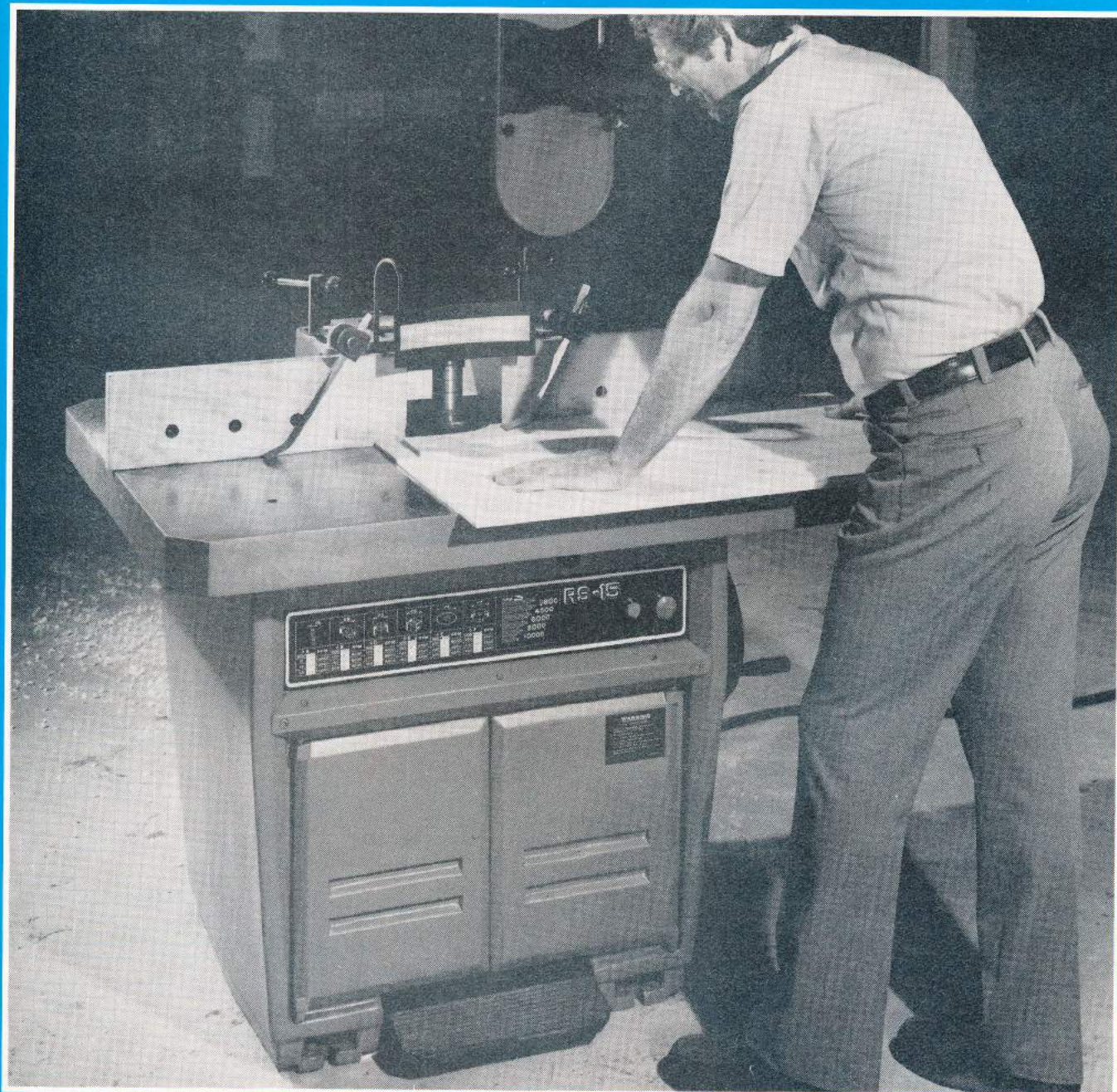
RU-50 Overarm Router. Makes accurate internal and external routing a simple operation. Economically priced.

Inverted Pin Router. Unique inverted design gives you clear view of the template path instead of the blank face of the workpiece.

5-Speed Production Shaper. For fast, accurate straight-line production or intricate hand shaping using six spindles from $\frac{3}{4}$ " to $1\frac{1}{2}$ ".

2-Speed Heavy Duty Shaper. A high-speed production unit that handles five spindle sizes— $\frac{1}{2}$ " to 1"—for unmatched versatility.

Light Duty Shaper. A ruggedly built, low cost shaper that offers unlimited possibilities for making mouldings on straight, internal and external, curved and irregular surfaces.



Delta RU-50 Router

Offers exceptional versatility combined with precision accuracy and high level performance!

You will be amazed at all the operations you can handle with Delta's RU-50 Router. For example, you can do routing, moulding, beading, grooving, shaping, rabbeting and dozens of other jobs. And with

the wide range of supplied accessories, you can do everything from intricate pin routing to high volume production.

These high quality features make it all possible: preferred flat belt drive powered by a heavy duty, single or three phase motor—spindle speeds of 9,000 and 18,000 RPM—rigid single unit, C-frame construction—big 21" throat capacity—six-position turret depth stop—pneumatically controlled

spindle raising and lowering—large 17 $\frac{5}{8}$ x 23 $\frac{5}{8}$ " table—and much more.

The RU-50's great versatility, together with its many fine features, make it well suited for furniture manufacturers, cabinet and pattern shops, display houses, novelty and specialty shops, and in schools and universities.

Let us show you this great router value in action today!



Catalog Listing



No. 43-561 Overarm Router. Includes basic machine with steel legs, 2 HP, 230 V, 60 Hertz, single phase motor with cord, switch and overload, completely wired, ready to mount on motor plate with supplied hardware; 1/4" and 1/2" collets; guide pins and tool set.

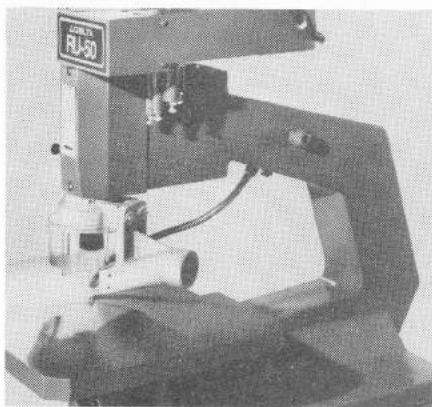
† **No. 43-565 Overarm Router.** Same as 43-561 except includes 3 HP, 200-220/440 V (wired 220 V), 60 Hertz, three phase motor; motor pulley; manual motor starter with no-voltage and overload protection, wired and ready to run.

† **No. 49-000 "JIC" Type Control Kit.** Specify this catalog number, in addition to three phase catalog number, in order to obtain machine with factory mounted and wired "JIC" type electricals.

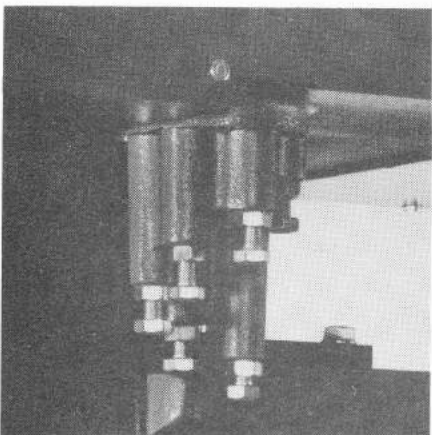
Machine Data

Motor	..... 2 HP, 230 V, single phase 3 HP, 200-220/440 V, three phase
Spindle:	
Speed	..... 9,000 and 18,000 RPM
Head Travel	..... 23/4" (70 mm)
Collets	..... 1/4", 1/2", (6.35, 12.7 mm)
Air pressure required	..... 90 PSI
Table (has dovetail ways with adjustable gib and lock feature)	
Size	..... 17 $\frac{5}{8}$ " x 23 $\frac{5}{8}$ " (447.7 x 600 mm)
Rise	..... 4 1/2" (114.3 mm)
Tilt	..... 45° to front
Height from floor, max.	..... 42" (1066.8 mm)
min.	..... 37 1/2" (952.5 mm)
Clearance between table and spindle, max.	..... 8 1/8" (206.4 mm)
min.	..... 7/8" (22.2 mm)
Retractable Guide Pins (travel)	..... 0 to 1/2" (12.7 mm)
Six Diameters	..... 1/8", 3/16", 1/4", 5/16", 3/8", 1/2" (3.17, 4.76, 6.35, 7.94, 9.53, 12.7 mm)
Overall Dimensions:	
Height	..... 73 1/4" (1860.5 mm)
Width	..... 23 $\frac{5}{8}$ " (600 mm)
Depth	..... 39 1/2" (1003.3 mm)
Net Weight	..... 445 lbs. (201.8 Kg.)

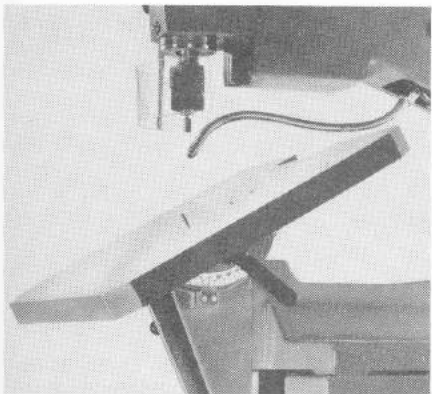
RU-50 Quality Features



Big Throat Capacity/C-Frame Construction. Distance between spindle and column measures 21", ample capacity for handling big jobs. Entire unit, including overarm, support column and base, is cast iron constructed as one solid unit, providing rigidity at the spindle for accurate routing. Standard equipment safety shield helps protect operator while dust chute removes saw dust and chips from work, speeding up production.



Turret Depth Stops. Revolving turret depth stop is adjustable to six spindle positions to accommodate various depths in a single workpiece. A simple turn of the turret positions the spindle to the preselected depth setting level, eliminating excessive downtime.



Large, Tilting Table. Spacious, precision ground table measures 17 $\frac{5}{8}$ x 23 $\frac{5}{8}$ ". Table may be tilted up to 45° for angle routing, using the large tilt scale.

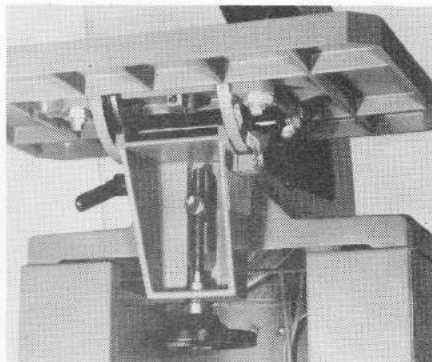
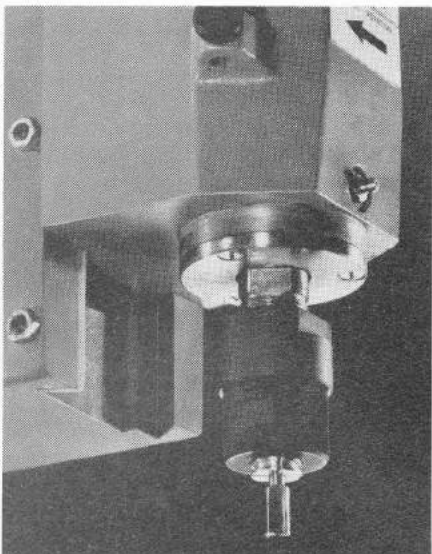
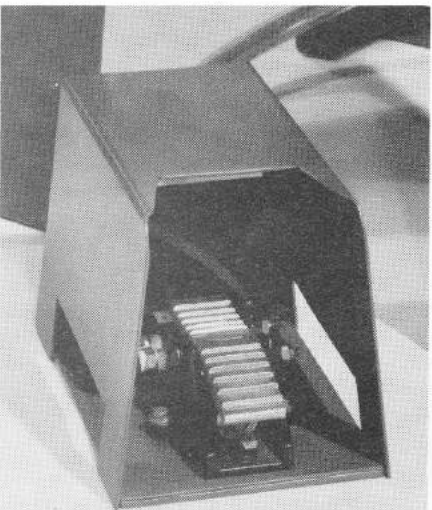


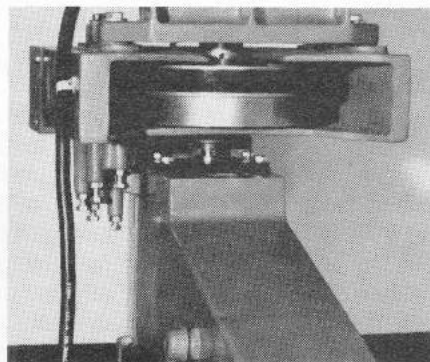
Table Suspension and Positioning. Large, heavily ribbed 17 $\frac{5}{8}$ x 23 $\frac{5}{8}$ " table and double trunnions are supported by a massive casting. Table may be raised or lowered up to 4 $\frac{1}{2}$ " using the giant handwheel.



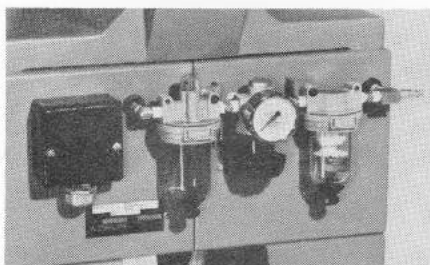
Adjustable Head Travel. Routing head travels up to 2 $\frac{3}{4}$ " on dovetailed ways. Adjustable gib assures continued accuracy. Spindle bearings can be easily lubricated using readily accessible grease fittings.



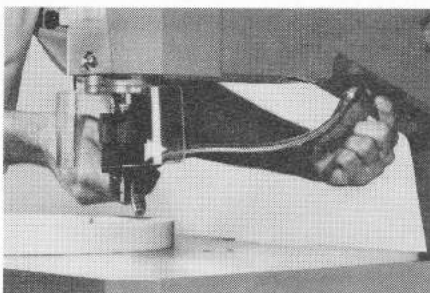
Pneumatic Spindle Height Control. Spindle movement is readily controlled by operator, using a pneumatic cylinder with shielded foot control for safer operation.



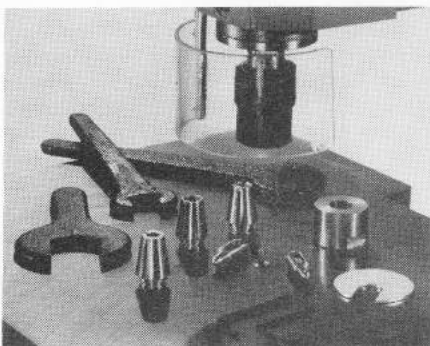
Spindle Drive. Spindle is driven by a dependable flat belt, together with a two-step pulley offering speeds of 9,000 and 18,000 RPM. This proven system utilizes full power from the heavy duty 2 and 3 HP motors.



Filter-Lubricator System. Router is supplied with a high quality, industrial type filter-lubricator. Easily adjusted regulator permits correct oil flow to spindle raising components.



Chip Blower. Unit is fully adjustable for both position and air volume. Especially useful when routing deep grooves, it removes chips continually, resulting in higher quality work.



Guide Pins, Collets and Tools. The RU-50's standard equipment includes six guide pin diameters (1/8", 3/16", 1/4", 5/16", 3/8" and 1/2"); collets for 1/4" and 1/2" shank bits; spindle wrenches; Allen wrenches for guide pins, collet removal tool, and special spindle nut to adapt Leitz-type chuck to router.

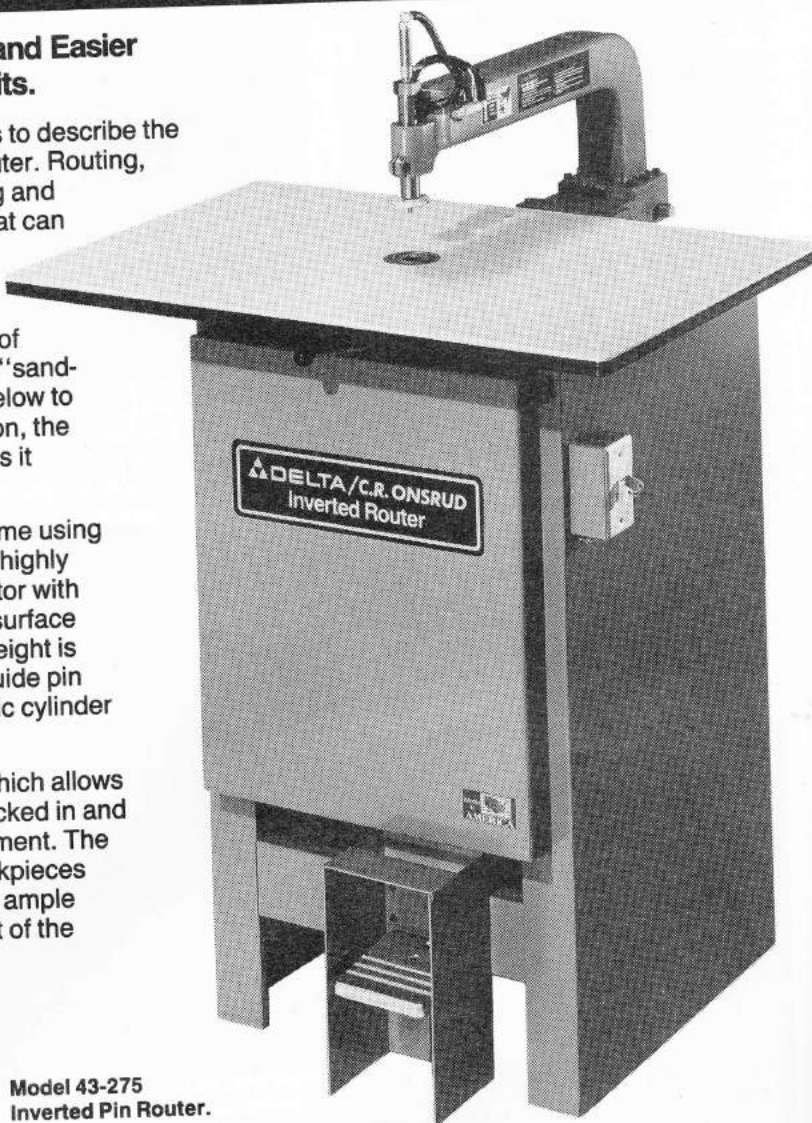
Delta Inverted Pin Router

Inverted Design Offers Greater Accuracy and Easier Operation than Conventional Overarm Units.

Flexibility and improved performance are two ways to describe the benefits of the Delta/C.R. Onsrud Inverted Pin Router. Routing, shaping, internal cutting, slotting, boring, mortising and rabbeting are just a few examples of operations that can be quickly and easily performed with the Inverted Pin Router. The unique inverted design feature simplifies the job by offering the operator a clear view of the template path instead of the blank face of the workpiece. The workpiece is "sandwiched" between the template on top and table below to reduce possible deflection and vibration; in addition, the operator has less exposure to the rotating cutter as it enters the workpiece for greater safety.

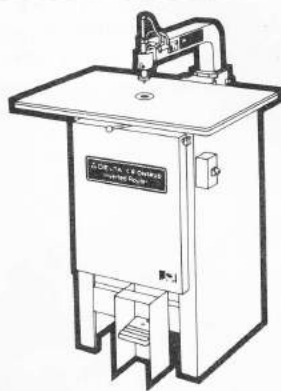
The spindle is mounted to a cast iron machine frame using hardened steel guide rods resulting in a rigid and highly accurate machine. The commercial duty 3HP motor with 22,000 rpm spindle is supported below the table surface in a fully sound insulated steel cabinet. Spindle height is mechanically controlled via the foot pedal. The guide pin extends and retracts automatically by a pneumatic cylinder controlled by the same pedal.

Other features include the three-position turret which allows three infinitely adjustable cutting heights to be locked in and subsequently changed with a simple lever movement. The full 20" throat capacity accommodates large workpieces while the 24" x 36" acrylic-topped table provides ample support and a smooth surface for free movement of the workpiece and template.



Model 43-275
Inverted Pin Router.

Catalog Listing



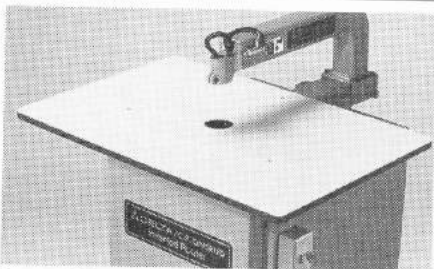
No. 43-275 Inverted Pin Router. Includes Basic Machine with 3 HP, 230V, 60 Hz, Single Phase motor with cord, switch and overload, completely wired; fabricated steel cabinet, 1/2" collet, four guide pins (1/4", 5/16", 3/8" and 1/2" dias.), tube of 90 weight oil, oil gun, wrenches and instruction manual.

No. 43-276 Inverted Pin Router. Same as 43-275 listed above except with 3 HP, 115 V, 60 Hz, Single Phase motor.

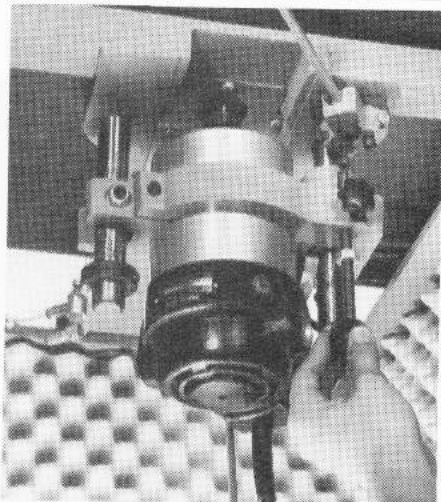
Machine Data

Motor	3 HP, 230 V, single phase, commercial duty 3 HP, 115 V, single phase, commercial duty
Spindle:	
Speed	22,000 RPM
Head Travel	2 1/2" (63.5 mm)
Collet	1/2" (12.7 mm)
Air Pressure Required	100 psi (.5 CFM)
Table:	
Size	24" x 36" (609.5 x 914.4 mm)
Material	Acrylic topped phenolic with dust collection chamber
Height from floor	40 1/4" (1022.4 mm)
Retractable Guide Pins (travel)	0 to 1/2" (0 to 12.7 mm)
Diameters	1/4", 5/16", 3/8", 1/2" (6.35, 7.94, 9.53, 12.7 mm)
Dust Collection	2 1/2" I.D. (63.4 mm) 200 CFM
Throat Capacity	20" (508.0 mm)
Overall Dimensions:	
Height	53 1/4" (1352.55 mm)
Width	35 1/2" (901.7 mm)
Depth	35 3/4" (908.05 mm)
Net Weight	260 Lbs. (118.2 Kg)
Shipping Weight	300 Lbs. (136.4 Kg)

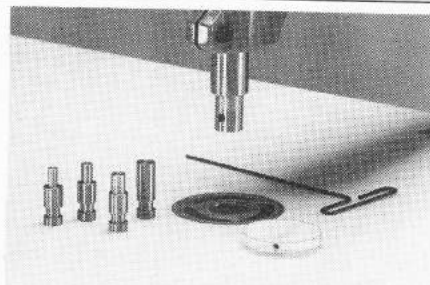
Quality Features



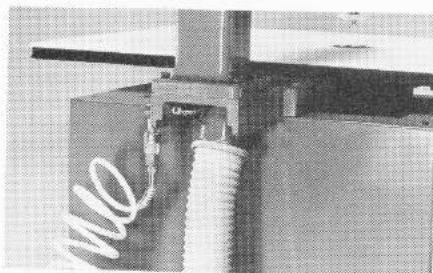
Large 24" x 36" acrylic topped table with 20" throat capacity for handling big jobs. Machine frame and spindle-mount are cast iron; providing the rigidity necessary for accurate routing.



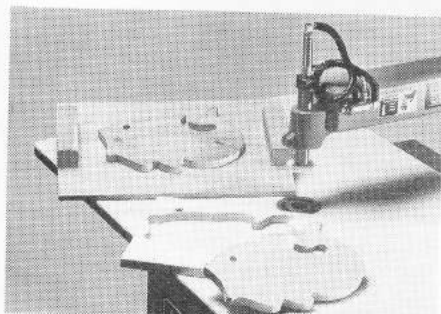
Three-position depth stop adjusts spindle positions to accommodate various depths in a single workpiece or for making multiple cutting passes in thick materials.



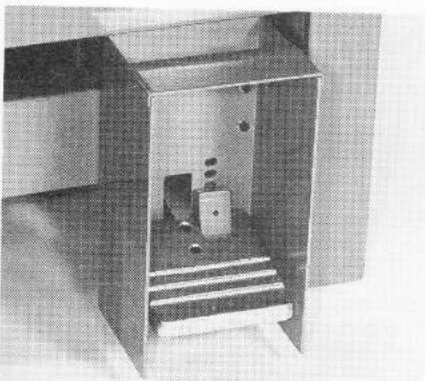
Four guide pins ($\frac{1}{4}$ " , $\frac{5}{16}$ " , $\frac{3}{8}$ " and $\frac{1}{2}$ " dias.) are supplied to accommodate different template designs and to enable matching or offsetting cutter diameter for desired finished size.



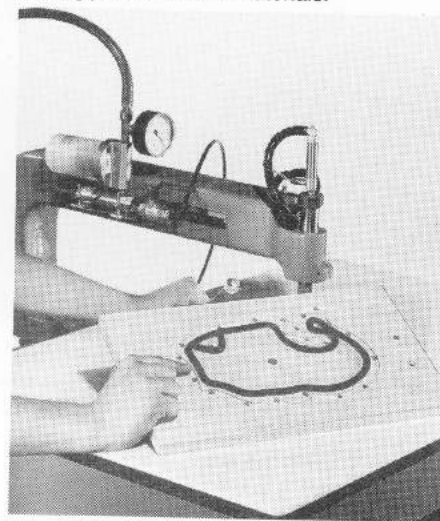
A built-in vacuum chamber below the table surface with $2\frac{1}{2}$ " diameter exhaust outlet for dust collection hook-up, assures efficient dust and chip removal; greater routing efficiency.



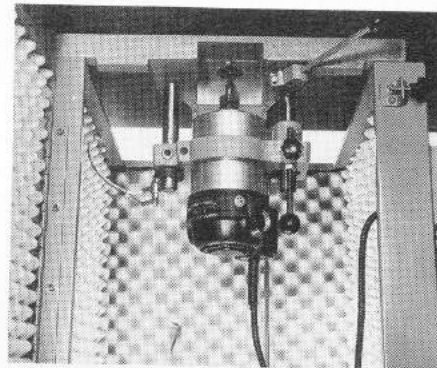
A sample part or pattern can be made by tracing the original with the overhead guide pin on a one-to-one ratio with the cutter diameter. Similarly, part size can be increased or decreased by offsetting the size of the pin with respect to the size of the cutter.



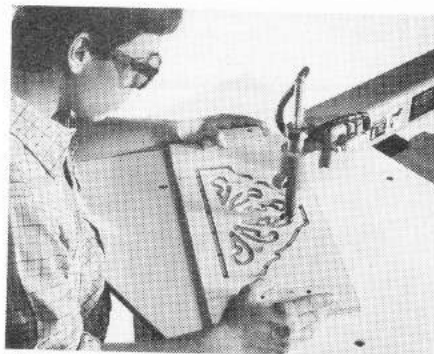
The spindle with cutter mounted rises above the table surface as the guide pin lowers pneumatically when the foot pedal is depressed. The lock at the back of the pedal can be engaged to lock the spindle in an "up" position. When locked, the operator is afforded more movement during operation.



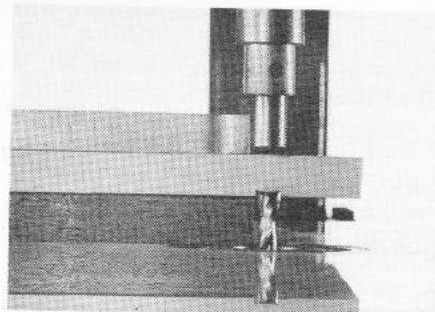
An accessory vacuum attachment is available for holding the workpiece to the template quickly and easily without taping or tacking. A rubber grommet is applied to the template for an air tight fit. The vacuum attachment uses ambient air to create a suction between the template and workpiece.



The fabricated steel cabinet is totally insulated to dampen noise levels. Front door opening provides easy access to cutter height controls.



The inverted design makes following complicated template designs easy with less opportunity for slips that could damage the template or the workpiece.

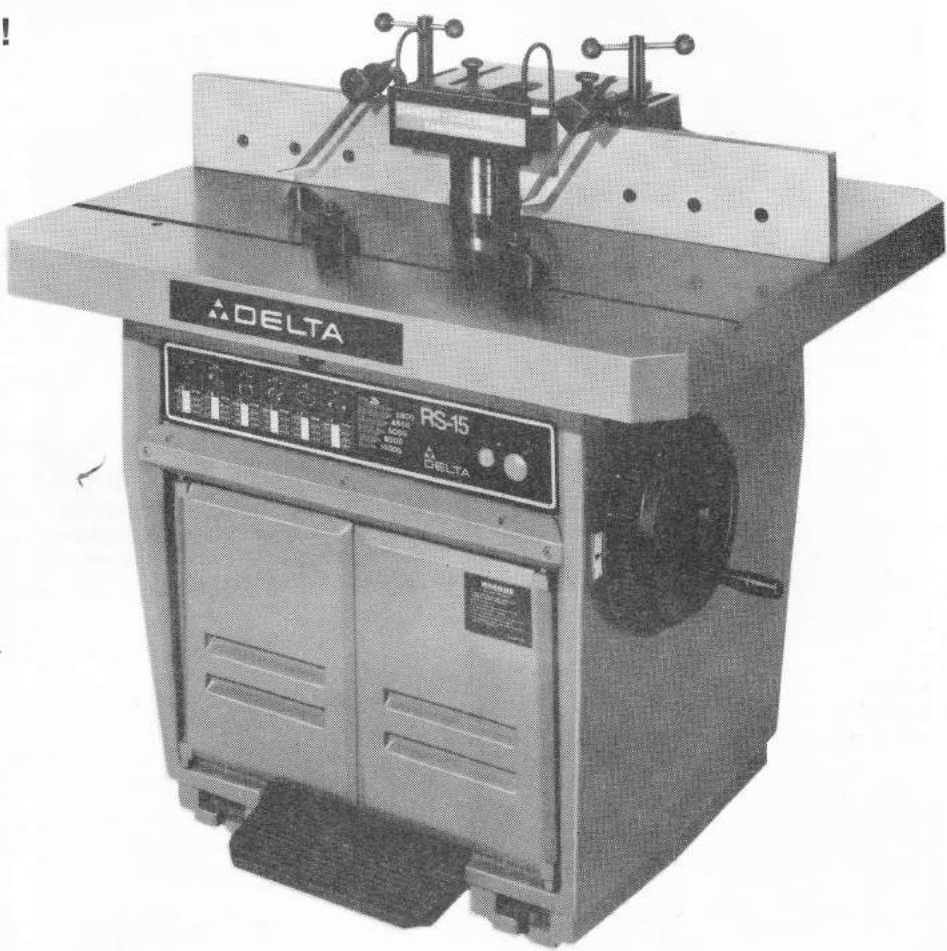


Ease of operation and safety are two important features of the inverted design. As you can see by the photo, the cutter is not exposed, therefore, the operator has less risk of injury than with conventional overhead routers.

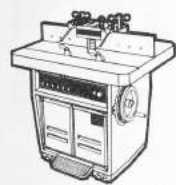
Delta RS-15 5-Speed Wood Shaper

For fast, accurate straight-line production or intricate hand shaping!

Packed with dozens of fine features, the heavy-duty RS-15 is designed for efficient, vibration-free performance in a variety of woodworking operations. Exceptionally versatile, it will handle six interchangeable spindles ranging from 3/4" to 1 1/2". Here's why the RS-15 Shaper is such a great value: selection of five spindle speeds for greater versatility; 5 or 7 1/2 HP motor to handle heavy-duty operations; extra large 35 x 43" T-slot table for greater work support; independently adjustable fence guard assembly to accommodate various cutter sizes; precision ground, balanced spindle that runs on high-speed ball bearings for smooth operation; foot brake that stops spindle fast; convenient controls; and much more!



Catalog Listing



† No. 43-780 5-Speed Heavy-Duty Wood Shaper. Includes 7 1/2 HP, 200-220/440 V (wired 220 V), 60 Hertz, three phase motor with magnetic starter and automatic reset overload; mechanical spindle brake; spindle lock; 3/4" and 1 1/4" spindles; four table insert rings; adjustable fence guard assembly, miter gage and tool set.

No. 43-781 5-Speed Heavy-Duty Wood Shaper. Same as above, except with 5HP, 230 V. 60 Hertz, single phase motor with magnetic starter and automatic reset overload.

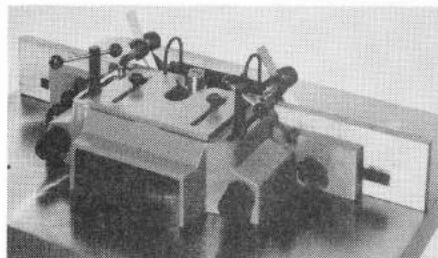
† No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in order to obtain machine with factory mounted and wired "JIC" type electricals.

Machine Data

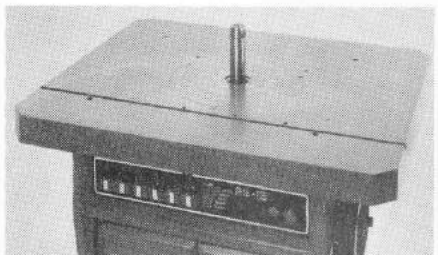
Motor (TEFC)	5 HP, 230 V, 60 Hertz, single phase 7 1/2 HP, 200-220/440 V (wired 220 V), 60 Hertz, 3 phase
Spindle (No. 5 Morse Taper):	
Diameters (furnished)	3/4" and 1 1/4" (19.05 mm and 31.75 mm)
Diameters (accessories)	7/8", 1", 1 1/8" and 1 1/2" (22.2, 25.4, 28.5 and 38.1 mm)
Length (3/4" spindle)	4 3/4" (120.65 mm)
(1 1/4" spindle)	6 3/4" (171.45 mm)
Travel	7.68" (195 mm)
Maximum height above table	5 1/4" (133.35 mm)
Rotation	Counter-Clockwise
Capacity (under nut):	
3/4" spindle	3 1/2" (88.9 mm)
7/8" spindle	4" (101.6 mm)
1" spindle	4 3/4" (120.6 mm)
1 1/8" spindle	5 3/8" (136.5 mm)
1 1/4" spindle	4 3/4" (120.6 mm)
1 1/2" spindle	5 3/8" (136.5 mm)

Spindle Speeds (forward and reverse)	Five: 2800, 4500, 6000, 8000 and 10,000 RPM
Brake for Spindle	Mechanical
Table:	
Size	35.43 x 43.3" (900 x 1100 mm)
Height from floor	33 1/2" (850.9 mm)
Insert opening diameters, O.D.	6 5/8", 10 5/8", 13 3/4" and 16 1/2" (168.3, 269.9, 349.25 and 419.1 mm)
Fence:	
Plate Size	5 3/4" x 18 3/4" (146.05 x 476.25 mm)
Size, overall	Min. 37 1/2" (952.5 mm) Max. 48 3/4" (1238.25 mm)
Dust Collection Capability	see Page O2
Overall Dimensions:	
Depth	35.43" (900 mm)
Width	43.3" (1100 mm)
Height	43 1/2" (1104.9 mm)
Net Weight	1135 Lbs. (515 Kg.)

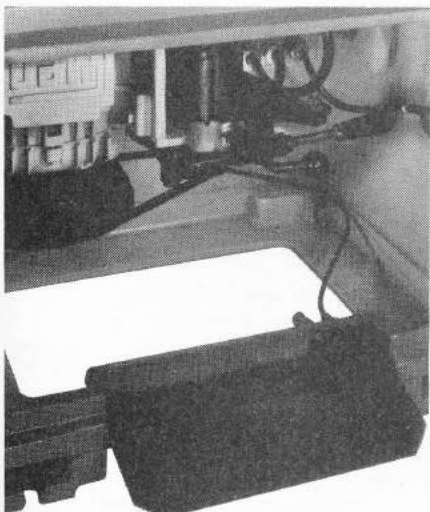
Delta RS-15 5-Speed Wood Shaper Quality Features



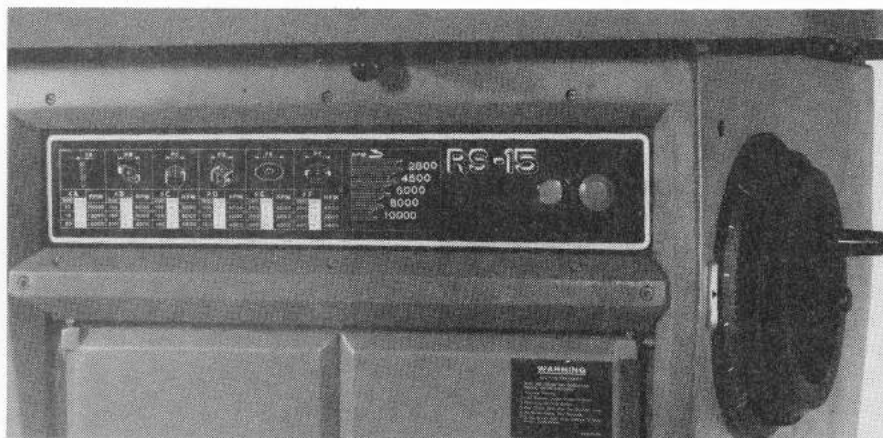
Fence Guard Assembly. Assembly is equipped with top and front adjusting guards and two spring hold-downs. Both fence halves are independently adjustable for dept-of-cut settings, also adjust longitudinally for correct fence opening to accommodate various cutter sizes. Large T-handles firmly lock fence to table. Entire assembly can be easily removed for hand shaping of curved or irregular work. Cutter guard fits firmly in top of fence permitting operator good visibility and maximum safety. Large, rectangular chip chute facilitates easy hook-up to dust collection system.



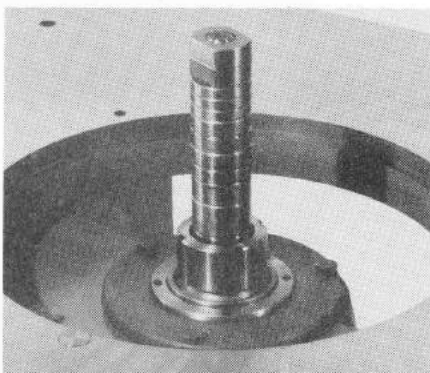
Spacious Table. Precision ground, heavily ribbed T-slot table is 35 x 43" in size, providing ample support for shaping extra large stock.



Mechanical Brake and Spindle Lock. When brake pedal is depressed, motor is turned off automatically and a cable activates a cone-type brake inside spindle pulley for fast braking action. Spindle lock prevents movement when changing spindles or cutters.



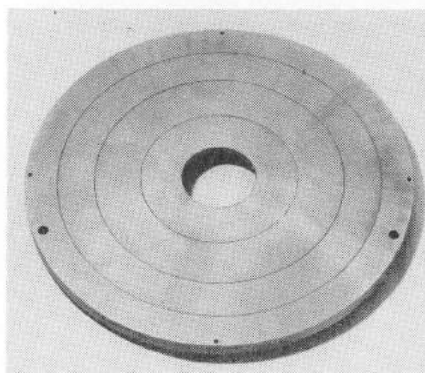
Convenient Controls. Located in an up-front panel are the on-off controls together with a speed reference chart for various shaper operations. Adjacent, large diameter handwheel facilitates easy spindle height adjustments while lock knob maintains setting. One turn of handwheel moves spindle .080" (2 mm). Micrometer collar, with lock knob, surrounds handwheel and is used for minute settings. Each increment on collar equals .004" (.1 mm)



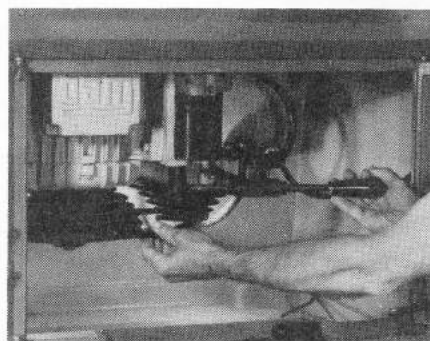
Big Capacities. Standard 3/4" and 1 1/4" diameter spindle extensions provide a travel of 7.68". Capacity under the nut for the 3/4" spindle is 3 1/2", 4 3/4" for 1 1/4" spindle, and 5 3/8" for 1 1/2" spindle for wide cutters. Spindle extensions include spacing collars and double spindle nuts.



Accurate, Versatile Spindle Design. Precision ground, dynamically balanced spindle runs on pre-lubricated ball bearings for smooth operation. Various size spindle extensions mount to spindle with No. 5 M.T. for accurate alignment, and are mounted or removed by using a locking nut with differential threads and special wrench supplied with machine.



Removable Insert Rings. The RS-15 has four precision ground, removable insert rings in 6 5/8", 10 5/8", 13 3/4" and 16 1/2" diameters to accommodate various cutter sizes. Outer ring has pre-drilled holes to accommodate adjustable fence, which can be rotated to any position on top of table and can be locked in position from the front of the machine.



Fast, Easy Speed Changes. Single V-belt drive transmits power from motor pulley to spindle pulley. The RS-15 offers five speed selections—2800, 4500, 6000, 8000 and 10,000 RPM—to suit any type of shaping operation. Dual-purpose lever releases belt tension for fast speed changes, also is adjustable for correct belt tension.

Delta Two-Speed Heavy Duty Wood Shaper

A high-speed production unit that handles five spindle sizes— $\frac{1}{2}$ " to 1"

Because of the wide range of shaper cutters it will accommodate, there's practically no limit to the variety of cuts this Delta 2-Speed Shaper will produce. It will handle $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" standard spindles, a $\frac{1}{2}$ " stub spindle, plus an extra long $\frac{3}{4}$ " spindle with $4\frac{3}{8}$ " capacity under the nut. And, because it has two spindle speeds—7,000 and 10,000 RPM—it will handle practically any shaping operation, including panel raising. Because of its great shaping versatility, this popular machine is well suited for cabinet shops, furniture factories, specialty shops, school shops, sash and door companies and similar installations.



No. 43-370 Heavy Duty Wood Shaper
shown with table extension and electricals.

Catalog Listing



No. 43-370 2-Speed Wood Shaper with the 43-349 8 x 27" table extension, 43-830 deluxe fence guard assembly, 43-937 $\frac{3}{4}$ " spindle, 43-347 $\frac{1}{2}$ " spindle, 43-440 $4\frac{1}{2}$ " Safe Guard II™ spindle guard with 43-555 bushing to also fit $\frac{1}{2}$ " spindle, table inserts, starting pin, 2-speed spindle pulley and wrenches. Without motor, controls, motor pulley, V-belt or cutters.



No. 43-349 Table Extension, solid type, 27" x 8". Increases 28 x 27" table with one extension to 36 x 27" when second extension is added. 25 lbs.



Complete 2-speed Heavy Duty Wood Shaper, with motor and controls factory mounted and wired, ready to run.

Catalog Number w/Interchangeable $\frac{1}{2}$ " & $\frac{3}{4}$ " Spindles	Catalog Number w/1" Solid Spindle & Spacing Coilers	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt., Lbs.
43-375	43-384	Single Phase 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and Overhead Protection (LVC)	TEFC	60-3450	230	424
†43-372		Three Phase 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	409
	†43-385	Three Phase 5 HP		TEFC	60-3450	230/460	413
43-373		Three Phase 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	200	409
	43-386	Three Phase 5 HP		TEFC	60-3450	200	413

All motors supplied with integral reversing switch.

NOTE: Single phase electricals will be supplied for 230 V. Three phase electricals will be supplied for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only.

† **No. 49-000 "JIC" Type Control Kit.** Specify this Catalog No., in addition to Three Phase Catalog No. 43-372 or 43-385, in order to obtain Heavy Duty Wood Shaper with "JIC" type electricals, factory mounted and wired.



No. 43-370 and all electrical kits are CSA certified in Canada.

Machine Data

Spindle:

Diameters furnished $\frac{1}{2}$ " (12.7 mm) and $\frac{3}{4}$ " (19.05 mm) or 1" (25.4 mm) only

Diameters

(accessory equipment) 1" (25.4 mm)
 $\frac{3}{4}$ " (19.05 mm) extra long and $\frac{1}{2}$ " (12.7 mm) stub

Capacity (under nut):

1" (25.4 mm) spindle 4" (101.6 mm)
 $\frac{3}{4}$ " (19.05 mm) spindle $3\frac{1}{4}$ " (82.5 mm)
 $\frac{3}{4}$ " (19.05 mm) spindle (extra long) $4\frac{3}{8}$ " (111.1 mm)
 $\frac{1}{2}$ " (12.7 mm) spindle $2\frac{1}{2}$ " (63.5 mm)

Travel 3" (76.2 mm)

Speed

(forward and reverse) 7,000 and 10,000 RPM

Table:

Size 20 x 27" (508 x 685.8 mm)

Size (with extra extension) 28 x 27" 711.2 x 685.8 mm)

Size (with two extra extensions) 36 x 27" (914.4 x 685.8 mm)

Height 34" (863.6 mm)

Insert opening diameters $6\frac{3}{4}$ " (171.4 mm), $3\frac{1}{2}$ " (88.9 mm), 3" (76.2 mm) and $1\frac{3}{8}$ " (34.9 mm)

Face Size (each side) $3\frac{3}{4}$ x $12\frac{3}{8}$ x $1\frac{5}{16}$ " (95.2 x 314.3 x 23.8 mm)

Dust Collection Capability see Page O2

Overall Dimensions:

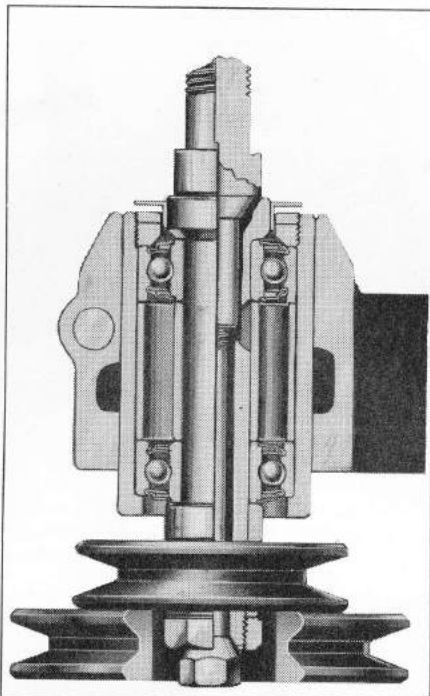
Width 20" (508 mm)

Width (with two extra extensions) 36" (914.4 mm)

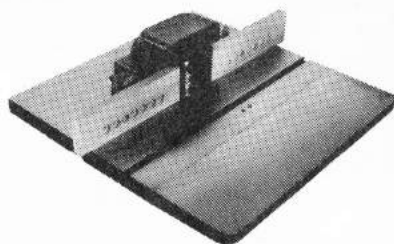
Depth 27" (685.8 mm);

Height $37\frac{3}{4}$ " (958.8 mm)

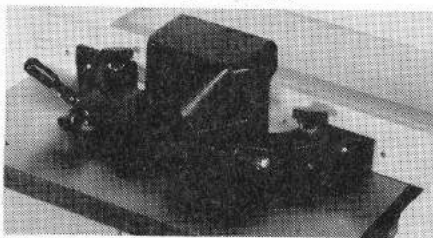
Motor accommodates NEMA frame motors 56 and 145T



Rugged Spindle Assembly. Short, rigid drive spindle and closely set lubricated-for-life ball bearings—pre-loaded to prevent distortion at high speeds—assure accurate, chatter-free shaping.



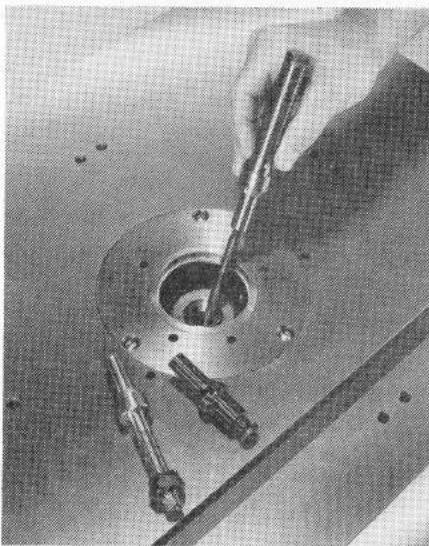
Massive Table. Measures a full 28 x 27". Can be increased to 36 x 27" by adding two extension wings. Furnishes ample support for shaping large work. Has precision ground face, ribbed under-table construction to prevent warping and springing. Milled $\frac{3}{8}$ x $\frac{3}{4}$ " groove permits use of a variety of accessory work-holding devices, such as miter gage, tenoner and sliding shaper jig.



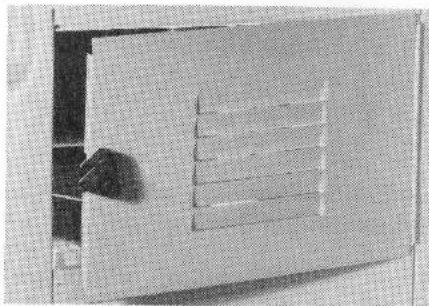
Fully Adjustable Fence. Both fence halves are independently adjustable for precise depth-of-cut settings using their same convenient control knob and locking lever. Fence halves measure a full $3\frac{3}{4}$ x $12\frac{3}{8}$ " and adjust end-wise so that fence opening can be varied in direct relation to the cutter size for safer operation. Entire fence assembly can be easily removed for free-hand shaping.



Conveniently Grouped Controls. The spindle adjusting hand wheel, spindle lock, height adjustment scale and starting switch all are grouped at the front of the machine within easy reach of the operator from his normal working position.

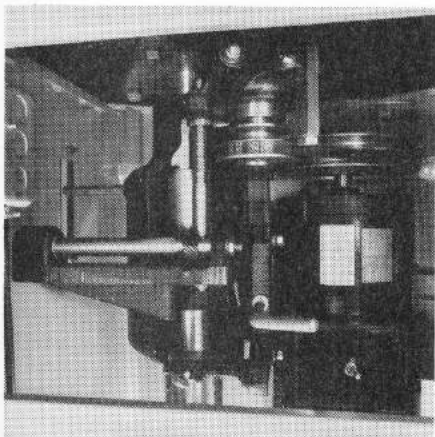


Interchangeable Spindles. $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" standard spindles; a $\frac{1}{2}$ " stub spindle for cope cutters and an extra-long $\frac{3}{4}$ " spindle with $4\frac{3}{8}$ " capacity under the nut, are readily interchangeable to permit use of a wide variety of shaper cutters. Table opening size can be varied, as needed, by removing special table insert rings.



Access Door. Steel, hinged cabinet door provides easy access to drive mechanism for speed and spindle changes.

Delta Two-Speed Heavy Duty Wood Shaper Features



Unitized Drive Mechanism. The spindle, housing, motor, raising and lowering mechanism are a single self-contained unit, securely assembled to the under side of the table for absolute 90° spindle-to-table alignment.

Delta Wood Shaper

Advanced Technology for Superior Shaping.

The new Delta Wood Shaper introduces revolutionary new features to the art of profile shaping. The result is a tool that defines accuracy, safety and convenience in a shaper.

The new Delta Wood Shaper features a patent-pending fence that incorporates individual sliding "fingers" that can be positioned to conform to the shape of the cutter — eliminating the need to cope auxiliary fences. The individual fence halves and the entire fence system are adjustable for a total 2" forward movement. The end result is a set up for totally supported work and accurate shaping. The unique double-ended spindle adds to the overall accuracy level. Solid ball bearing design produces virtually vibration-free spindle rotation for a clean cut. The innovative elevation handwheel located at table level simplifies spindle height adjustment.

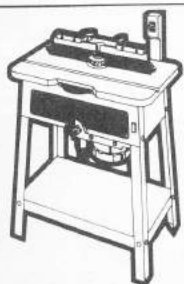
Other features include the rectangular shaped cast iron table for superior work support. A powerful 1½ HP single phase motor has an integral reversing switch for feed preference for running horizontal panel raisers and other large cutters. The flat belt drive provides efficient power transmission while offering two spindle speed options (7,000 and 10,000 rpm) for turning different diameter cutters most effectively.

To appreciate the advanced features listed above and the other advancements incorporated in the Delta Wood Shaper, refer to the detailed listing on the opposite page. To really experience the difference this new technology offers serious craftsmen, cabinet shops, schools and professional job shops — see it in action at your local Delta dealer.



No. 43-355

Catalog Listing



No. 43-355 Wood Shaper. Includes basic 2-speed machine with 1½ HP single phase motor with integral reversing switch, sectional adjustable fence, solid double ended (½" and ¾") spindle, concentric table inserts, safety guard, on-off toggle switch, stand, cutter changing wrench, 115V power cord with grounding type plug and instruction manual.

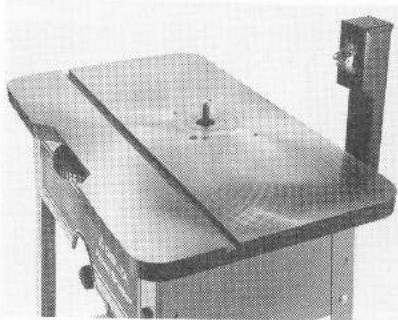
Machine Data:

Motor . . . 1½ HP, 115/230V, single phase
Spindle . . . Solid cast iron
Diameters . . . ½" (12.7 mm) and ¾" (19.05 mm)
Travel . . . 2" (50.8 mm)
Spindle capacity under nut:
½" . . . 2½" (63.5 mm)
¾" . . . 3¼" (82.6 mm)

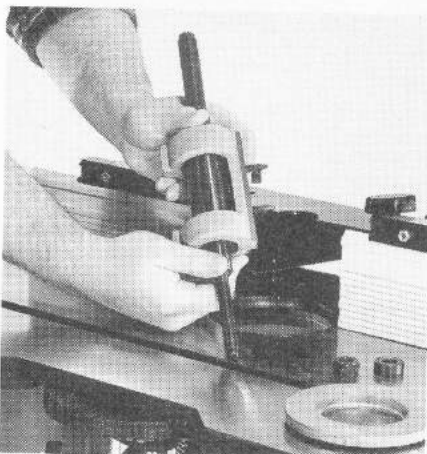
Spindle speed rotates forward and reverse . . . 7,000 and 10,000 rpm
Table . . . Cast iron
Size . . . 18 x 30" (457.2 x 762.0 mm)
Slot . . . ¾ x ¾" (9.5 x 19.05 mm)
Height . . . 34" (863.6 mm)
Insert opening diameters 1⅜, 3½, and 5" (34.9, 88.9 and 127.0 mm)

Fence . . . Sectional fiberglass reinforced composite with 9 adjustable ¼" "fingers"
Size each side: 10 x 4" (254.0 x 101.6 mm)
Each half adjusts . . 1" (25.4 mm) forward
Fence system adjusts 1" (25.4 mm) forward
Overall Dimensions:
Width . . . 30" (762.0 mm)
Depth . . . 23" (584.2 mm)
Height . . . 39" (990.6 mm)
Weight . . . 180 lbs. (81.8 kg)

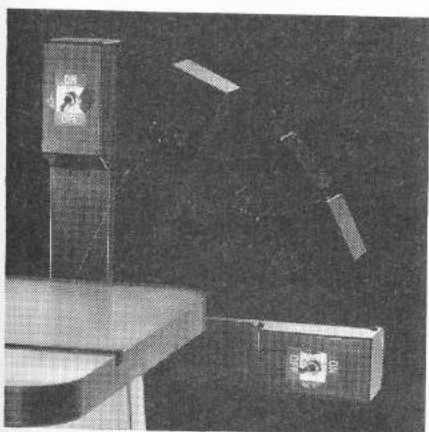
Delta Quality Wood Shaper Features



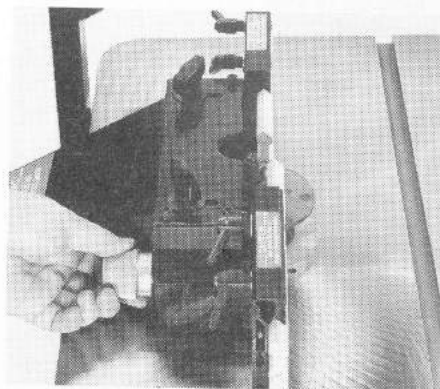
Large 18 x 30" rectangular cast iron table provides greater work support than conventional square tables. Slotted for use with miter gage, tenoner, jigs and other accessories. Concentric inserts accommodate most cutters including 3 3/4" dia. router bit panel raisers.



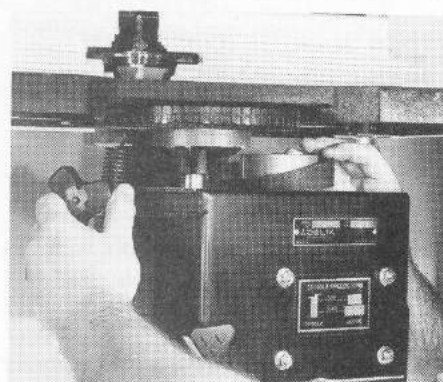
Solid double-ended spindle for using 1/2" and 3/4" bore cutters assures less vibration and runout for safer operation. Ball bearing spindle is lubricated-for-life to resist wear. Accessory router bit/stub spindle doubles the number of shaping and routing operations that can be performed.



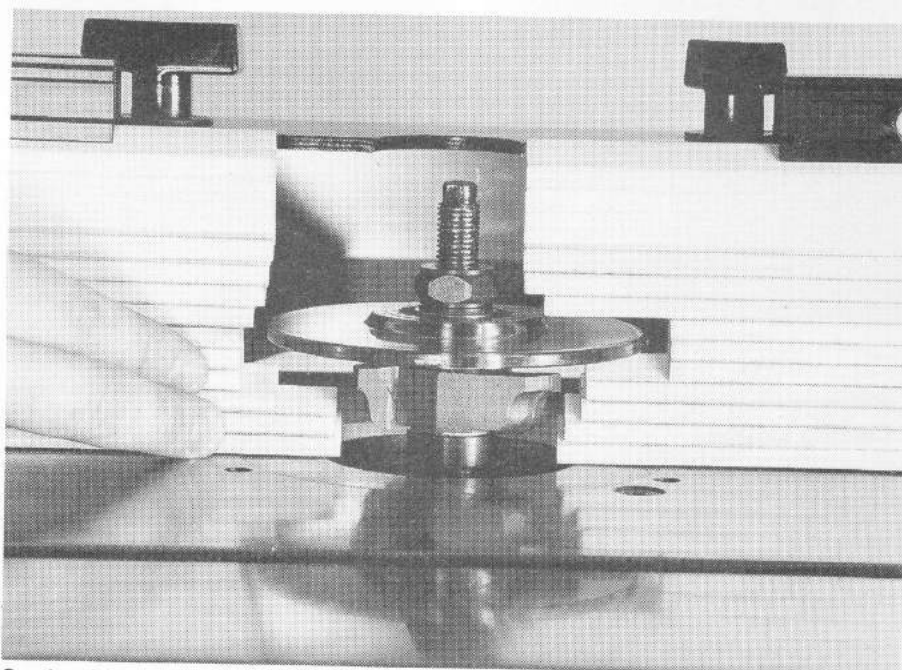
On-off toggle switch is mounted on an extension arm above the table for easier and safer access. The extension arm will swing below table surface to accommodate large free-hand shaping operations. Toggle bracket for locking switch to prevent unauthorized use.



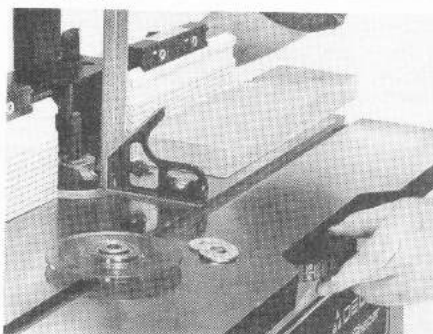
Independent fence halves adjust for parallelism and can be moved up to 1" to provide secure after-cut fence support. Entire fence system moves 1" forward as a unit. Both adjustments facilitate precise depth-of-cut settings.



Quick speed changing feature incorporates a clutch hand knob that sets proper belt tension. Flat belt drive provides more efficient power transmission, quieter operation and less motor wear.



Sectional fence "fingers" conform to cutter and guard for improved chip removal, dust collection without hand coping an auxiliary fence. Reduced clearance enhances the cut while offering the operator greater protection from the cutter. All adjustments can be made without hand tools.



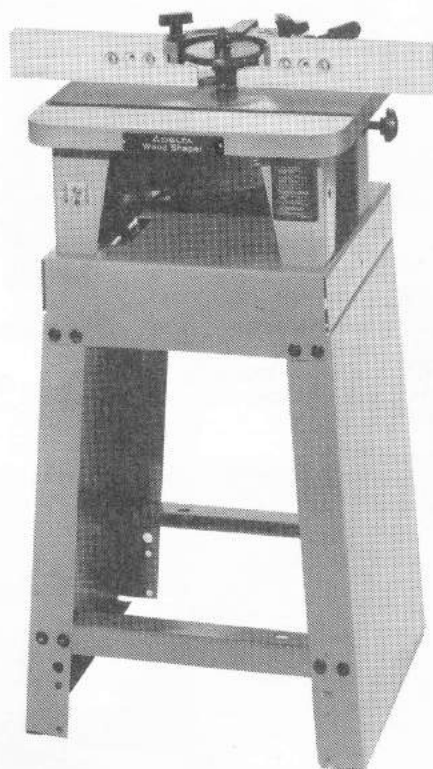
Easy access elevation handwheel allows spindle height adjustment from above table surface for easy referencing.

Fence system, solid double-ended spindle and spindle elevation handwheel are all patent-pending.

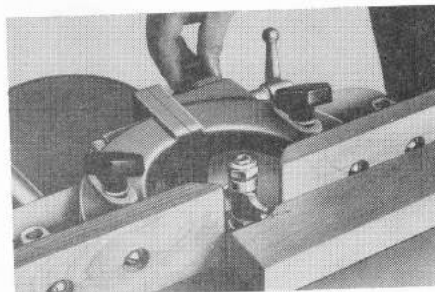
Delta Light Duty Wood Shaper

A versatile performer that's built to deliver intricate, high quality mouldings on a repetitive basis!

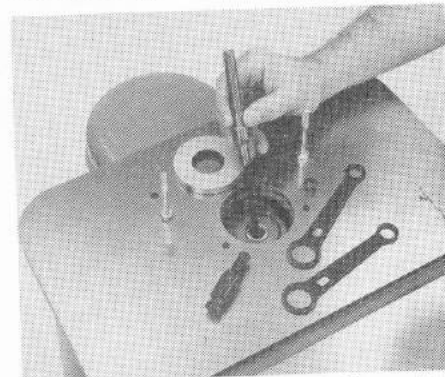
You'll be surprised at the amount of quality work you can turn out with this Delta Light Duty Wood Shaper. It offers unlimited possibilities for making mouldings on straight, internal and external, curved and irregular surfaces. Shaper cutters with 1/2" hole can be used, also cope cutters using the 1/2" stub spindle. This wide versatility, together with such quality features as the precision ground 15 1/2 x 18" table, lubricated-for-life ball bearing spindle, fully adjustable fence, and more, make this Delta shaper an unequalled value!



Light Duty Wood Shaper Features



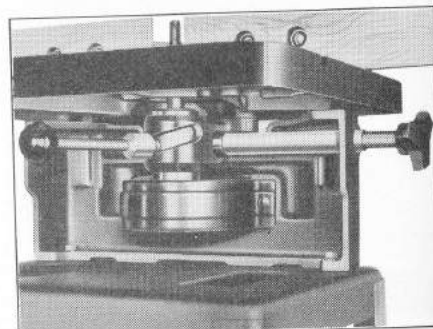
Single Knob Control insures accurate fence adjustments—both halves are independently adjustable for greater safety and convenience.



Interchangeable Spindles, including a stub spindle for cope cuts on windows and doors and a router bit spindle for routing, permit use of a wide variety of cutters.



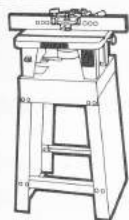
Guard Completely Covers Motor, belt and pulley for greater operator safety. Spring holddown, ring guard and other safety items available as accessories.



Convenient Spindle Control Lever under front of table facilitates height settings. Special lock handle securely holds desired setting.

Short, Rigid Spindle (not shown) with closely spaced bearings, eliminates whip, assures smooth, clean work. Requires no lubrication for life of bearings.

Catalog Listing



No. 43-120 Wood Shaper with Stand. Includes basic machine, 50-513 stand, fence, 1/2" spindle, table insert, starting pin, spindle pulley, 43-805 motor pulley (5/8" bore), 49-105 V-belt, belt and pulley guard, Safe Guard® shaper guard and wrenches. 122 lbs.

No. 43-122 Wood Shaper with Stand and 1 HP Motor. Includes 43-120 Shaper with stand plus 62-103 1 HP single phase motor with integral reversing switch, on-off toggle switch and 115 V power cord with grounding type plug. Electricals completely wired. 163 lbs.

Machine Data

Spindle:
Diameter furnished 1/2" (12.7 mm)
Diameter (accessory) 1/2" (12.7 mm) stub
Router (accessory) for mounting 1/4"
shank router bits
Travel 7/8" (22.2 mm)

Capacity (under nut):
1/2" (12.7 mm) spindle 2 3/8" (60.3 mm)

Spindle Speed
(forward and reverse,
with 3450 RPM motor) 9000 RPM

Table:
Size 15 1/2 x 18" (393.7 x 457.2 mm)
Slot 3/8 x 3/4" (9.5 x 19.05 mm)
Height 34" (863.6 mm)
Insert opening diameters 3" (76.2 mm)
and 1 1/8" (34.9 mm)

Fence Size
(each side) 2 3/4 x 11 3/8" (69.8 x 288.9 mm)

Motor Plate accommodates NEMA 56
frame motor

Overall Dimensions:
Width 25 1/2" (647.7 mm)
Depth 25 1/2" (647.7 mm)
Height:
Bench model 10 1/2" (266.7 mm)
On stand 37" (939.8 mm)



No. 43-122 is CSA certified in Canada.

Delta Wood Shaper Spindle Guard

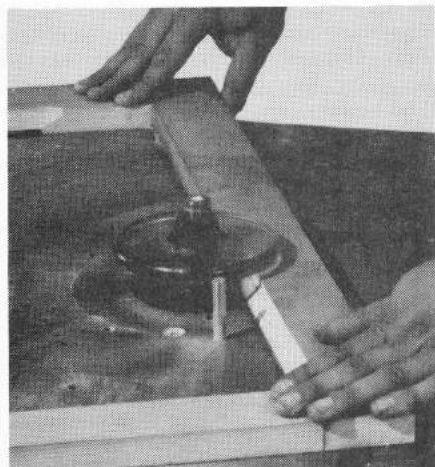
Safe Guard II™ ... the safer way to shape! For use on Wood Shapers.

Now there is a better way to do your shaping. That's by using Safe Guard II. It's the only guard that works right on the shaper spindle to make these benefits possible:

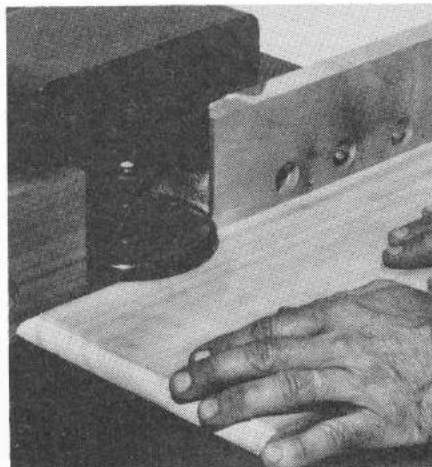
Hand Protection. Helps keep operator's hands away from revolving cutterhead.

Eye Protection. Helps protect operator's eyes from flying chips.

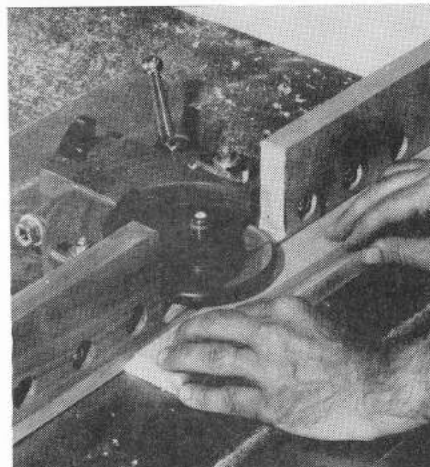
Excellent Vision. Allows operator to see work as he shapes it, making it ideal for working stock freehand.



Shaping the inside edge of a frame. By mounting Safe Guard II directly to spindle, close to top edge of cutter, greater convenience and freedom of movement are possible. Unlike ring type guards, Safe Guard II does not have to be moved away from cutter to allow operator to lower frames over the spindle. This saves valuable production time, and keeps operator's hands away from cutter.



Stock is positioned directly under the transparent guard, providing for greater operator safety.



Note how fence has been modified to firmly support the workpiece as near to the cutter as possible. By mounting transparent guard close to cutter and fence halves, there is minimum exposure of cutterhead.

Check these additional benefits

- Available in 4½" and 6½" diameters.
- Standard guards fit shapers with ¾" and 1¼" diameter spindles. Bushing and washer kits are also available to easily adapt guards to shapers with ½", 7/8", 1" and 1½" diameter spindles.
- Tough, transparent, orange-colored LEXAN® disc has a smooth, rounded edge for increased safety.
- High-speed, pre-lubricated ball bearing mounts directly on shaper spindle.
- Can be safely used on shapers with spindle speeds up to 12,000 RPM.
- Safe Guard II, as recommended, meets the requirements as set forth by the Occupational Safety and Health Administration's standards, Part 1910:213(M), Sub-Part 1, dated October 18, 1972.

Recommended use

1. Safe Guard II diameter should be at least 1" larger than maximum cutting circle of shaper cutter.
2. Adjust to height not to exceed ½" above material.
3. Recommended for vertical spindle shapers only.
4. For additional protection, always wear safety glasses.

Catalog Listing

Safe Guard II Shaper Spindle Guards

Catalog Number	Diameter	I.D. of Bearing (Supplied with Washers)	Max. Cutting Dia. of Shaper Cutter	Wt., Oz.
43-440	4½"	¾"	3½"	8
43-441	6½"	¾"	5½"	14
43-442	6½"	1¼"	5½"	15

Bushings and Washers

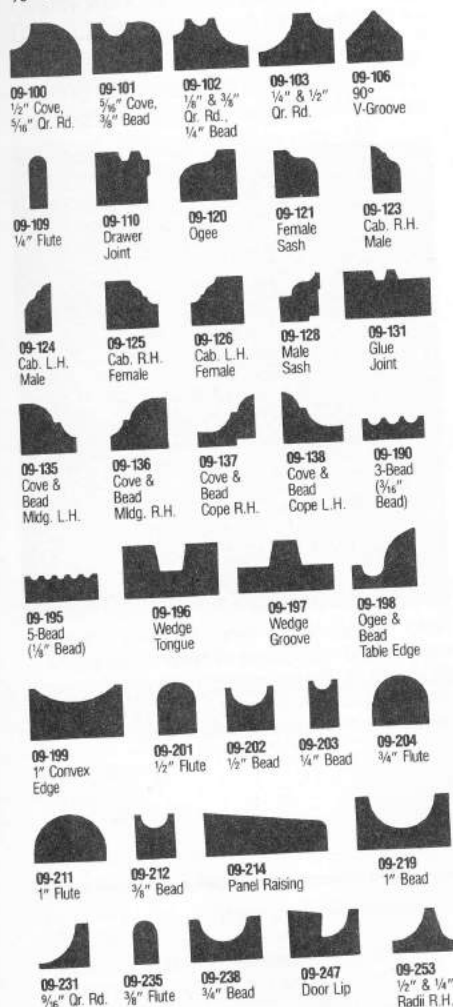
Catalog Number	I.D. of Bushing (Supplied with Washers)	Use with Safe Guard II Spindle Guard	Dia. of Spindle of Vertical Shaper	Wt., Oz.
43-555	½"	43-440 or 43-441	½"	1
43-556	7/8"	43-442	7/8"	2
43-557	1"	43-442	1"	1½
43-558	1½"	43-442	1½"	1

LEXAN® is a Registered Trademark of the General Electric Company
SAFE GUARD II is a Registered Trademark of Federal Safety Products, Inc.

Delta Router and Shaper Accessories

High-Speed Steel 3-Lip Shaper Cutters

All have 1/2" spindle hole. Involute relief design permits honing of the face without changing the shape. Cutters 09-128 and 09-137 are counterbored to fit Stub Spindle. Cutter are shown 3/8" size. 1/2 lb. each.



Straight Cutters—1/2" Hole

Number	Thickness	Dia.	Number	Thickness	Dia.
09-107	1/2"	1 7/8"	09-108	1/4"	1 5/16"
09-130	3/4"		09-127	3/8"	
09-104	1"	27/32"	09-139	1/4"	27/32"
09-105	1 1/2"		09-129	3/8"	

Collar Sets—1/2" Hole

No. 43-210 Set of 7 Collars. 1/2" hole, 3/4" to 1 1/8" diameter. Nos. 09-142, 09-143, 09-144, 09-145, 09-171, 09-172, 09-173. 1/2 lb.

No. 43-211 Set of 6 Collars. 1/2" hole, 1 3/16" to 1 1/2" diameter. Nos. 09-141, 09-146, 09-147, 09-148, 09-174, 09-175. 1 lb.

No. 43-212 Set of 6 Collars. 1/2" hole, 1 9/16" to 1 7/8" diameter. Nos. 09-149, 09-176, 09-177, 09-178, 09-179, 09-180. 1 1/2 lbs.

No. 43-191 Set of 4 Collars for Sash Cutters. 1/2" hole. Nos. 09-140, 09-141, 09-150, 09-151. 1/2 lb.

Cutter and Collar Sets—1/2" Hole

No. 43-182 Standard Cutter Set. Consists of Cutters 09-100 to 09-109 inclusive and Collars 09-142 to 09-149 inclusive. Packed in wood box. 3 1/2 lbs.

No. 43-213 Cove and Bead Cutter Set. Consists of Cutters 09-129, 09-135 to 09-139 inclusive and Collars 09-132 and 09-134. Packed with 43-345 Stub Spindle Assembly and SP-10 Wrench for H.D. Wood Shaper. 2 lbs.

No. 43-214 Sash and Cabinet Cutter Set. Consists of Cutters 09-108, 09-120, 09-121, 09-123 to 09-128 inclusive and Collars 09-140, 09-141, 09-150 and 09-151. Packed with 43-345 Stub Spindle Assembly and SP-10 Wrench for H.D. Wood Shaper. 3 lbs.

Spacing Collars—1/2", 3/4" and 1" Hole.

Cat. No. 1/2" Hole	Cat. No. 3/4" Hole	Cat. No. 1" Hole	Dia.	Thick- ness
09-133			1 3/16"	1/8"
09-150	43-250	43-310	1 3/8"	3/16"
09-155			3/4"	1/4"
09-217	43-251		1 3/32"	
09-134	43-252		1 5/32"	
09-140	43-253	43-313	1 3/16"	
09-215	43-254	43-314	1 15/32"	
09-151	43-255	43-315	1 7/8"	
09-142			3/4"	3/8"
09-171			1 3/16"	
09-143			7/8"	
09-172			1 5/16"	
09-144	43-256		1"	
09-173	43-257		1 1/16"	
09-145	43-258		1 1/8"	
09-132	43-259		1 5/32"	
09-141	43-260		1 3/16"	
09-146	43-261	43-321	1 1/4"	
09-174	43-262	43-322	1 5/16"	
09-147	43-263	43-323	1 3/8"	
09-175	43-264	43-324	1 7/16"	
09-148	43-265	43-325	1 1/2"	
09-176	43-266	43-326	1 9/16"	
09-177	43-267	43-327	1 5/8"	
09-178	43-268	43-328	1 11/16"	
09-149	43-269	43-329	1 3/4"	
09-179	43-270	43-330	1 13/16"	
09-180	43-271	43-331	1 7/8"	

Collar Sets—3/4" and 1" Hole

No. 43-248 Set of 6 Collars. 3/4" hole, 1 3/16" to 1 1/2" diameter. Nos. 43-260, 43-261, 43-262, 43-263, 43-264, 43-265.

No. 43-249 Set of 6 Collars. 3/4" hole, 1 9/16" to 1 7/8" diameter. Nos. 43-266, 43-267, 43-268, 43-269, 43-270, 43-271.

No. 43-308 Set of 5 Collars. 1" hole, 1 1/4" to 1 1/2" diameter. Nos. 43-321, 43-322, 43-323, 43-324, 43-325.

No. 43-309 Set of 6 Collars. 1" hole, 1 9/16" to 1 7/8" diameter. Nos. 43-326, 43-327, 43-328, 43-329, 43-330, 43-331.

For 5-Speed Wood Shaper

No. 43-783 3/4" Spindle with spacing collars and nuts. 9 1/2 lbs.

No. 43-784 7/8" Spindle with spacing collars and nuts. 9 3/4 lbs.

No. 43-785 1" Spindle with spacing collars and nuts. 10 lbs.

No. 43-786 1 1/8" Spindle with spacing collars and nuts. 10 1/4 lbs.

No. 43-787 1 1/4" Spindle with spacing collars and nuts. 10 1/2 lbs.

No. 43-788 1 1/2" Spindle with spacing collars and nuts. 11 lbs.

No. 43-789 Routing Chuck with collet set in sizes of 1/4", 3/8" and 1/2". 7 lbs.

For Heavy and Light Duty Wood Shapers and 43-355 Wood Shaper

3-Knife Safety Cutterhead

Enables circular saw moulding cutter knives to be used on the wood shaper.



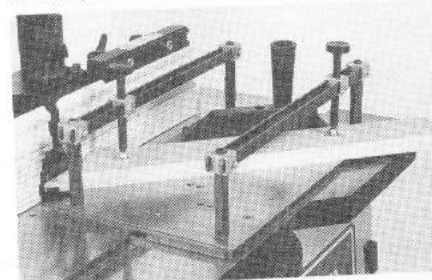
No. 43-344 Cutterhead. Includes wrench and bushing for use with 1/2" and 3/4" shaper spindles. Furnished without knives. 1 lb.

For actual size and shape of cutters, see Circular Saw Accessories.

No. 34-895 Auto-Set® Miter Gage. For straight and angle finishing. Has 3/8" x 3/4" x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions. Accommodates No. 34-568 Clamp Attachment. 3 1/2 lbs.

No. 34-568 Clamp Attachment for miter gage. Holds work evenly and safely when edge shaping with miter gage. Includes clamp bar, two sliding clamp screws, front and rear posts. 1 1/2 lbs.

No. 34-873 Extra Clamp Screw and Bracket for clamp attachment. 1/2 lb.

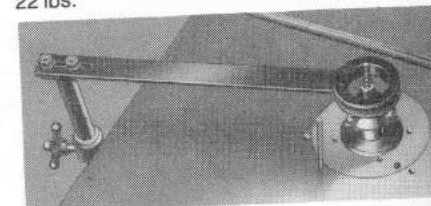


No. 43-186 Sliding Shaper Jig. For horizontal shaping operations such as tenon and groove cutting. Securely holds short and narrow work, prevents slipping. 15 lbs.

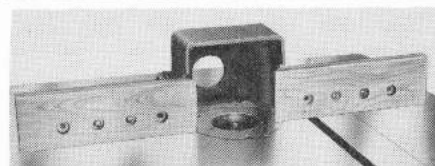
No. 43-170 Tenoner. Use with 43-186 Shaper Jig Base. Simplifies vertical operations as in-face shaping and drawer construction. 19 lbs.

For Heavy Duty Wood Shaper

No. 50-273 Mobile Base. For H.D. Shaper. 22 lbs.



No. 43-348 Safety Ring Guard. For added safety and convenience on curved and circular edge shaping operations. Complete with mounting bracket. 9 lbs.



No. 43-830 Fence Guard Assembly. Heavy cast iron construction. Fence halves adjust independently. Has access opening for hookup to dust collection system. Standard equipment with unit.

No. 43-829 Flange, 2½" diameter for attaching to 43-830 Fence Guard Assembly for dust collection.

No. 43-347 ½" Spindle. Included with basic machine. For 3-lip shaper cutters with ½" hole. 1 lb.

No. 43-345 ½" Stub Spindle. For cope cutters with ½" hole. 1 lb.

No. 43-937 ¾" Spindle. Included with basic machine. For use with cutterheads with ¾" hole. ¾ lb.

No. 43-824 Router Spindle. Accepts ¼" and ½" shank router bits. ¾ lb.

No. 43-821 Extra Long ¾" Spindle Cartridge Assembly with 2-speed spindle pulley for clockwise or counter-clockwise rotation. Provides 4⅜" capacity under nut. For use with wide cutters for fluting and reeding.

No. 43-822 1" Spindle Cartridge Assembly with spacing collars and 2-speed spindle pulley for use with 1" hole cutters. For clockwise or counter-clockwise rotation.

No. 43-823 Set of 4 Spacing Collars. 1" hole—two ½" thick and two 1" thick. 1 lb.

Speed Conversion Parts

Motor and spindle pulleys for converting Heavy Duty Shaper from single to two-speed model.

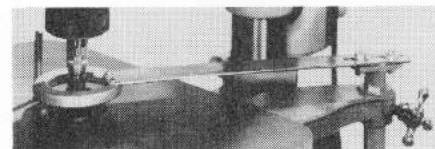
No. 41-105 Motor Pulley. Two-speed. ¾" bore.

No. 41-106 Motor Pulley. Two-speed. 7/8" bore.

No. 41-107 Spindle Pulley. Two-speed. Fits drive spindle of both single and two-speed Heavy Duty Wood Shapers.

No. 49-101 V-Belt. 29⅛" O.C. ½lb.

For Light Duty Wood Shaper



No. 43-817 Ring Guard. Provides added safety and convenience on curved and circular work. Complete with mounting bracket. 6½ lbs.

No. 43-354 Shaper Fence. Especially suited for use with small cutters. With two 3¾ x 12⅜" fence halves that adjust independently for precise depth-of-cut settings, also adjust end-wise so that fence opening can be varied in direct relation to cutter size. 12 lbs.

No. 43-198 Table Insert. With guide shoulders. For shaping with template without the use of collars. Set of two—2⅜" and 1⅝" dia. 1½ lbs.

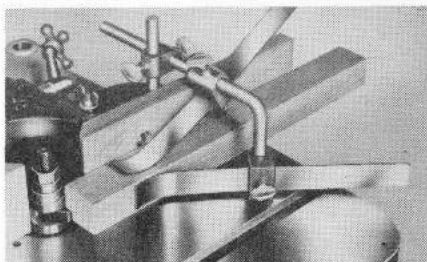
No. 50-274 Mobile Base. For L.D. Shaper. 25 lbs.

No. 43-190 Stub Spindle. For counterbored ½" hole 3-lip shaper cutters 09-128 and 09-137. 1 lb.

No. 43-935 ½" Spindle. Included with basic machine. For ½" hole 3-lip shaper cutters. 1 lb.

No. 43-185 Router Spindle for mounting ¼" shank router bits. 1 lb.

For Heavy and Light Duty Wood Shapers



No. 43-983 Spring Hold Downs. Used with shaper fence on straight shaping operations. Holds work firmly against fence and table. Accommodates work up to 3½" thick, any length. 2 lbs.

For 43-355 Wood Shaper

No. 43-358 Spring Hold Down Attachment. Used with shaper fence on straight shaping operations. Holds work firmly against fence and table. Accommodates stock up to 3" thick; any length.

No. 43-359 Ring Guard. For added safety and convenience on curved and circular edge shaping operations. Complete with mounting hardware.

No. 43-357 Double-Ended Router/Stub Spindle. Used to mount both ½" hole counterbored shaper cutters and ½" shank router bits to 43-355 Wood Shaper.

No. 50-275 Mobile Base. For 43-355 Wood Shaper. 45 lbs.

For RU-50 Router

No. 43-567 ½" Spindle and Nut for mounting 3-lip shaper cutters and other accessories.

No. 43-569 Collet Chuck. Includes ¼" and ½" collets and threaded nut.

For Inverted Pin Router

No. 43-281 High-Speed Steel ⅝" Router Bit. Spiral up. Single flute. With ½" diameter shank.

No. 43-282 High-Speed Steel ⅝" Router Bit. Spiral up. Single flute. With ½" diameter shank.

No. 43-283 Carbide-Tipped ⅝" Router Bit. Straight. Double flute. With ½" diameter shank.

No. 43-284 Solid Carbide 7/16" Router Bit. Spiral up. Single flute. With ½" diameter shank.

No. 43-279 Venturi Vacuum Clamp. Includes air converter, hose and mounting hardware.

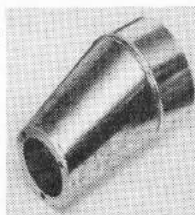
Dust Collector Connectors

No. 50-212 43-355 Shaper Connector. Attaches to dust chute of shaper fence. 5" dia. outlet.

No. 50-234 H.D. Shaper Connector. Attaches to fence guard assembly of shaper. 5" dia. outlet.

No. 50-246 RS-15 Shaper Connector Kit. Includes fence and backside exhaust chute connectors, two 3" dia. x 14" hose, clamps and 3" x 3" x 5" Y-connector.

For adapters and quick-disconnects, see Dust Collectors.



Delta Carbide-Tipped Shaper Cutters and Sets



Gives you all the obvious advantages you expect and more:

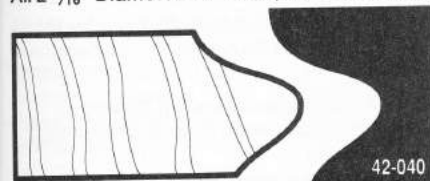
- High quality carbide tips for longer cutting tool life
- Computer aided cutting to assure optimum cutting performance
- High tech CNC manufacturing equipment for precisely ground profiles; minimal tolerance variations between cutters
- Advanced optical comparators to guarantee geometric precision in manufacturing process
- Protective permanent packaging to lessen the chance of accidental breakage in shipping or storage
- Broad selection of cutters featuring most all popular patterns to maximize the usefulness of your shaper.

And, if you can't find the cutter profile you need, Delta can make up a custom cutter for you, under their new Delta Custom Made Cutter Program. See your dealer for details.

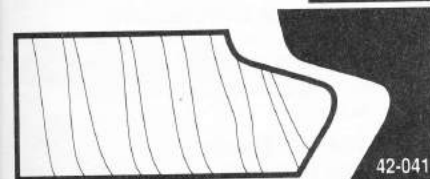
Delta Router and Shaper Accessories (continued)

Door Edge Detail

All 2 $\frac{1}{16}$ " Diameter. $\frac{3}{4}$ " Bore, $\frac{1}{2}$ " T-Bushing.



42-040



42-041



42-042



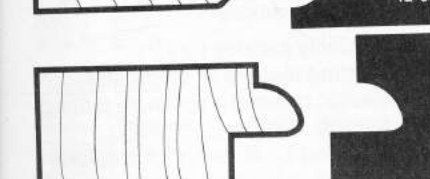
42-043



42-044



42-045



42-046

Flute or Half Round Convex

All 2 $\frac{1}{16}$ " Diameter. $\frac{3}{4}$ " Bore, $\frac{1}{2}$ " T-Bushing.



42-073

Width	Cat. No.	Width	Cat. No.
$\frac{1}{4}$ "	42-070	$\frac{1}{2}$ "	42-072
$\frac{3}{8}$ "	42-071	$\frac{3}{4}$ "	42-073
		1"	42-074

Bead or Half Round Concave

All 2 $\frac{1}{16}$ " Diameter. $\frac{3}{4}$ " Bore, $\frac{1}{2}$ " T-Bushing.

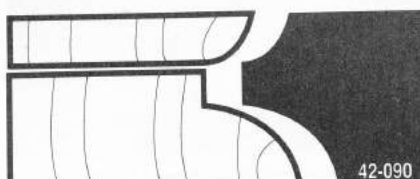


42-038

Width	Cat. No.	Width	Cat. No.
$\frac{1}{4}$ "	42-035	$\frac{1}{2}$ "	42-037
$\frac{3}{8}$ "	42-036	$\frac{3}{4}$ "	42-038
		1"	42-039

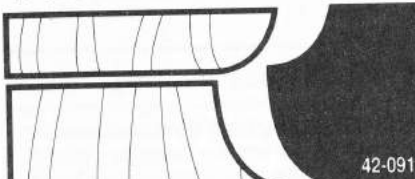
Corner Round

All 2 $\frac{1}{16}$ " Diameter. $\frac{3}{4}$ " Bore, $\frac{1}{2}$ " T-Bushing.



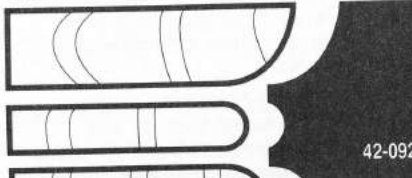
42-090

$\frac{1}{4}$ " and $\frac{1}{2}$ " Quarter Round



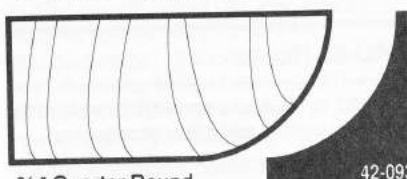
42-091

$\frac{5}{16}$ " Quarter Round and $\frac{1}{2}$ " Cove



42-092

$\frac{1}{8}$ " and $\frac{3}{8}$ " Quarter Round and $\frac{1}{4}$ " Bead

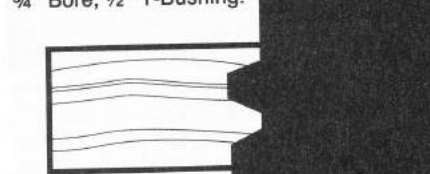


$\frac{3}{4}$ " Quarter Round

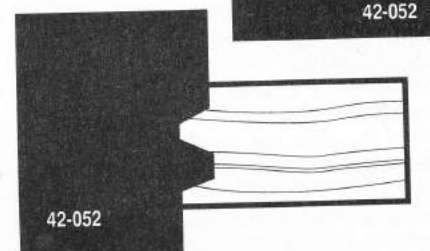
42-093

Glue Joint

For Cutting $\frac{1}{2}$ " to $1\frac{1}{4}$ " Material. 2 $\frac{1}{16}$ " Dia. $\frac{3}{4}$ " Bore, $\frac{1}{2}$ " T-Bushing.



42-052



42-052

Wedge Tongue and Groove

2 $\frac{1}{16}$ " Diameter. $\frac{3}{4}$ " Bore, $\frac{1}{2}$ " T-Bushing.



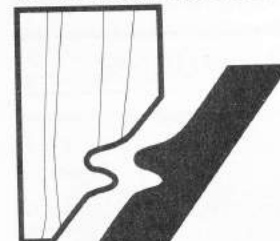
42-053



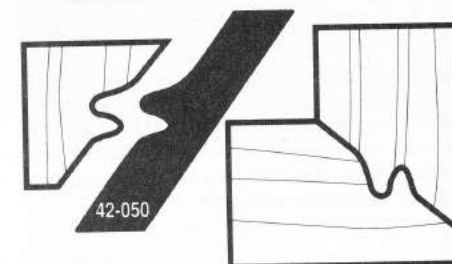
42-054

Lock Miter Double Tongue and Groove

For cutting up to $1\frac{1}{8}$ " material. 4" Diameter. $\frac{3}{4}$ " Bore. Counterclockwise Rotation Only.



42-050

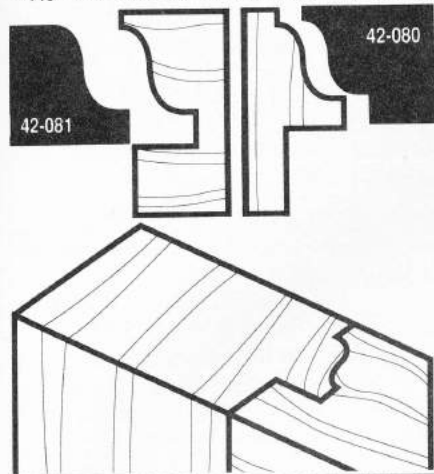


42-050

Delta Router and Shaper Accessories (continued)

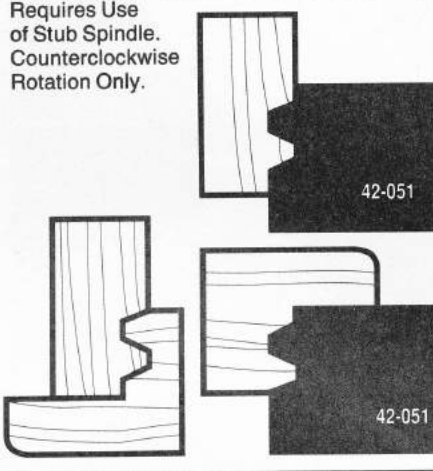
Male and Female Sash

2¹⁵/₁₆" Diameter. 3/4" Bore with 1/2" T-Bushing.



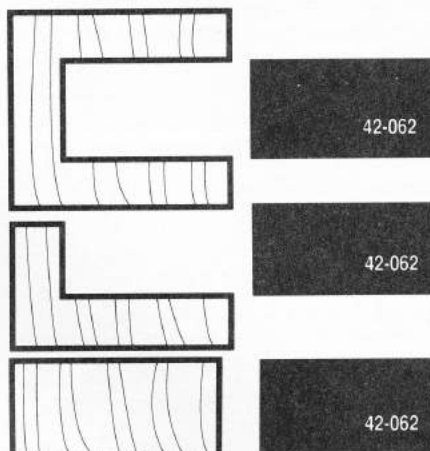
Drawer Joint

All 2¹⁵/₁₆" Diameter. 3/4" Bore, 1/2" T-Bushing. Requires Use of Stub Spindle. Counterclockwise Rotation Only.



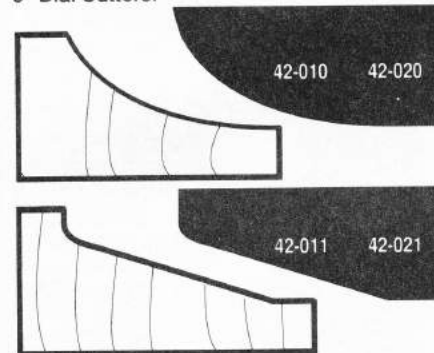
Straight

All 3/4" Bore with 1/2" T-Bushing unless otherwise noted.



Horizontal Panel Raising

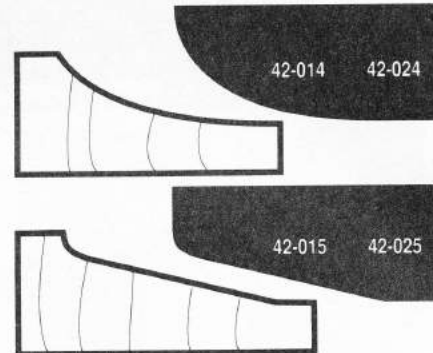
For Cutting 3/4" Material. With 15° Shear for Optimum Cutting Both With and Across the Grain. Use 42-120 Rub Bearing with 4 1/2" Dia. Cutters and 42-121 Rub Bearing with 6" Dia. Cutters.



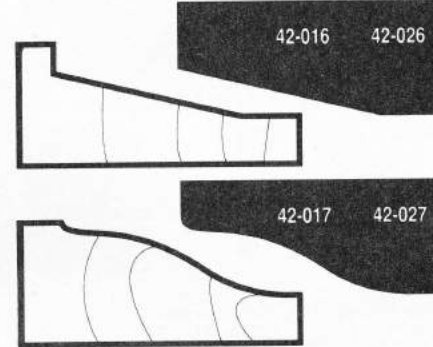
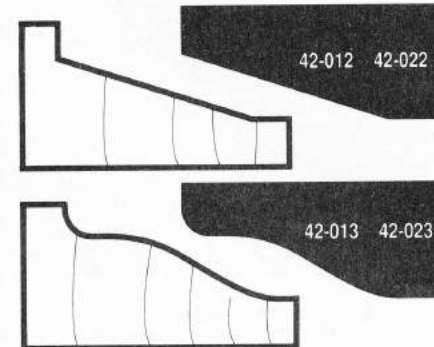
Face Cut	Dia.	Bore	Cat. No.
Convex	4 1/2"	3/4" with 1/2" T-Bushing	42-010
	6"	1 1/4"	42-020
Rd. Nose 17° Bevel	4 1/2"	3/4" with 1/2" T-Bushing	42-011
	6"	1 1/4"	42-021

Horizontal Panel Raising

For Cutting 5/8" Material. With 15° Shear for Optimum Cutting Both With and Across the Grain. Use 42-120 Rub Bearing with 4 1/2" Dia. Cutters and 42-121 Rub Bearing with 6" Dia. Cutters.



Face Cut	Dia.	Bore	Cat. No.
Convex	4 1/2"	3/4" with 1/2" T-Bushing	42-014
	6"	1 1/4"	42-024
Rd. Nose 17° Bevel	4 1/2"	3/4" with 1/2" T-Bushing	42-015
	6"	1 1/4"	42-025



Face Cut	Dia.	Bore	Cat. No.
Sq. Nose 18° Bevel	4 1/2"	3/4" with 1/2" T-Bushing	42-012
	6"	1 1/4"	42-022
Rd. Nose S-Cut	4 1/2"	3/4" with 1/2" T-Bushing	42-013
	6"	1 1/4"	42-023

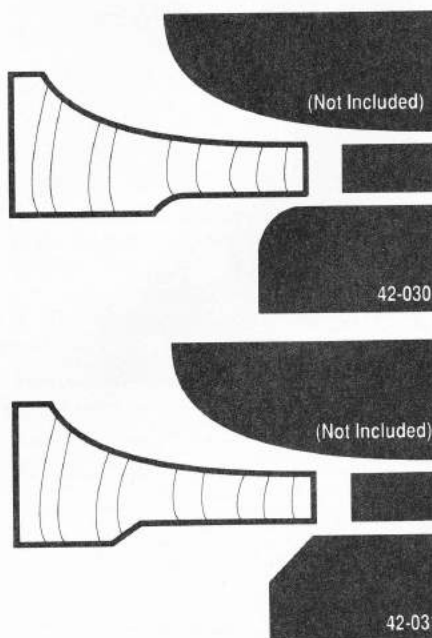
Face Cut	Dia.	Bore	Cat. No.
Convex	4 1/2"	3/4" with 1/2" T-Bushing	42-016
	6"	1 1/4"	42-026
Rd. Nose 18° Bevel	4 1/2"	3/4" with 1/2" T-Bushing	42-017
	6"	1 1/4"	42-027

Width	Dia.	Cat. No.	Width	Dia.	Cat. No.
1/4"	1 11/16"	42-104*	3/4"	2 15/16"	42-063
	2 3/16"	42-108*	1"	2 15/16"	42-064
	2 15/16"	42-060	1 1/2"	2 15/16"	42-065
3/8"	2 15/16"	42-061			
1/2"	1 11/16"	42-105*			
	2 3/16"	42-109*			
	2 15/16"	42-062			

*Not Supplied with 1/2" T-Bushing.

Horizontal Panel Raising / Back Cutters

With 15° for Optimum Cutting Both with and Across the Grain. Includes 1/4" Tongue Spacer. For Use with 4 1/2" Dia. Horizontal Panel Raising Cutters to Cut 3/4" Material. 3 3/8" Diameter. 3/4" Bore with 1/2" T-Bushing.



Delta Router and Shaper Accessories (continued)

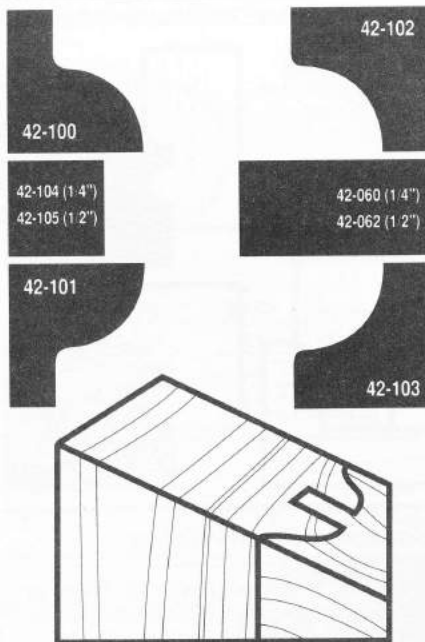
Double Sided 8-Cutter Cope and Pattern Set

Includes 1/4" and 1/2" Wide x 5/8" Tongue and Groove Cutters. All 2 15/16" Diameter Unless Otherwise Noted. 3/4" Bore. For use with 42-122 Rub Bearing. For Cutting 1 3/8" Passage Doors and 1 3/4" Entry Doors.

Cat. No. 42-000 Set Includes

Cat. No.	Description
42-100	Rail for Concave Stile
42-101	Rail to Concave Stile
42-102	Concave Stile (2 11/16" Dia.)
42-103	Concave Stile (2 11/16" Dia.)
42-104	1/4" x 1 11/16" Dia. Straight (Tongue)
42-105	1/2" x 1 11/16" Dia. Straight (Tongue)
42-060	1/4" x 2 15/16" Dia. Straight (Groove)
42-062	1/2" x 2 15/16" Dia. Straight (Groove)

Cutters Available Separately.



Ball Bearing Rub Collars

For Use with Carbide-Tipped Cope and Pattern Cutter Sets and Horizontal Panel Raising Cutters.

Cat. No.	Diameter	Bore	Use with Cutter and/or Sets
42-120	1 5/8"	3/4"	42-010 to 42-017; 42-030 and 42-031
42-121	3"	1 1/4"	42-020 to 42-027
42-122	1 11/16"	3/4"	42-000
42-124	2 1/8"	3/4"	42-001 to 42-003

T-Bushings

Set of two. For changing Bore Diameters on Individual Carbide-Tipped Cutters and Cutter Sets.

Cat. No.	Bore Change	Use With
42-125	1 1/4" to 1"	Single Cutters
42-126	3/4" to 1/2"	3 to 6 Piece Cutter Sets*
42-127	3/4" to 1/2"	Single Cutters

*Includes 1 Long and 1 Short T-Bushing

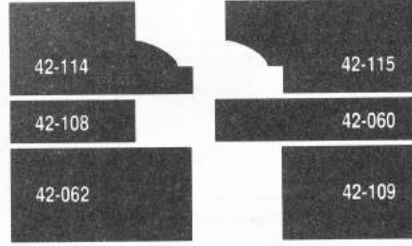
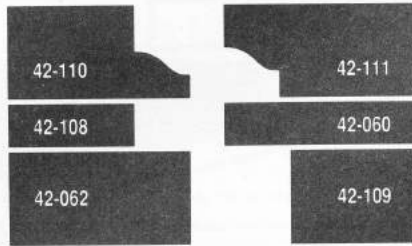
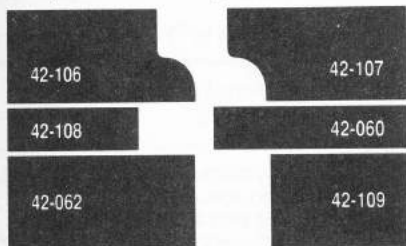
6 Cutter Cope & Pattern Sets

Includes 1/4" Wide x 3/8" Tongue and Groove Cutters. All 2 15/16" Diameter Unless Otherwise Noted. 3/4" Bore with 1/2" T-Bushing. For Use with 42-124 Rub Bearing. Cutters available separately.

For Cope and Pattern Cutting 3/4" to 1-1/8" Material

For Cope and Pattern Cutting 3/4" to 1-1/8" Material

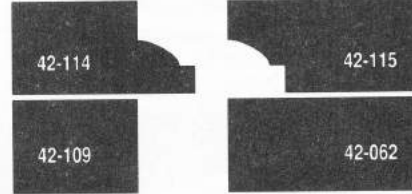
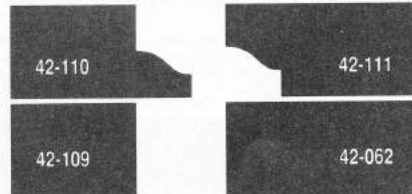
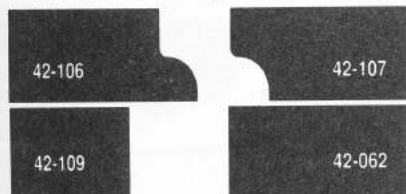
For Cope and Pattern Cutting 3/4" to 1-1/8" Material



For Glass Panel Cutting 3/4" to 1" Material

For Glass Panel Cutting 3/4" to 1" Material

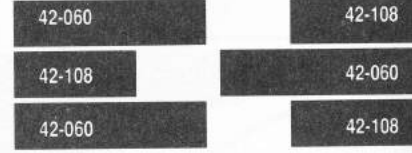
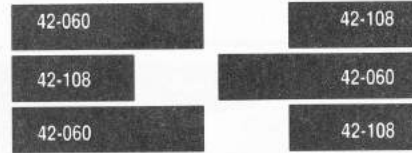
For Glass Panel Cutting 3/4" to 1" Material



For Tongue and Groove Cutting 3/4" Material

For Tongue and Groove Cutting 3/4" Material

For Tongue and Groove Cutting 3/4" Material



Cat. No. 42-001 Set Includes

Cat. No.	Description
42-106	Rail for Concave Stile
42-107	Concave Stile (2 11/16" Dia.)
42-108	1/4" x 2 3/16" Dia. Straight (Tongue)
42-109	1/2" x 2 3/16" Dia. Straight (Tongue)
42-060	1/4" x 2 15/16" Dia. Straight (Groove)
42-062	1/2" x 2 15/16" Dia. Straight (Groove)

Cat. No. 42-002 Set Includes

Cat. No.	Description
42-110	Rail for Ogee Stile
42-111	Ogee Stile
42-108	1/4" x 2 3/16" Dia. Straight (Tongue)
42-109	1/2" x 2 3/16" Dia. Straight (Tongue)
42-060	1/4" x 2 15/16" Dia. Straight (Groove)
42-062	1/2" x 2 15/16" Dia. Straight (Groove)

Cat. No. 42-003 Set Includes

Cat. No.	Description
42-114	Rail for Ovolo Stile
42-115	Ovolo Stile
42-108	1/4" x 2 3/16" Dia. Straight (Tongue)
42-109	1/2" x 2 3/16" Dia. Straight (Tongue)
42-060	1/4" x 2 15/16" Dia. Straight (Groove)
42-062	1/2" x 2 15/16" Dia. Straight (Groove)

Delta Production Stock Feeders

Feed stock smoothly, accurately, at speeds desired, to save valuable production time. Take the work out of sawing, shaping and jointing.



Delta Production Stock Feeders

Feed stock smoothly, accurately, at speeds desired, to save valuable production time!

Now, you can do sawing, shaping and other operations faster, better and at lower cost. That's because Delta Stock Feeders take the guess-work out of manual feeding. Stock is fed smoothly, accurately and consistently. This means you can rip and shape more wood with a lot less effort.

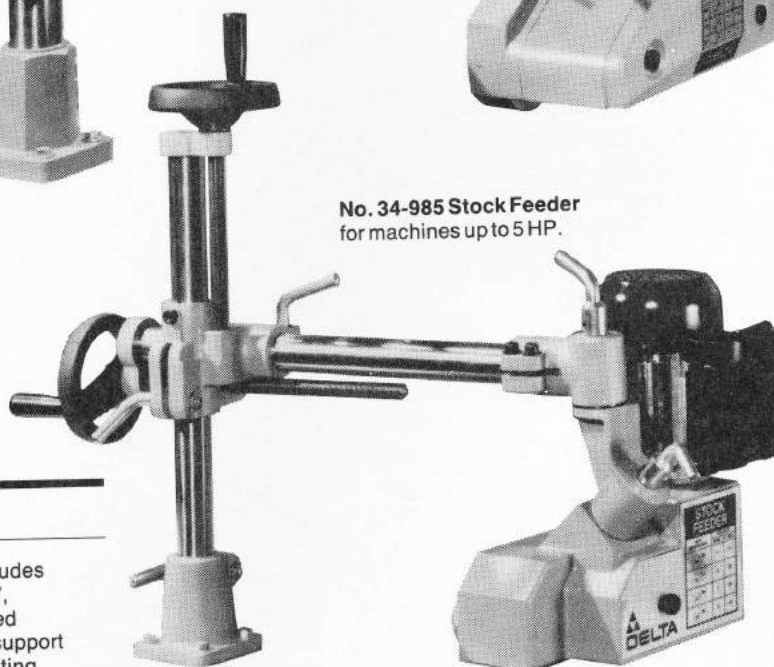
Since the need for hands and fingers to be near the cutting tool is eliminated, you work safer. And because the rollers hold the stock in place, kickback possibilities are practically eliminated.

Delta Stock Feeders are reliable. They're built for long, trouble-free performance. Except for periodic lubrication, they are maintenance free.

Delta Stock Feeders are exceptionally versatile, too. They can be mounted vertically, horizontally or at any angle to suit the operation. And set-ups are fast and easy.

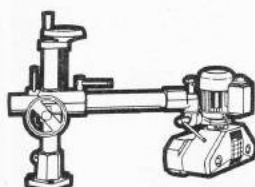


No. 34-995 Stock Feeder
for machines above 5 HP.

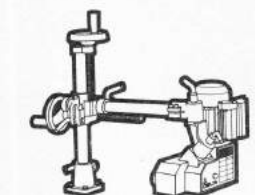


No. 34-985 Stock Feeder
for machines up to 5 HP.

Catalog Listing



No. 34-995 Stock Feeder. Includes basic machine; 3/4/1 HP, 230 V, 3 phase motor; three rubber feed rollers; vertical and horizontal support stands; universal joints; lubricating gun and set of wrenches.



No. 34-994 Stock Feeder. Same as 34-995 except for 230V, single phase operation. Power cord and plug supplied.

No. 34-985 Stock Feeder. Includes basic machine; 1/2 HP, 115 V, 1 phase motor; three rubber feed rollers; vertical and horizontal support stands; universal joints; additional set of speed changing gears; lubricating gun and set of wrenches.

Accessories

Keep an extra Support Stand and/or Mounting Base on hand. It will save valuable production time by eliminating disassembly on the standard equipment stand and/or mounting base when moving stock feeder from one machine to another.

No. 34-996 Support Stand for No. 34-995 Stock Feeder. Includes mounting base, vertical and horizontal support columns, universal joints and adjustable wheels. 79 3/8 lbs.

No. 34-990 Mounting Base Only for No. 34-995 Stock Feeder.

No. 34-986 Support Stand for No. 34-985 Stock Feeder. Includes same equipment as No. 34-996 Stand. 30 7/8 lbs.

No. 34-989 Mounting Base Only for No. 34-985 Stock Feeder.

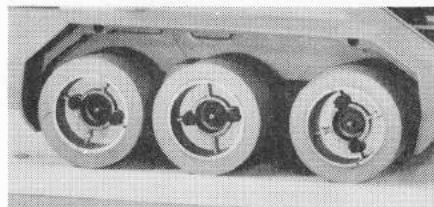
Machine Data

Models	No. 34-995/34-994	No. 34-985
Motors	3/4/1 HP, 230V, 60 Hz, 3 phase; .6/8 HP, 230V, 60 Hz, 1 phase	1/2 HP, 115V, 60 Hz, 1 phase
Speeds (forward and reverse)	13, 26, 36, 72 FPM (3.9, 7.9, 10.9, 21.9 M/min.)	14, 27, 32, 63 FPM (4, 8, 10, 19 M/min.)
Range of Adjustment:		
Vertical	7 3/4" (196.8 mm)	6 3/8" (161.9 mm)
Horizontal	18 3/8" (466.7 mm)	11 1/4" (285.7 mm)
Min. Length of Unbutted Stock	6" (152.4 mm)	4 1/2" (114.3 mm)
Wheels:		
Diameter	4 11/16" (119 mm)	3 1/8" (79.3 mm)
Width	2 5/16" (58.7 mm)	1 1/16" (26.9 mm)
Overall Dimensions: (Feeder only)		
Height	18 1/4" (463.5 mm)	13" (330.2 mm)
Width	17 3/4" (450.8 mm)	12" (304.8 mm)
Depth	9 7/8" (250.8 mm)	7 1/4" (181.1 mm)
Shipping Weight: (entire assembly)		
No. 34-995	136 5/8 lbs. (62 Kg.)	—
No. 34-985	—	57 1/4 lbs. (26 Kg.)

Quality Features



Fully Adjustable Support Columns. Feeders come equipped with sturdy vertical and horizontal support columns and universal joints with "T" or "L" locking mechanism for angle positioning. Vertical and horizontal adjustments are easily made using handwheels with Acme screw. Horizontal adjustment on Model 34-995 is by handwheel and rack and pinion mechanism. On Model 34-995, vertical adjustment is 7 $\frac{3}{4}$ ", whereas horizontal adjustment is a full 18 $\frac{3}{8}$ ", adequate for all types of stock feeding. On Model 34-985, vertical adjustment is 6 $\frac{3}{8}$ " and horizontal adjustment is 11 $\frac{1}{4}$ ". Four bolts firmly secure vertical support arm to table surface.



Sure-Grip Feed Rollers. Abrasion resistant, rubber feed rollers operate freely on needle bearings. Chain and sprocket driven rollers are spring-loaded to insure smooth feeding, even when stock varies in thickness.

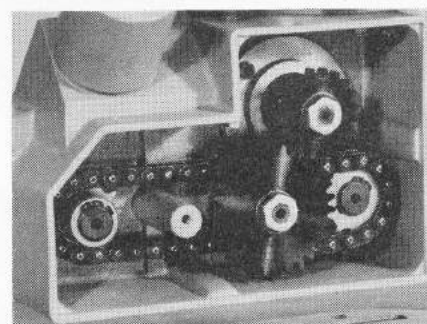
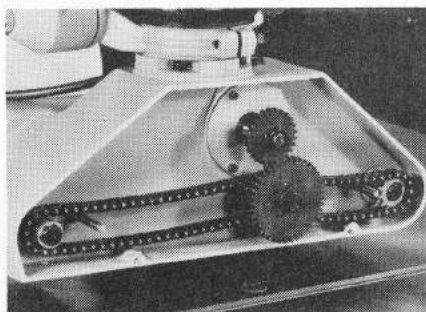
STOCK FEEDER			
MOTOR SPEED	GEAR ARRANGEMENT	MIN. FEED RATE	MAX. FEED RATE
LOW	80/70	4	13
HIGH	80/35	8	26
LOW	25/45	11	36
HIGH	25/25	22	72

DELTA

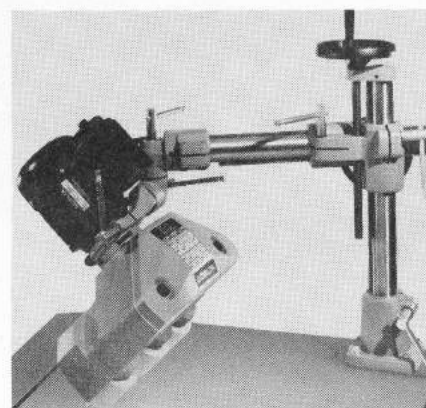
Feed Rate Selection. Both stock feeder models offer four speeds, forward and reverse. Gears operate in a sealed oil bath. Model 34-995, with its 2-speed motor, provides instant speeds of 13 or 26 FPM simply by moving the motor speed switch from "low" to "high" range. When the gears are reversed, speeds of 36 and 72 FPM are obtained. On Model 34-985, which has a single speed motor, speeds of 14 and 63 FPM are available by reversing the gears. When a separate set of gears are inserted, speeds of 27 and 32 FPM are obtained.



Reliable Motors. Both stock feeders are powered by continuous duty motors. Model 34-995 is equipped with a powerful 3/4 HP, 2-speed reversing motor that provides efficient feeding at both high and low speeds. Feed speed and directional switch is conveniently located for easy operator use.

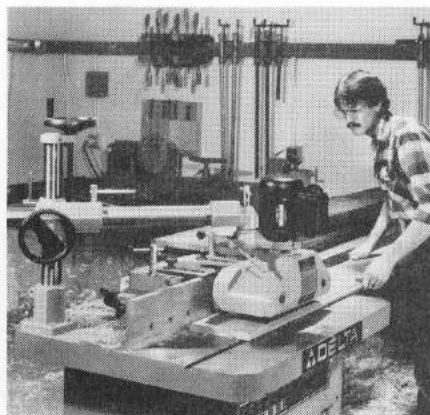


Rugged, Efficient Drive System. Continuous duty motor powers the lubricated gear box which transmits power to roller chains and sprockets that drive feed rollers. This superior system assures positive feeding of all types of materials.

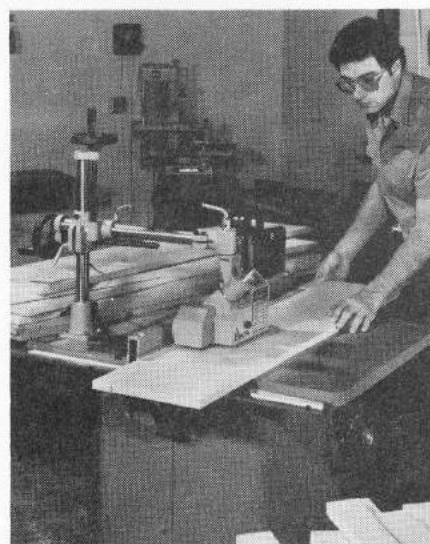


Angle feeding is possible with both stock feeder models.

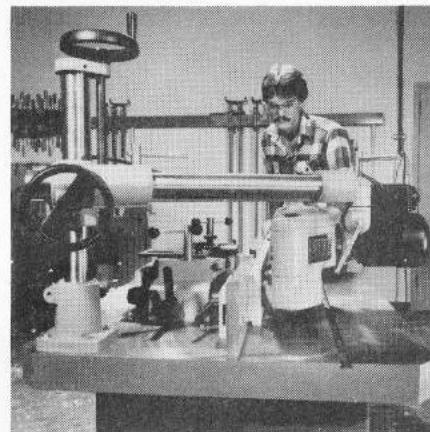
Delta Stock Feeders Are Exceptionally Versatile



The Delta No. 34-995 Stock Feeder makes high volume production shaping a simple operation.



Fast, repetitive ripping on the Delta 10" UNISAW® using the No. 34-985 Stock Feeder.



When desired, both stock feeders may be used in the horizontal position, as the Model 34-995 Feeder is shown here.

You can depend on your Delta Industrial Distributor



He will provide you with:

Assistance in Your Production Planning. His years of experience and technical know-how have equipped him to give you expert advice on your specific job problems.

Fast Delivery from Local Stocks. Because of his knowledge of local markets, he stocks the products you need and delivers your orders quickly.

Prompt Information on New and Old Products. He is in constant touch with manufacturers who supply him with information on new products and developments.

One Source for Many Types of Products. One source ordering simplifies your purchasing procedure and reduces your accounting costs.

Your first source



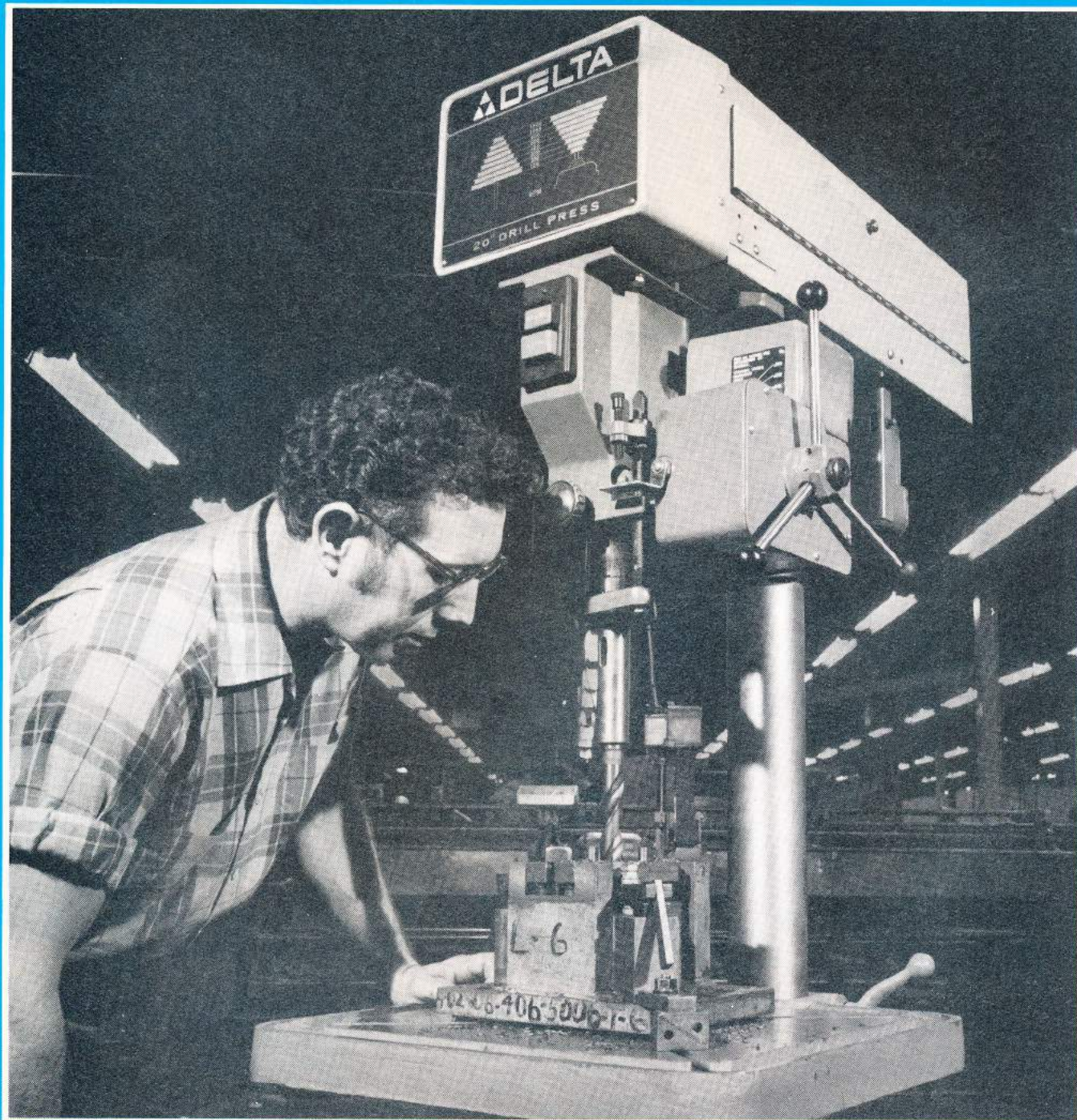
Delta Drill Presses

Most complete line of drilling machines in the industry!

What's your job—drilling, reaming, spot facing, counter-boring! Whatever it is, Delta has a drilling machine to suit your specific production requirements.

Models vary from belt drive in step pulley or variable speed to hand, mechanical or air feed. You can select bench, floor or overhead models in single or multiple

spindle set-ups with No. 3 or No. 2 M.T. spindle or key chuck spindle. In addition, look into the modern features built into every Delta Drilling Machine. These features guarantee long service life, consistent precision performance and maximum operating economy. Let us show you a Delta "productivity builder" in action today!



Delta Series 2000 20" Drill Presses

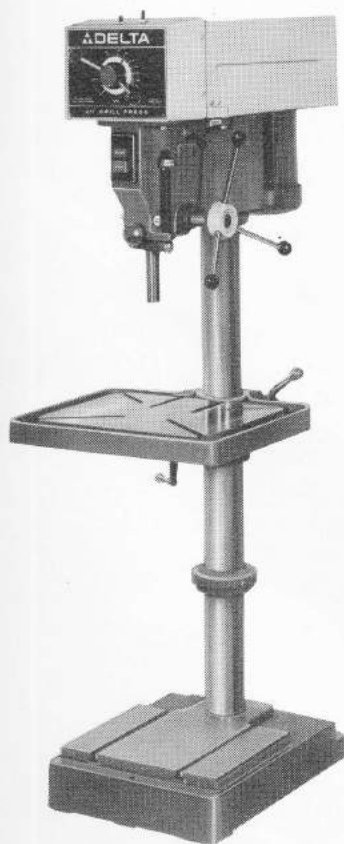
Select from over 140 Variable Speed and Step Pulley Models offering big 1" hole capacity in steel!

You've got a lot more going for you with Delta Series 2000 Drilling Machines. Here's why! The unique slow-speed drive system incorporates a belt tensioning idler for greater wrap-around of the multiple "V" belt on the jack-shift pulley. This means you get "full power" transmission from the motor to the spindle. Furthermore, Delta's superior drive is powered by a standard 1725 RPM, single-speed, dual-voltage motor. This adds up to a *full 1½ HP at the spindle during both high and low speeds*—not one-half the HP at low speed as with a two-speed motor.

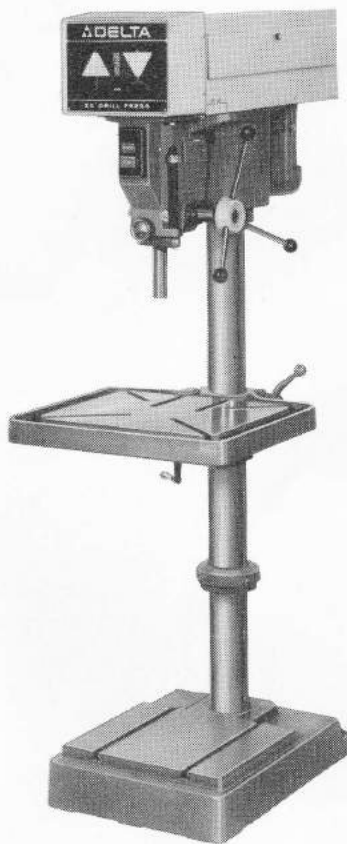
Delta also gives you the *widest* selection of speeds in the industry! You can choose from three speed ranges in both step pulley and variable speed models.

These are just a few reasons why Delta Series 2000's are well suited for big capacity jobs in machine shops, tool rooms, experimental departments, production lines, vocational schools, or wherever big hole drilling to close tolerances is required.

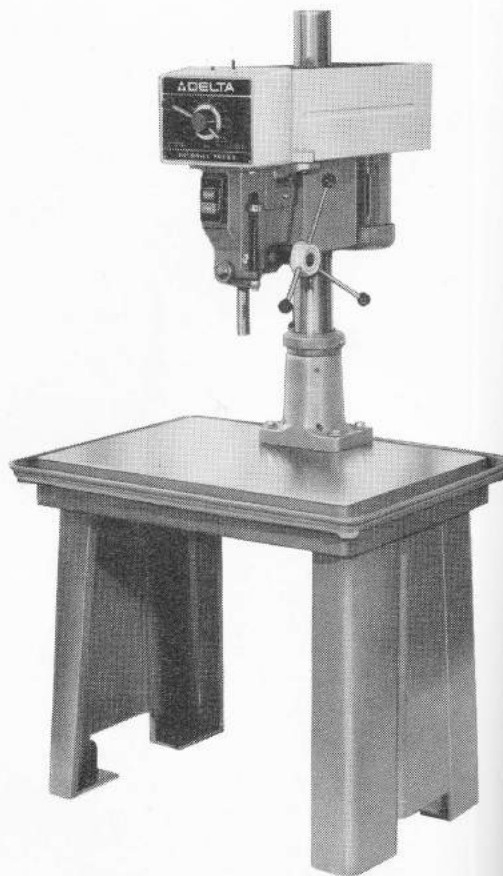
For increased productivity and profit, put Delta Series 2000 Drilling Machines to work in your plant or shop now!



Variable Speed Floor Model shown with hand feed and production table (tilting table available as an accessory).



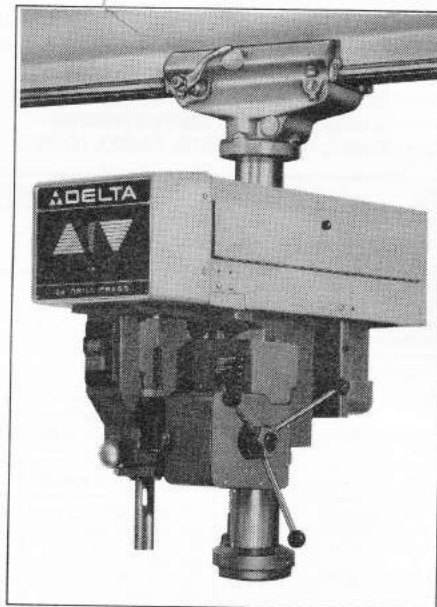
Eight-speed Step Pulley Floor Model shown with hand feed and production table. All models are furnished with choice of two feeds—Hand Feed or Vari-Rate Mechanical Power Feed.



Variable Speed Floor Model shown with extra large production table and hand feed. Spacious 23¾ x 36" table working surface makes machine especially suited for handling large dies, jigs, fixtures and patterns. excellent unit for the tool and die shop, machine shop and pattern shop.

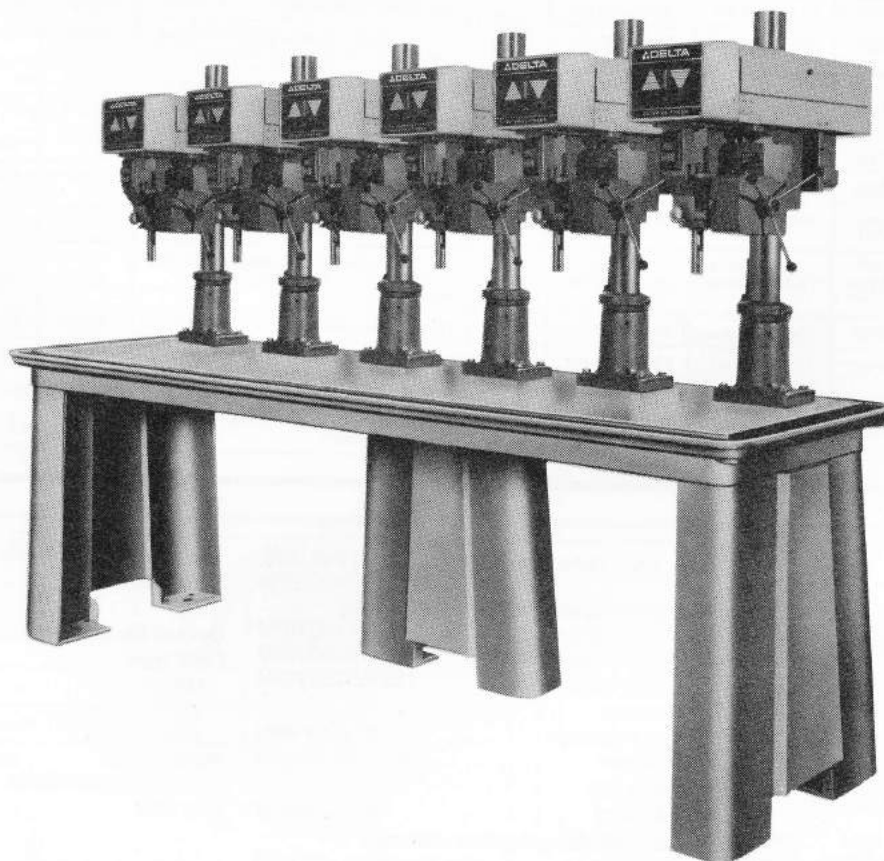
Features that assure superior quality and high productivity with low maintenance cost:

- Unique "full power" drive system provides 1½ HP at spindle at any speed from 125 RPM to 4250 RPM.
- Variable Speed Models are available in a choice of three extra wide speed ranges: 375 to 3750 RPM, 200 to 2000 RPM, 125 to 1250 RPM.
- Step Pulley Models offer eight selected speeds in any of three speed ranges.
- Big 6" quill travel is especially valuable for skip and gang drilling.
- Specially designed 19¼ x 22" production table has both diagonal and parallel T-slots for better clamping of work.
- Exclusive Delta 24-volt, push button control station increases operator safety



Drill Heads for Overhead Models and for Special Set-ups. Using the basic Drill Head Models, the No. 20-761 Raising Mechanism and the No. 20-623 Column and Ball Bearing Carriage Assembly, you can readily build a versatile overhead set-up. Mounted on a jib crane or overhead 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, all drill heads can be used effectively in special set-ups to solve radial, angular, horizontal and other particular drilling problems.



Eight-speed Multiple Spindle Model shown with Vari-Rate Mechanical Power Feed. Can be ordered custom assembled using any combination of heads with any

number of spindles from one to a drill press a block long if desired. See Pages K16 and K17 for ordering.




Delta Series 2000 20" Drill Presses

Catalog Listing Single Spindle Step Pulley Eight-Speed Models

Complete Series 2000 20" Drill Presses.
All models (except heads only) include raising mechanism for head or table, self-locking depth stop, depth gage, belt guard, belt and

motor pulley (specify bore), safety collar for head (supplied on single spindle floor models only), motor and controls (except Nos. 70-210, 70-240, 70-270, 70-220, 70-250,

70-280, 70-230, 70-260 and 70-290, which do not include motor and controls).

Type	Model Number			Hand or Power Feed—No. 3 Morse Taper					
	3-to-1 Reduction Lo-Speed 125-1400 RPM	2-to-1 Reduction Lo-Speed 180-2000 RPM	Direct Drive Hi-Speed 375-4200 RPM	Motor	Motor Control	Motor Enclosure	Hertz And Motor RPM	Motor Voltage	Feed
Floor Model Production Table 	70-210 483 lbs.	70-240 481 lbs.	70-270 470 lbs.	None	—	—	—	—	—
	70-211 544 lbs.	70-241 542 lbs.	70-271 531 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Hand
	70-212 550 lbs.	70-242 548 lbs.	70-272 537 lbs.	Single Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Hand
	70-213† 546 lbs.	70-243† 544 lbs.	70-273† 533 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Hand
	70-215 589 lbs.	70-245 587 lbs.	70-275 576 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Power
	70-216 595 lbs.	70-246 593 lbs.	70-276 582 lbs.	Single Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Power
	70-217† 591 lbs.	70-247† 589 lbs.	70-277† 578 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Power
Floor Model Standard Tilting Table 	70-220 483 lbs.	70-250 481 lbs.	70-280 470 lbs.	None	—	—	—	—	—
	70-221 544 lbs.	70-251 542 lbs.	70-281 531 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Hand
	70-222 550 lbs.	70-252 548 lbs.	70-282 537 lbs.	Single Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Hand
	70-223† 546 lbs.	70-253† 544 lbs.	70-283† 533 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Hand
	70-225 589 lbs.	70-255 587 lbs.	70-285 576 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Power
	70-226 595 lbs.	70-256 593 lbs.	70-286 582 lbs.	Single Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Power
	70-227† 591 lbs.	70-257† 589 lbs.	70-287† 578 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Power
Head Only (Less 20-761 Raising Mechanism) 	70-230 187 lbs.	70-260 185 lbs.	70-290 174 lbs.	None	—	—	—	—	—
	70-231 248 lbs.	70-261 246 lbs.	70-291 235 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Hand
	70-232 254 lbs.	70-262 252 lbs.	70-292 241 lbs.	Single Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Hand
	70-233† 250 lbs.	70-263† 248 lbs.	70-293† 237 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Hand
	70-235 293 lbs.	70-265 291 lbs.	70-295 280 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Power
	70-236 299 lbs.	70-266 297 lbs.	70-296 286 lbs.	Single Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Power
	70-237 295 lbs.	70-267 293 lbs.	70-297 282 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Power

Machine Data

Capacities:

Diameter hole in steel 1" (25.4 mm)
Diameter hole in cast iron ... 1½" (28.5 mm)

Quill:

Stroke (manual feed) 0 to 6"
(0 to 152 mm)

Stroke (power feed) ½ to 6"
(12.7 to 152 mm)

Diameter 2¾" (60.3 mm)

Power Feed Models:

Feeds:
Variable rate mechanical type ... from .003 to .018 ipr (.075 to .45 mmpr)

Spindle Speeds:

Step pulley models (8 speeds, 11.2-to-1 ratio):
Direct drive 375, 600, 900, 1275, 1800, 2400, 3200, 4200 RPM
2-to-1 reduction 180, 280, 425, 600, 850, 1125, 1525, 2000 RPM

3-to-1 reduction 125, 200, 300, 425, 600, 800, 1065, 1400 RPM
Variable speed models (10-to-1 ratio):

Direct drive 375 to 3750 RPM
2-to-1 reduction 200 to 2000 RPM
3-to-1 reduction 125 to 1250 RPM

Column:

Wall thickness ½" (12.7 mm)
Diameter 3¾" (95.25 mm)

Table Tilt:

Standard 90°, L and R

Table Working Surface, Ground:

Standard 16 x 18" (406 x 457 mm)

Production:

Overall 19¼ x 22" (489 x 559 mm)
Inside of coolant trough 15 x 18" (381 x 457 mm)
T-slots (six) 17/32" (13.5 mm)

Base Working Surface:

Floor model 13½ x 16¼"
(342.9 x 412.7 mm)

Overall Dimensions:

Floor type:
Height 75" (1905 mm)
Width 22" (558.8 mm)
Front to rear 31½" (800.1 mm)

Motor Plate:

Accommodates NEMA Frame Motors 143T and 145T




Delta Series 2000 20" Drill Presses

Catalog Listing Single Spindle Variable Speed Models

Complete Series 2000 20" Drill Presses.

All models (except heads only) include raising mechanism for head or table, self-locking depth stop, depth gage, belt guard, belt and

motor pulley (specify bore), safety collar for head (supplied on single spindle floor models only), motor and controls.

Type	Model Number			Hand or Power Feed—No. 3 Morse Taper					
	3-to-1 Reduction Lo-Speed 125-1250 RPM	2-to-1 Reduction Lo-Speed 200-2000 RPM	Direct Drive Hi-Speed 375-3750 RPM	Motor	Motor Control	Motor Enclosure	Hertz And Motor RPM	Motor Voltage	Feed
Floor Model Production Table 	70-301 562 lbs.	70-341 560 lbs.	70-371 549 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Hand
	70-302 568 lbs.	70-342 566 lbs.	70-372 555 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Hand
	70-303† 564 lbs.	70-343† 562 lbs.	70-373† 551 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Hand
	70-305 607 lbs.	70-345 605 lbs.	70-375 594 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Power
	70-306 613 lbs.	70-346 611 lbs.	70-376 600 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Power
	70-307† 609 lbs.	70-347† 607 lbs.	70-377† 596 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Power
Floor Model Tilting Table 	70-321 562 lbs.	70-351 560 lbs.	70-381 549 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Hand
	70-322 568 lbs.	70-352 566 lbs.	70-382 555 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Hand
	70-323† 564 lbs.	70-353† 562 lbs.	70-383† 551 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Hand
	70-325 607 lbs.	70-355 605 lbs.	70-385 594 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Power
	70-326 613 lbs.	70-356 611 lbs.	70-386 600 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Power
	70-327† 609 lbs.	70-357† 607 lbs.	70-387† 596 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Power
Head Only (Less 20-761 Raising Mechanism) 	70-331 266 lbs.	70-361 264 lbs.	70-391 253 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Hand
	70-332 272 lbs.	70-362 270 lbs.	70-392 259 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Hand
	70-333† 268 lbs.	70-363† 266 lbs.	70-393† 255 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Hand
	70-335 315 lbs.	70-365 313 lbs.	70-395 302 lbs.	Single Phase 1½ HP	Push Button Switch Only	TEFC	60-1725	230	Power
	70-336 317 lbs.	70-366 315 lbs.	70-396 304 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	Power
	70-337 313 lbs.	70-367 311 lbs.	70-397 300 lbs.	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Power

Production tables have 1½" coolant trough with two ¾" pipe taps at rear.

*Variable Speed Models are furnished only with electricals factory mounted and wired, ready to run.

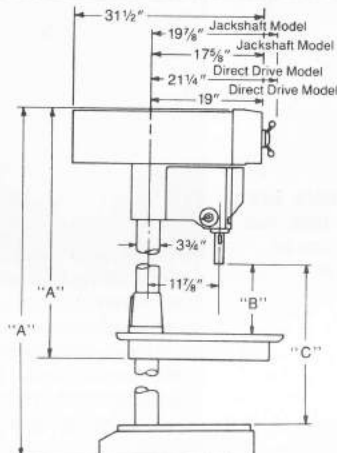
NOTE: To order multiple spindle set ups see Page K16 and K17. For complete description of Mechanical Power Feeds, see Page K7.

NOTE: Single phase electricals will be supplied wired for 230V only. Three phase electricals will be supplied wired for 230V, unless 208V or 460V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Delta Series 2000 Drilling Machines may be ordered unmounted.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Catalog Number for 208-230/460V Electric Option, in order to obtain Series 2000 20" Drilling Machine with "JIC" type electricals, factory wired to starter box.

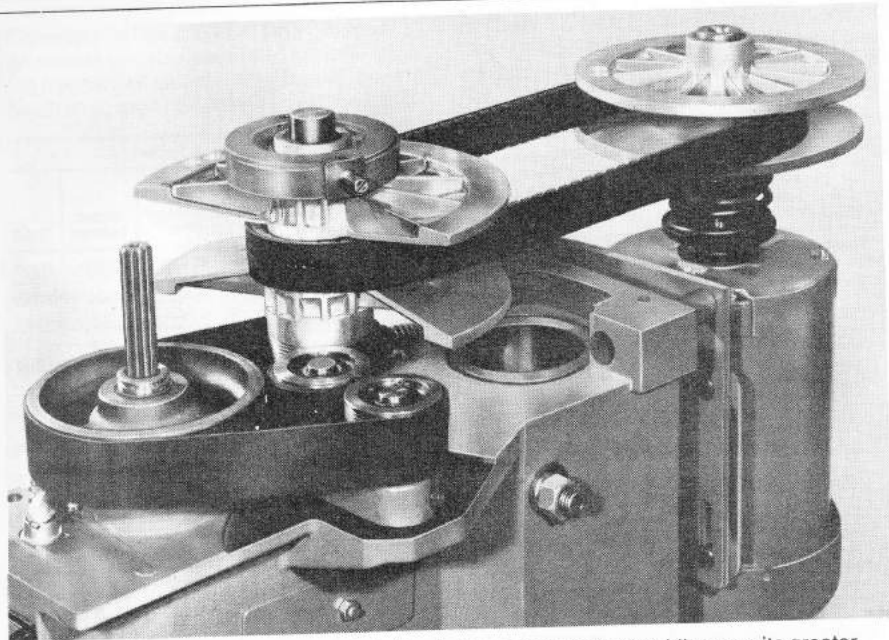
Dimensional Data

Series 2000 Drilling Machines (All Models)	"A" Overall Height	"B" Spindle to Table (Max.)	"C" Spindle to Table (Max.)
Production Table	55"	25½"	—
Floor Type w/Production Table	75"	35½"	44½"
Floor Type w/Tilt Table	75"	34¼"	44½"

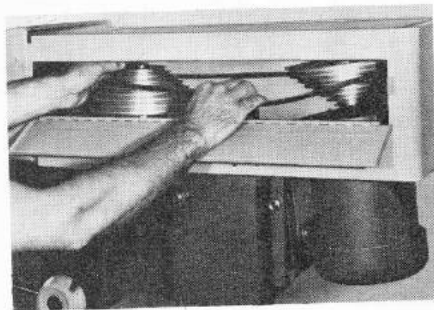


Delta Series 2000 20" Drill Press (continued)

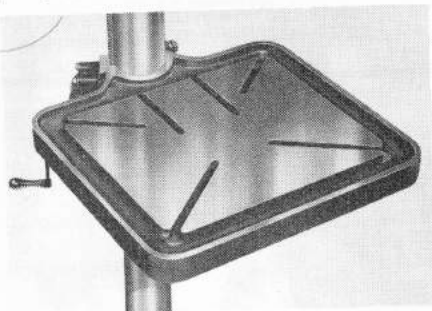
Delta Series 2000 20" Drill Press Quality Features



Unique, Full Power Transmission. Delta's pivot-type belt tensioning idler permits greater belt wrap on the jackshaft pulley. The 1½" wide, "Poly V" belt transmits full power from the motor to the spindle at all speeds while providing extra long belt life.



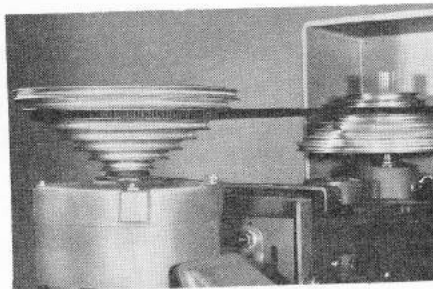
Fast Easy Speed Changes. Pivot-type motor mount on Series 2000 Step Pulley models makes belt changing fast and easy. You get longer belt life, too, because belt tension is fully released before changing from one pulley speed to another.



Specially Designed Production Table. Extra large table with 19¼ x 22" work surface, has both diagonal and parallel blind T-slots to facilitate clamping of jigs and fixtures.



Choice of Three Extra Wide Speed Ranges. Only the Delta Series 2000 Variable Speed Drilling Machine gives you a 10-to-1 speed ratio in three model variations with full power at the spindle at all speeds! You get the exact speed range you need for every drilling job—375 to 3750 RPM—200 to 2000 RPM—or 125 to 1250 RPM.

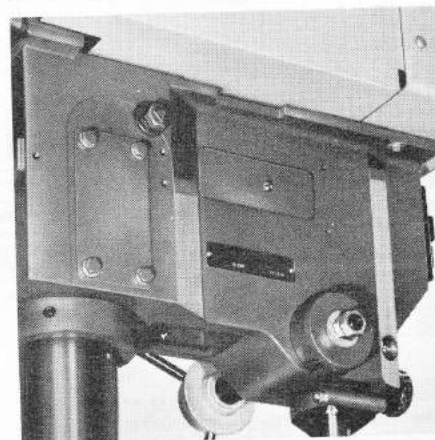


Exclusive Eight-Speed Range. The Delta Step Pulley Model is the only machine in its size that offers eight speeds with full HP at the spindle at all speeds! This is because Delta uses a standard 1725 RPM, single-speed dual-voltage motor. You get eight selected speeds in any of three speed ranges.



(Left) Big Quill Travel. Provides a full 6" stroke—ample capacity for skip and gang drilling, counterboring and reaming large work. Note exceptionally large 2¾" diameter quill.

(Right) Exclusive Delta Safety Control Station. Series 2000 Drilling Machines offer a low 24 volts at the push button control station for extra operator safety. Magnetic control system provides on-off control, low-voltage, no-voltage (when power is interrupted, machine can be started only by pressing start button), and motor overload protection. On three phase systems, overload protection is provided on all three legs.



Massive Head Construction. The head on the Series 2000 Drilling Machine is a rugged, one-piece casting more than 10" deep x 6" wide. This superior construction provides maximum rigidity, resulting in greater accuracy at the spindle.

Delta Quality Extras

Eight Ball Bearings rigidly support variable speed drive and spindle on speed reduction models.

Ten-Spline Spindle is ¾" in diameter for greater torque transmission.

Large 2¾" Diameter Quill is supported by three precision bored lands in head, providing extra smooth travel. Two 90°, individually adjustable plugs assure continued quill accuracy, even after long use.

Quill Return Spring Adjustment can be safely and easily set in seconds to keep production moving.

Long Columns provide extra big capacity for large work.

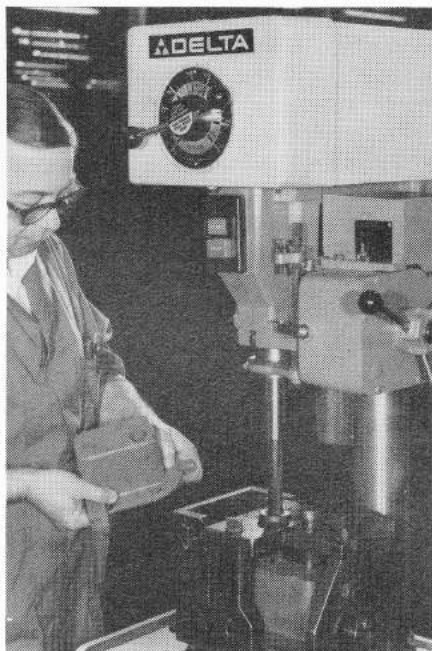
Delta Mechanical Power Feed

Designed for use with Delta 20" and 17" Drill Presses

Increases Production—The Delta Mechanical Power Feed is not subject to slowdowns due to operator fatigue. Because of the wide range of feeds available, Delta Drilling Machines, when equipped with this efficient power feed, are well suited for both small and large hole drilling.

Saves on Labor Costs—Easy to operate, the Delta Mechanical Power Feed is designed to free the operator for secondary operations.

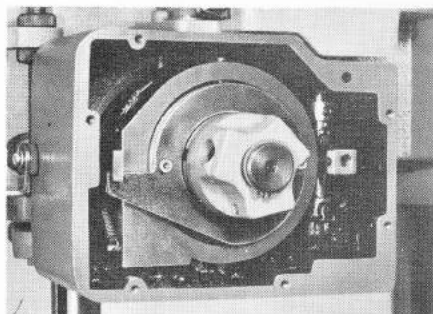
Improves Quality—Engineered feeds and speeds are *maintained* to produce holes that are round, true to size and depth, with a high quality finish.



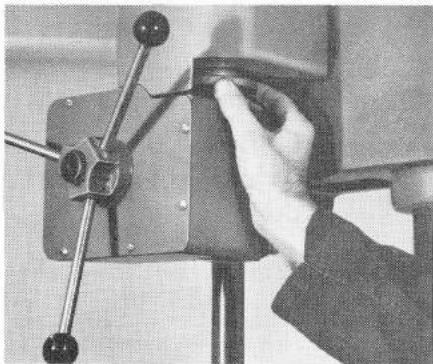
Check These Delta Mechanical Power Feed User Benefits:

- Provides fast, variable feed rate selection from .003 to .018 ipr.
- Frees operator for secondary operations.
- Lets operator run several machines at one time.
- Reduces operator fatigue, increasing safety.
- Keeps quality work up, rejects down.
- Increases tool life.
- Reduces drill breakage.
- Can be operated by less experienced operators.

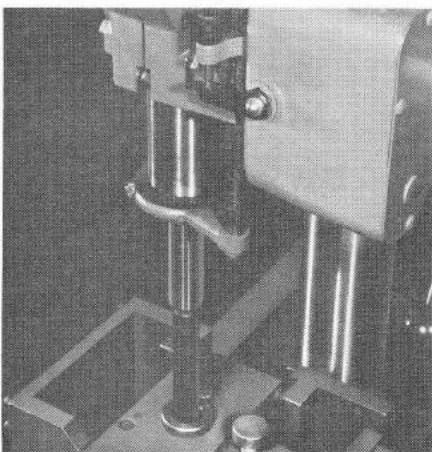
The Delta Power Feed combines mechanical simplicity with advanced features for long life and operational ease with safety!



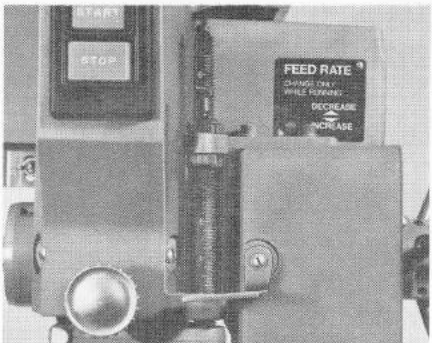
Simple, Rugged Construction. Assures long, trouble-free performance. Side-mounted 3-spoke hand wheel permits fast feeding to work piece, power feeding through cycle, automatic disengagement of power feed and retraction of quill to start position.



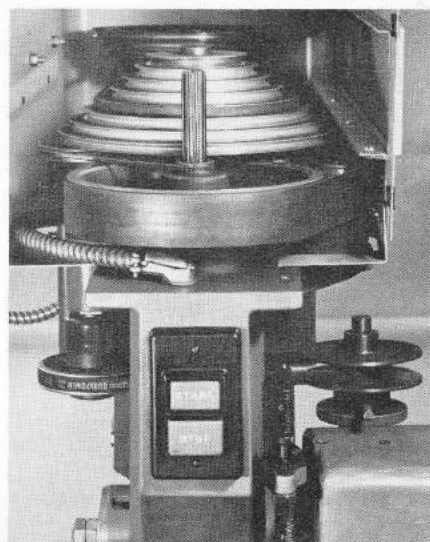
Quick Feed Rate Selection. You can quickly select any feed rate between .003 and .018 ipr. Dial the exact feed required while the machine is running.



Automatic Quill Return. With the Delta Mechanical Power Feed, the drill stops momentarily at the desired depth, cleans the hole, and *automatically* returns. You pay nothing extra for this built-in feature.



Wide Feed Range. Variable rate power feed provides a feed range of 6 to 1 (.003 to .018 ipr). Within the range, any feed may be selected versus a choice of only three to five selections on step pulley type feeds. Quill stroke is 6" on 20" models; 5" on 17" models.



Perfected Drive System. Special 5M belt transmits motor power from spindle pulley to jackshaft, then to adjustable, variable speed pulley on power feed. Maximum power is transmitted by the power feed worm gear drive. Both worm and worm gear are oil-bath lubricated for long life.

Delta 17" Drill Presses

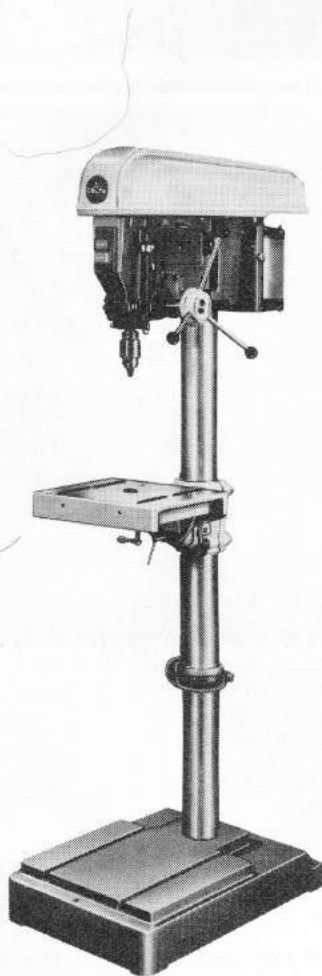
Choose from more than 70 models in Step Pulley or Variable Speed with option of Hand or Power Feed!

In the tool room, experimental department, machine or model shop, Delta 17" Drill Presses will meet your most demanding requirements.

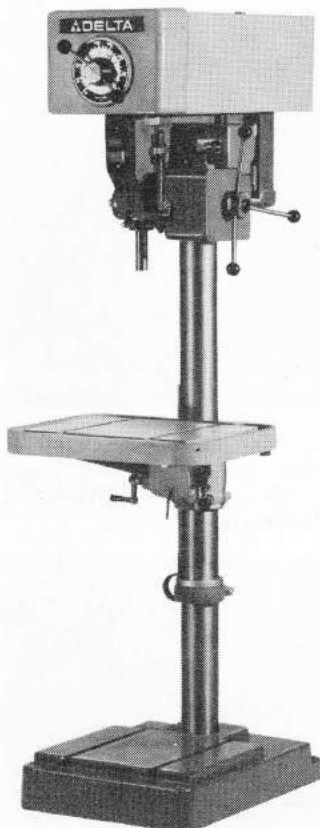
They are the finest machines ever offered in their class. Here's why: only Delta Variable Speed 17's provide a 12-to-1 speed ratio, enabling you to do superior work with almost any material. Only Delta 17's make available a unique Double Spindle eliminating spindle whip and providing greater accuracy. Only Delta makes six interchangeable spindle adapters available to make 17's unsurpassed in their ability to do many different jobs.

Now, if sustained production is vital to your operation, consider equipping Delta 17's with their Mechanical Power Feed. The Delta Power Feed combines mechanical simplicity with advanced features for long life and operational ease with safety. It keeps production moving because it won't slow down due to operator fatigue.

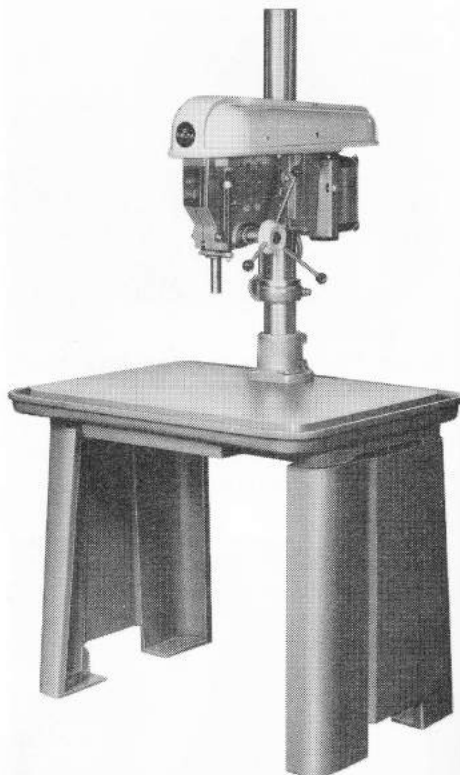
You get many options and advantages with low-cost Delta 17" Drill Presses. This could be the right time to add them to your operation!



Five-Step Pulley Floor Model shown with tilting table and Accessory 15-830 Key Chuck, which requires 17-882 Spindle Assembly.



Variable Speed Floor Model shown with production tilting table, No. 2 M.T. spindle and accessory Vari-Rate Mechanical Power Feed.



Five-Step Pulley Floor Model shown with hand feed with No. 2 M.T. spindle and extra large production table. Spacious 23 $\frac{3}{8}$ x 36" table working surface makes machine especially suited for handling large dies, jigs, fixtures and patterns. Increases efficiency while stepping up production. An excellent unit for the tool and die shop, machine shop and pattern shop.



Single spindle floor models and all electrical kits are certified in Canada

Machine Data

Capacities:

Key chuck 0 to 1/2" (0 to 12.7 mm)
 Diameter hole in steel 1 1/16" (17.5 mm)
 Diameter in cast iron 7/8" (22.2 mm)

Quill:

Stroke—manual feed . . 0 to 5" (0 to 127 mm)
 —power feed 1/2 to 5" (12.7 to 127 mm)
 Diameter—2 1/4" (57.2 mm)

Power Feed Models:

Feeds: Variable rate mechanical type—
 from .003 to .018 ipr (.075 to .45 mmpr)

Spindle Speeds:

Step pulley models:

With 1725 RPM Motor:

High speed model . 700, 1150, 1750, 2750,
 and 4250 RPM

Slo speed model 385, 600, 935, 1450
 and 2240 RPM

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 models:

With 1725 RPM motor . . 350 to 4250 RPM

With 1140 RPM motor . . 230 to 2830 RPM

Column:

Diameter 3 1/2" (88.9 mm)

Wall thickness 1 1/4" (4.37 mm)

Table Tilt:

Standard 90° L and R

Production 17° L and R

Table Working Surface, Ground:

Standard 11 x 14" (279.4 x 355.6 mm)

Production:

Overall . . . 16 x 20 1/2" (406.4 x 520.7 mm)

Inside of coolant trough 12 1/2" x 17"
 (317.5 x 431.8 mm)

T-slots (two on 9" centers) . . 9/16" (14.3 mm)

Base Working Surface:

Floor model 13 1/2 x 16 1/4" (342.9 x 412.7 mm)

Overall Dimensions:

Bench type:

Height—step pulley . . . 49 3/8" (1254.1 mm)

—variable speed 51 1/8" (1298.6 mm)

Width—step pulley 23 1/2" (596.9 mm)

—variable speed 23 3/8" (600.1 mm)

Front to rear

—step pulley 35 1/2" (900.9 mm)

—variable speed 36 3/8" (923.9 mm)

Floor Type (with production table):

Height—step pulley 70" (1778.0 mm)

—variable speed 71 3/4" (1822.5 mm)

Width—step pulley 18 1/4" (463.6 mm)

—variable speed 20 1/2" (520.7 mm)

Front to rear

step pulley 32 11/32" (821.5 mm)

—variable speed 32 3/8" (822.3 mm)

Motor Plate: Accommodates NEMA 143T,
 145T and 182 frame motors.



Variable Speed Multiple Spindle Model

Can be ordered custom assembled (either at the factory or in your shop) using any combination of Step Pulley or Variable Speed Heads with any number of spindles from one to a drill press a block long if desired. See Pages K16 and K17 for ordering.

All models can be furnished with a choice of two types of feed—Hand or Vari-Rate Mechanical Feed.

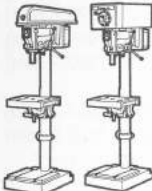
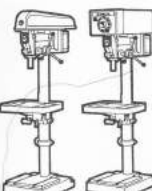

Delta 17" Drill Presses (continued)

Catalog Listing Single Spindle Models—Step Pulley and Variable Speed*—Hand and Power Feed

Complete 17" Drill Presses. All models include belt and pulley guard, belt and motor pulley (7/8" bore), self-locking depth stop, depth gage, motor and controls (except

Nos. 17-410, 17-440, 17-420, 17-450, 17-430 and 17-460, which do not include motor and controls). Table raising mechanism and safety collar for head are supplied on single

spindle floor models. Head raising mechanism is supplied on multiple spindle models only.

Type	Model Number			Hand or Power Feed					
	No. 2 Morse Taper Sio Speed	No. 2 Morse Taper High Speed	No. 2 Morse Taper Variable Speed	Motor	Motor Control	Motor Enclosure	Hertz And Motor RPM	Motor Voltage	Feed
Floor Model Standard Tilting Table 	17-410 300 lbs.	17-440 300 lbs.	—	None	—	—	—	—	—
	17-411 361 lbs.	17-441 361 lbs.	17-521 391 lbs.	Single Phase 1 HP	Push Button Switch Only	TEFC	60-1725	115/230	Hand
	17-412 367 lbs.	17-442 367 lbs.	17-522 397 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	Hand
	17-413† 357 lbs.	17-443† 357 lbs.	17-523† 387 lbs.	Three Phase 1 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Hand
	17-415 406 lbs.	17-445 406 lbs.	17-525 436 lbs.	Single Phase 1 HP	Push Button Switch Only	TEFC	60-1725	115/230	Power
	17-416 412 lbs.	17-446 412 lbs.	17-526 442 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	Power
	17-417† 402 lbs.	17-447† 402 lbs.	17-527† 432 lbs.	Three Phase 1 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Power
Floor Model Production Tilting Table 	17-420 312 lbs.	17-450 312 lbs.	—	None	—	—	—	—	—
	17-421 393 lbs.	17-451 373 lbs.	17-531 409 lbs.	Single Phase 1 HP	Push Button Switch Only	TEFC	60-1725	115/230	Hand
	17-422 379 lbs.	17-452 379 lbs.	17-532 415 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	Hand
	17-423† 369 lbs.	17-453† 369 lbs.	17-533† 405 lbs.	Three Phase 1 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Hand
	17-425 418 lbs.	17-455 418 lbs.	17-535 454 lbs.	Single Phase 1 HP	Push Button Switch Only	TEFC	60-1725	115/230	Power
	17-426 424 lbs.	17-456 424 lbs.	17-536 460 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	Power
	17-427† 414 lbs.	17-457† 414 lbs.	17-537† 450 lbs.	Three Phase 1 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Power
Head Only 	17-430 99 lbs.	17-460 99 lbs.	—	None	—	—	—	—	—
	17-431 160 lbs.	17-461 160 lbs.	17-541 188 lbs.	Single Phase 1 HP	Push Button Switch Only	TEFC	60-1725	115/230	Hand
	17-432 166 lbs.	17-462 166 lbs.	17-542 194 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	Hand
	17-433† 156 lbs.	17-463† 156 lbs.	17-543† 184 lbs.	Three Phase 1 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Hand
	17-435 205 lbs.	17-465 205 lbs.	17-545 233 lbs.	Single Phase 1 HP	Push Button Switch Only	TEFC	60-1725	115/230	Power
	17-436 211 lbs.	17-466 211 lbs.	17-546 239 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	Power
	17-437† 201 lbs.	17-467† 201 lbs.	17-547† 229 lbs.	Three Phase 1 HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	208-230/460	Power

Production table floor models include coolant trough with 3/4" pipe tap at rear.

*Variable Speed Models are furnished only with electricals factory mounted and wired, ready to run. Step Pulley Models will be furnished less electricals, if desired.

NOTE: To order multiple spindle set ups, see Page K16 and K17. For complete description of Mechanical Power Feeds, see Page K7.

NOTE: Single phase electricals will be supplied wired for 115V unless 230V is specified. Three phase electricals will be supplied wired for 230V, unless 208V or 460V is specified.

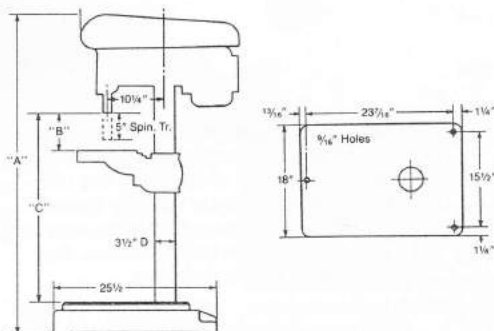
Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Delta 17" Drill Presses may be ordered unmounted.

To obtain 1140 RPM Motor in place of standard 1725 RPM Motor, order Catalog No. 49-006 for single phase and Catalog No. 49-007 for three phase, in addition to complete machine and electricals are listed above.

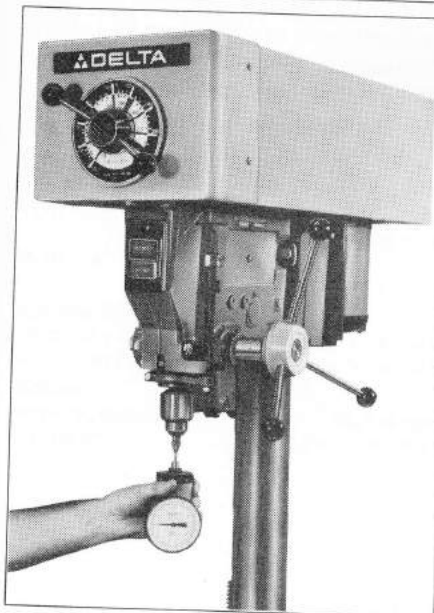
†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Catalog Number for 208-230/460V Electric Option in order to obtain 17" Drill Press with "JIC" type electricals factory wired to starter box.

Dimensional Data

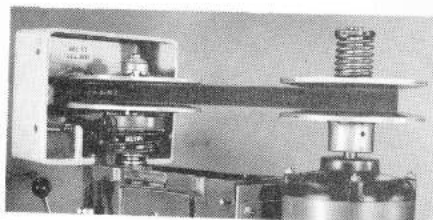
17" Step Pulley and Variable Speed Drill Presses	Model (Step Pulley or Var. Speed)	No. 2 M. T. Models		
		"A" Overall Height	"B" Spindle to Table (Max.)	"C" Spindle to Base (Max.)
Production Table	SP	49 3/8"	25 3/4"	—
	VS	51 1/8"	25 3/4"	—
Floor Type w/Tilting Table	SP	70"	34 3/4"	45 3/4"
	VS	71 3/4"	34 3/4"	45 3/4"
Floor Type w/Production Tilting Table	SP	70"	33"	45 3/4"
	VS	71 3/4"	33"	45 3/4"



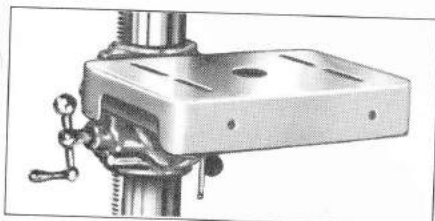
Delta 17" Drill Press Quality Features



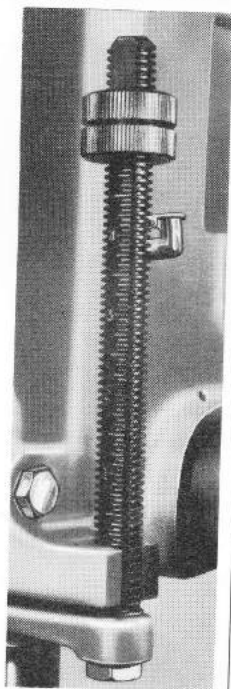
Widest, Test-Proven Speed Range. You can prove the tremendous 12-to-1 speed ratio of the Delta 17" Variable Speed Drill Press by actual tachometer test. You get the exact speed you need for every kind of drillable material—350 to 4250 RPM with a 1725 RPM motor—230 to 2830 RPM with an 1140 RPM motor. Only Delta gives you a bonus of extra speeds in both the high and low speed range.



Efficient Variable Speed Drive. With less than one complete turn of the large speed control pilot wheel, you can select any speed instantly while the machine is running. A self-locking cam, plus a "snubber" feature, holds speed settings constant under all load conditions. Proper belt tension is automatically maintained for full power transmission.

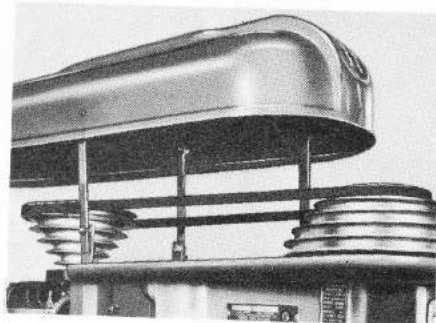
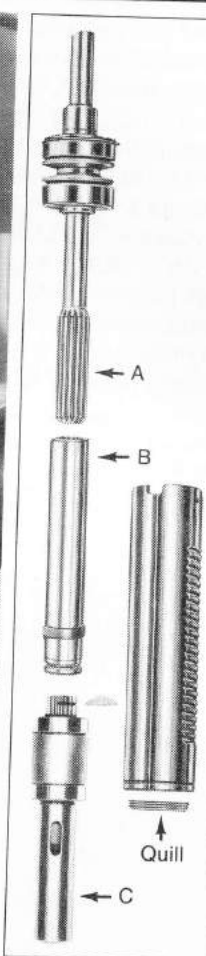


Modern Table Design. Slots and side ledges make clamping of work easy. Machined front apron has mounting holes. Ground index pin accurately locates table at the level position, and at 90° left tilt or 90° right tilt positions.

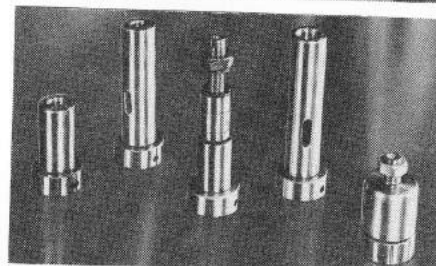
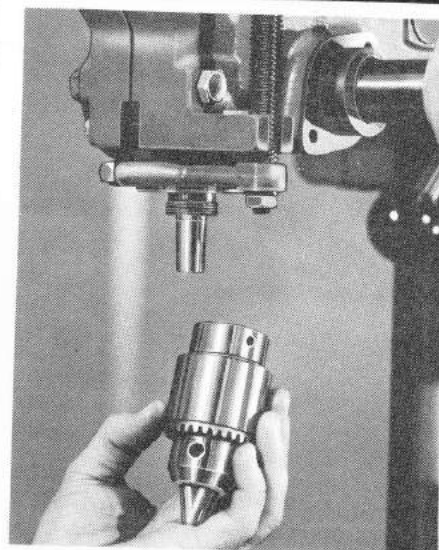


Big Quill Travel. Both Step Pulley and Variable Speed Models provide a full 5" stroke. You get the depth you need for deep hole jobs like skip and gang drilling, also counterboring and reaming large work.

Unique Double Spindle. Only Delta 17's offer a dual spindle design. Upper spindle (A) takes all belt pull and transmits torque through 16-splined free-floating drive sleeve (B) to rigid, short lower spindle (C). Four lubricated-for-life ball bearings (plus an extra bearing on variable speed models) are used—two on the upper spindle and two on the lower spindle. Short lower spindle design eliminates whipping and insures accuracy. You get chatter-free performance, even on special operations like reaming or countersinking.



Interference-Free Guard. Steel guard on Delta 17" Step Pulley Drill Presses swings up high and back, while three specially designed supports and a stop hold guard in desired "up" position. With all interference practically eliminated, operator makes belt and speed changes quickly. Built-in clips automatically lock guard in place when closed.



Unmatched Versatility. When Delta 17" Drill Presses are equipped with accessory 17-882 Spindle, any of six interchangeable spindle adapters may be used for increased job performance. These spindle adapters adapt the 17" Drill Press in seconds for operations varying from drilling to wood planing or routing, including counterboring, reaming, spot facing, sanding and mortising, as well as buffing and many other operations.

Delta Quality Extras

Perfected Motor Mount. Specially designed, pivot type motor mount on Delta 17" Step Pulley Drill Presses assures longer belt life because belt tension is fully released before changing from one pulley speed to another.

Quick conversion pulleys on step pulley models may be quickly changed to go from high to slow speeds or vice versa.

Heavy duty base has a spacious 13 $\frac{3}{4}$ x 16 $\frac{3}{16}$ " work surface, together with T-slots for clamping jigs and fixtures.

Quill is rigidly supported by 3 precision-bored lands in the head, providing extra smooth travel.

Rubber cushion ring absorbs shock between head and quill collar, or mortising chisel holder, while garter spring holds these parts on quill with light clamping pressure. This avoids quill distortion and prolongs bearing life.

Handy, self-closing oil cup permits single point lubrication of quill surface and pinion shaft.

All heads are machined, ready for mounting rack and pinion type raising mechanism.

Delta 6" Stroke 15" Drill Presses

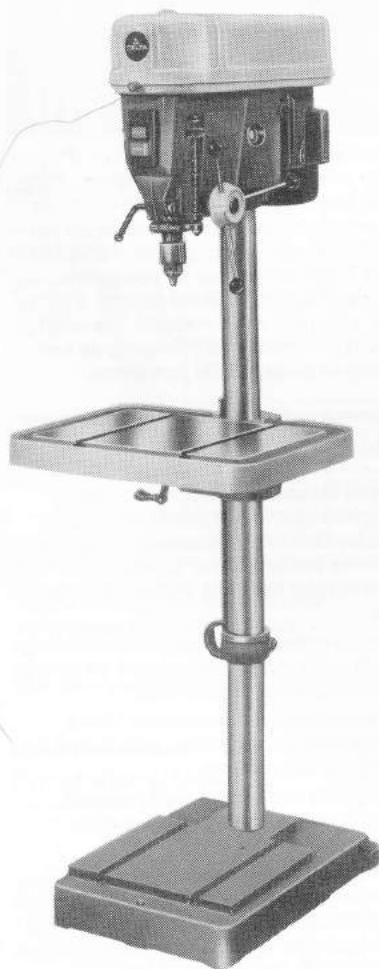
Choose from 32 models in step pulley or variable speed, bench or floor type.

Now! you can overcome the squeeze on your profits due to higher material, labor and marketing costs. That's by cutting costs at the only remaining level—the production line.

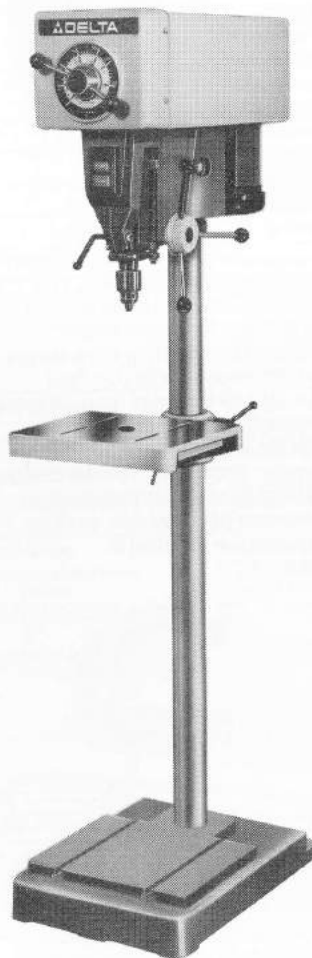
Delta's modern 15" drill presses—"6 PLUS 6" and "VS6"—make such production savings possible through their exceptional capacity and versatility. They provide the *extra wide* range of speeds needed for drilling every-

thing from hardened tool steel to aluminum, plastic and wood. They offer the *extra drilling depth* required for deep-hole applications like skip and gang drilling—also the extra stroke necessary for clearing jigs and fixtures.

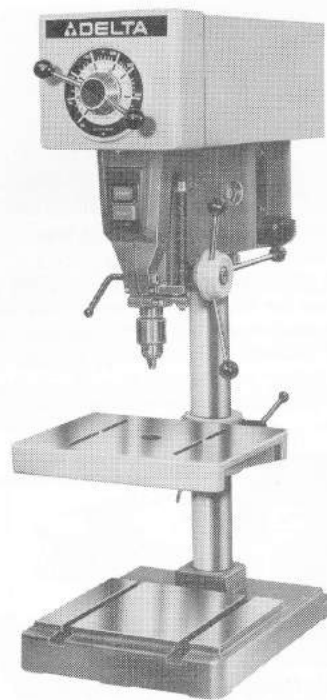
See the cost saving "6 PLUS 6" and "VS6" in action today!



6-Step Pulley 6" Stroke Floor Model shown with production table and key chuck spindle. Available with tilting table on both "6 PLUS 6" and "VS6" Models.



Variable Speed 6" Stroke Floor Model shown with tilting table and key chuck spindle. Available with production table on both "6 PLUS 6" and "VS6" Models.



Variable Speed 6" Stroke Bench Model shown with tilting table and key chuck spindle.

Machine Data

Capacities:

Key chuck (w/std. Jacobs #33 taper) .0 to 1/2"
(0 to 12.7 mm)
Diameter hole in cast iron 5/8" (15.9 mm)
Diameter hole in steel 1/2" (12.7 mm)

Quill:

Stroke .6" (152.4 mm)
Diameter .2" (50.8 mm)

Spindle Speeds ("6 PLUS 6"):

With 1725 RPM motor: 425, 600, 1100, 2050,
3900 and 5500 PRM
With 1140 RPM Motor: 280, 395, 725, 1355,
2575 and 3635 RPM

Spindle Speeds ("VS6"):

With 1725 RPM motor450 to 4700 RPM
With 1140 RPM motor300 to 3100 RPM

Column:

Wall thickness5/32" (4 mm)
Diameter2 3/4" (69.9 mm)

Table Tilt:

Standard90° L and R

Table Working Surface, Ground:

Standard11 x 14" (279.4 x 355.6 mm)
Production (overall)15 1/2 x 21 1/2"
(393.7 x 546.1 mm)
Production (inside of coolant trough) 12 x 18"
(304.8 x 457.2 mm)

Base Working Surface:

Bench type, ground,
(9/16" T-slots on 8" centers)10 1/4 x 12 3/4"
(260.4 x 323.9 mm)
Bench type, ground, (with coolant trough)
14 x 16" (355.6 x 406.4 mm)
Floor type, (9/16" (14.29 mm) T-slots on
8" (203.2 mm) centers11 1/4 x 14"
(285.8 x 355.6 mm)

Overall Dimensions:

Bench model (with tilting table):

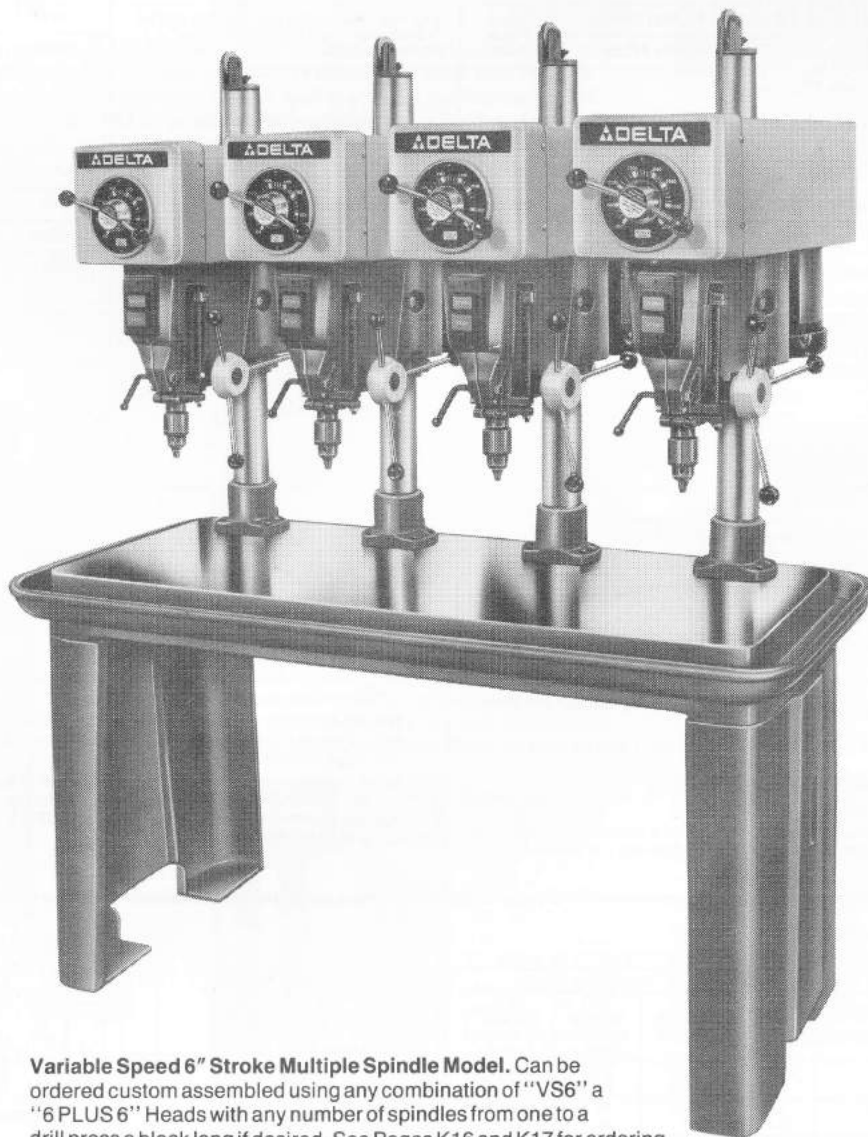
Height:
"6 PLUS 6"40" (1016 mm)
"VS6"42 1/2" (1079.5 mm)
Width14" (355.6 mm)
Front to rear:
"6 PLUS 6"25 1/8" (638.2 mm)
"VS6"27 7/8" (708 mm)

Floor model:

Height:
"6 PLUS 6"71 1/2" (1816.1 mm)
"VS6"74" (1879.6 mm)
Width (tilting table)15 1/2" (393.7 mm)
Width (production table)21 1/2" (546.1 mm)
Front to rear:
"6 PLUS 6"26" (660.4 mm)
"VS6"27 7/8" (708 mm)

Motor:

Accommodates NEMA 56 frame motors



Variable Speed 6" Stroke Multiple Spindle Model. Can be ordered custom assembled using any combination of "VS6" and "6 PLUS 6" Heads with any number of spindles from one to a drill press a block long if desired. See Pages K16 and K17 for ordering.



All Models, except 15-220, 15-230, 15-260 and 15-270, and all electrical kits are certified in Canada.

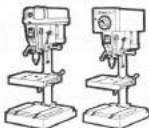
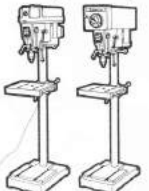
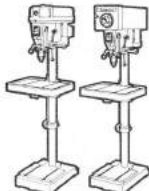
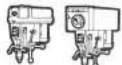
Delta 6" Stroke 15" Drill Presses

Catalog Listing Single Spindle 6-Step Pulley and Variable Speed Models

Complete 6" Stroke 15" Drill Presses. All models include belt and pulley guard, belt and motor pulley (supplied with $\frac{5}{8}$ " bore unless $\frac{1}{2}$ " bore is specified), self locking

depth stop, depth gage, 65-104 self-ejecting chuck key, motor and controls (except Nos. 15-220, 15-230, 15-260 and 15-270, which do not include motor and controls). Floor

models include No. 15-010 Safety Collar for head. Production table floor models include No. 15-008 Table Raising Mechanism.

Type	Model Number		Hand Feed— $\frac{1}{2}$ " Key Chuck				
	6-Step Pulley	Variable Speed	Motor	Motor Control	Motor Enclosure	Hertz And Motor RPM	Motor Voltage
Bench Model Standard Tilting Table 	15-220 167 lbs.	—	None	—	—	—	—
	15-221 198 lbs.	15-321 216 lbs.	Single Phase $\frac{3}{4}$ HP	Push Button Switch Only	TEFC	60-1725	115/230
	15-222 202 lbs.	15-322 220 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230
	15-223† 202 lbs.	15-323† 220 lbs.	Three Phase $\frac{3}{4}$ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460
	15-224 202 lbs.	15-324 220 lbs.		—	TEFC	60-1725	200
Floor Model Standard Tilting Table, 	15-230 190 lbs.	—	None	—	—	—	—
	15-231 221 lbs.	15-331 241 lbs.	Single Phase $\frac{3}{4}$ HP	Push Button Switch Only	TEFC	60-1725	115/230
	15-232 225 lbs.	15-332 245 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230
	15-233† 225 lbs.	15-333† 245 lbs.	Three Phase $\frac{3}{4}$ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460
	15-234 225 lbs.	15-334 245 lbs.		—	TEFC	60-1725	200
Floor Model Production Table 	15-260 248 lbs.	—	None	—	—	—	—
	15-261 279 lbs.	15-341 296 lbs.	Single Phase $\frac{3}{4}$ HP	Push Button Switch Only	TEFC	60-1725	115/230
	15-262 283 lbs.	15-342 300 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230
	15-263† 283 lbs.	15-343† 300 lbs.	Three Phase $\frac{3}{4}$ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460
	15-264 283 lbs.	15-344 300 lbs.		—	TEFC	60-1725	200
Head Only 	15-270 72 lbs.	—	None	—	—	—	—
	15-271 103 lbs.	15-351 125 lbs.	Single Phase $\frac{3}{4}$ HP	Push Button Switch Only	TEFC	60-1725	115/230
	15-272 107 lbs.	15-352 129 lbs.		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230
	15-273† 107 lbs.	15-353† 129 lbs.	Three Phase $\frac{3}{4}$ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460
	15-274 107 lbs.	15-354 129 lbs.		—	TEFC	60-1725	200

Production table floor models include $1\frac{1}{2}$ " coolant trough with $\frac{3}{8}$ " pipe tap on each side.

* Variable Speed Models are furnished only with electricals factory mounted and wired, ready to run.

NOTE: To convert 15" Drill Press with $\frac{1}{2}$ " key chuck to No. 2 M.T. spindle, order No. 15-833 No. 2 M.T. adapter.

NOTE: To order multiple spindle set ups, see Page K16 and K17.

NOTE: Single phase electricals will be supplied wired for 115 V unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power

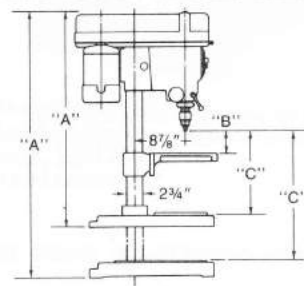
Cord and Plug supplied for single phase only. Motors and Motor Controls for Delta 6" Stroke 15" Drill Presses may be ordered unmounted.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Catalog Number for 230/460 V Electric Option, in order to obtain 15" Drill Press with "JIC" type electricals, factory wired to starter box.

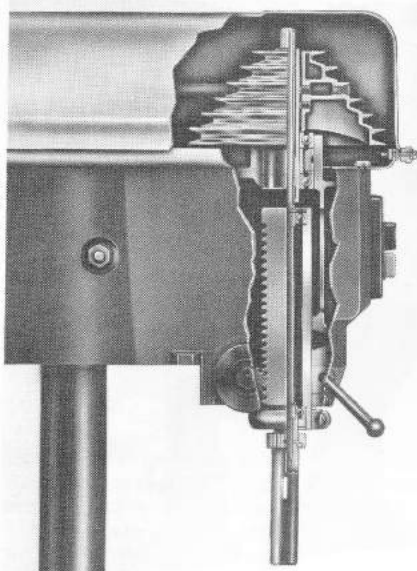
NOTE: To obtain 1140 RPM $\frac{1}{2}$ HP Motor in place of standard 1725 RPM $\frac{3}{4}$ HP Motor, order Cat. No. 49-008 for single phase and Cat. No. 49-009 for three phase, in addition to complete machine and electricals as selected above. 1140 RPM $\frac{1}{2}$ HP Motor supplies equivalent torque to 1725 RPM $\frac{3}{4}$ HP Motor.

Dimensional Data

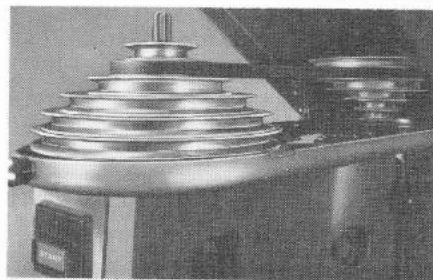
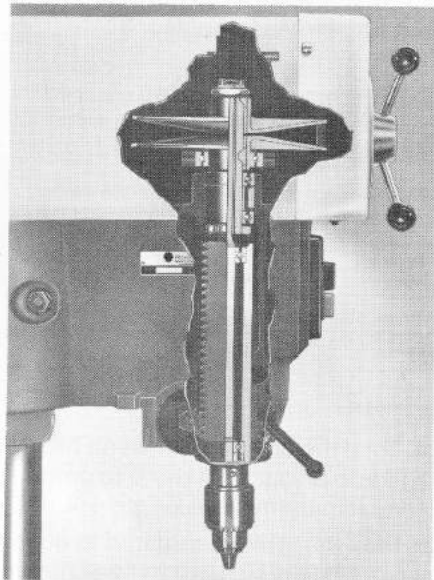
	Model	$\frac{1}{2}$ " Key Chuck Models			With No. 2 Morse Taper Adapter		
		"A" Overall Height	"B" Spindle to Table (max.)	"C" Spindle to Base (max.)	"A" Overall Height	"B" Spindle to Table (max.)	"C" Spindle to Base (max.)
"6 PLUS 6" and "VS6" 15" Drill Presses							
Production Table	VS6 6 + 6	50 $\frac{3}{4}$ 48 $\frac{1}{4}$	24 $\frac{3}{8}$ 24 $\frac{3}{8}$	— —	50 $\frac{3}{4}$ 48 $\frac{1}{4}$	23 $\frac{1}{2}$ 23 $\frac{1}{2}$	— —
Bench Type with Standard Tilting Table	VS6 6 + 6	42 $\frac{1}{2}$ 40	12 12	16 $\frac{3}{4}$ 16 $\frac{3}{4}$	42 $\frac{1}{2}$ 40	11 $\frac{1}{8}$ 11 $\frac{1}{8}$	15 $\frac{7}{8}$ 15 $\frac{7}{8}$
Floor Type with Production Table	VS6 6 + 6	74 71 $\frac{1}{2}$	37 $\frac{1}{2}$ 37 $\frac{1}{2}$	47 47	74 71 $\frac{1}{2}$	36 $\frac{3}{8}$ 36 $\frac{3}{8}$	46 $\frac{1}{8}$ 46 $\frac{1}{8}$
Floor Type with Standard Tilting Table	VS6 6 + 6	74 71 $\frac{1}{2}$	43 $\frac{1}{8}$ 43 $\frac{1}{8}$	47 47	74 71 $\frac{1}{2}$	42 $\frac{1}{4}$ 42 $\frac{1}{4}$	46 $\frac{1}{8}$ 46 $\frac{1}{8}$



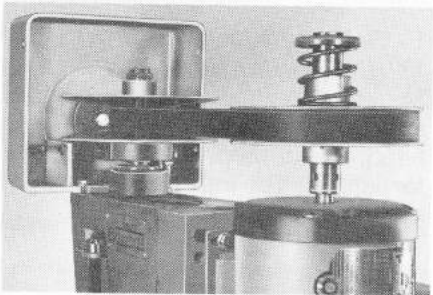
Delta 6" Stroke 15" Drill Press Quality Features



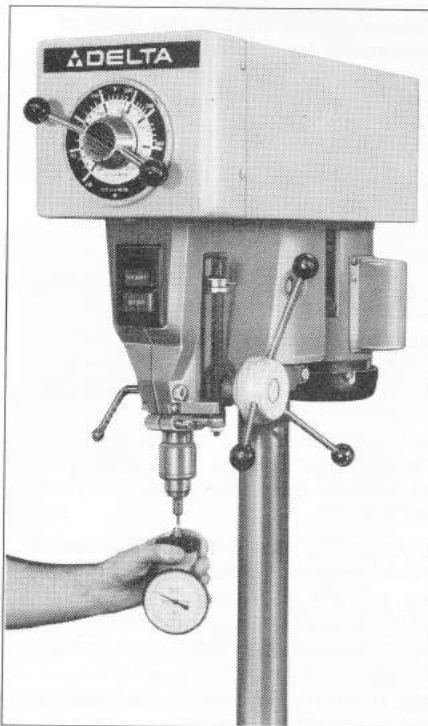
Extra Large Spindle Bearings. "6 PLUS 6" and "VS6" spindle and spindle pulley are supported by four over-sized, preloaded, lubricated-for-life ball bearings. Pulley bearings are extra heavy duty and more than 2" in diameter. Massive quill is a full 2" in diameter. "VS6" has the same excellent construction, PLUS an extra bearing below the spindle pulley. This fine combination of features assures freedom from chatter; long, maintenance-free life and maximum pressure at the drill point.



Six Speeds. Only Delta's "6 PLUS 6" offers this unbelievably wide range of speeds with a low-cost 1725 RPM motor—425, 600, 1100, 2050, 3900 and 5500 RPM—11.8 to 1 speed ratio. You can choose an extra slow speed for drilling very hard materials...an extra fast speed for working soft materials...or an optimum speed for any size bit and material.



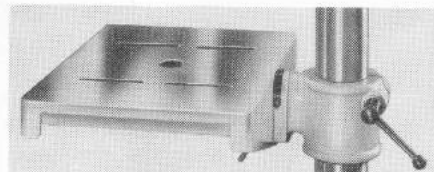
Efficient Variable Speed Drive. Less than one complete turn of the large speed control pilot wheel lets you select any spindle speed instantly while machine is running. A self-locking cam, plus a "snubber" feature, holds speed settings constant under all load conditions. Proper belt tension is automatically maintained for full power transmission.



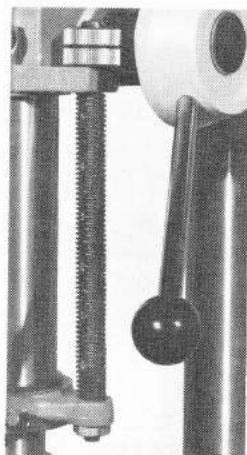
Wide, Test-Proven Speed Range. The Delta 15" Variable Speed Drill Press gives you a true 10-to-1 speed ratio, proven by actual test. You get the exact speed you need for every drilling job on any material—450 to 4700 RPM with a 1725 RPM motor—300 to 3100 with an 1140 RPM motor.



Quick-Release, Adjustable Motor Mount. Belt tension release is provided by the pivoting motor mounting plate which has a reverse, self-locking taper on the spring-loaded, rubber-tipped plunger that quickly restores correct belt tension.



Large 11 x 14" Tilting Table. Slots and side ledges make clamping of work easy. Tilt scale gives accurate readings to 90° right and left, and tapered, expanding bushing provides maximum gripping power for rigid positioning of table at any angle.



Extra Long Quill Travel. The "6 PLUS 6" and "VS6" provide a full "6" stroke. You get the extra depth you need for deep hole jobs like skip and gang drilling...PLUS, the extra stroke required for clearing jigs and fixtures.

Delta Quality Extras

Multiple-spline drive provides positive torque transmission and exact spindle alignment, assuring less vibration, smooth operation and more power at the spindle.

Precision ground spindle and dynamically balanced motor and spindle pulleys.

Worm screw adjustment feature makes it easy to set the correct tension on the spindle return spring.

Delta "Mix or Match" Multiple Spindle Set-Ups

Custom design the multiple spindle drilling machine that best suits your needs!

It's easy to design your own multiple spindle drilling machine.

To determine the price of your drill press, simply add up all of the individual components. Assembly costs are included in the column, flange and raising assembly prices. Your multiple spindle drill press unit will be assembled at the factory.

Just follow these simple steps:

1. Pick the head(s) you desire (15", 17", 20") in Step Pulley or Variable Speeds, together with the appropriate electricals for each head. See appropriate product page for listings. You may mix heads in any way you please.

2. Pick a Column/Flange and Counter-Balance or Raising Mechanism Assembly for each head.

3. Determine the spacing desired between each head (see chart below).

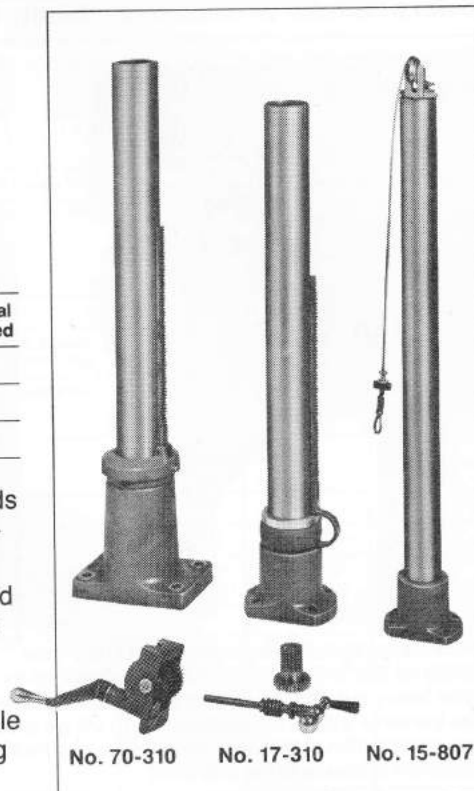
Minimum spacing between heads using LVC 24-Volt Control

Type of Head	Hand Feed	Mechanical Power Feed
20"	18"	23½"
17"	18"	23½"
15"	15"	N.A.

4. Total the distance between heads and add at least 15" more to determine minimum table length.

5. Pick the table(s) required to build the needed table length (see chart of tables for reference).

6. Pick the legs. Order a 50-399 Pair of Legs for 1, 2, 3 and 4-spindle set-ups. Add one more 50-506 Leg for each additional table section.



Column, Flange and Counter-Balance Assemblies for 15" Drill Presses

No. 15-807 Includes 15-805 2¾ x 38¾" (short) Column, 15-019 Flange with screws, and 15-030 Counterbalance Assembly complete. 34 lbs.

No. 15-808 Includes 15-806 2¾ x 65¼" (long) Column, 15-019 Flange with screws, and 15-030 Counterbalance Assembly complete. 43 lbs.

Column, Flange and Raising Mechanism Assemblies for 17" Drill Presses

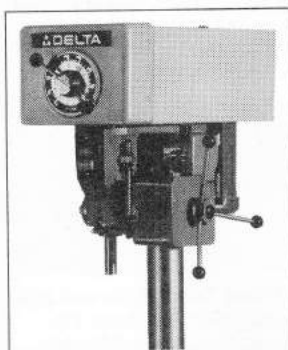
No. 17-310 Includes 17-764 3½ x 38½" (short) Column, 17-366 Flange with screws, and 17-801 Raising Mechanism Assembly complete. 40 lbs.

No. 17-311 Includes 17-763 3½ x 62" (long) Column, 17-366 Flange with screws, and 17-801 Raising Mechanism Assembly complete. 52 lbs.

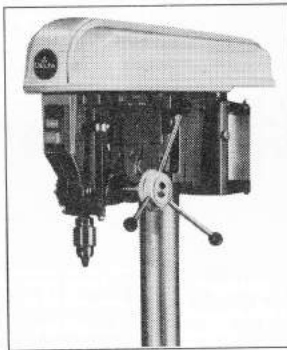
Column, Flange and Raising Mechanism Assemblies for Series 2000 Drill Presses

No. 70-310 Includes 20-626 3¾ x 42" (short) Column, 20-624 Flange with screws, and 20-761 Head Raising Mechanism Assembly complete. 125 lbs.

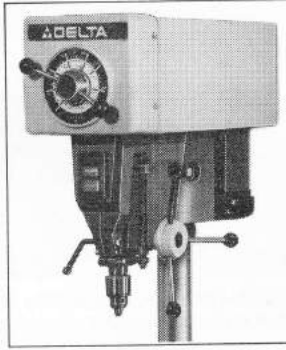
No. 70-311 Includes 20-627 3¾ x 66" (long) Column, 20-624 Flange with screws, and 20-761 Head Raising Mechanism Assembly complete. 160 lbs.



17" Variable Speed with Mechanical Feed



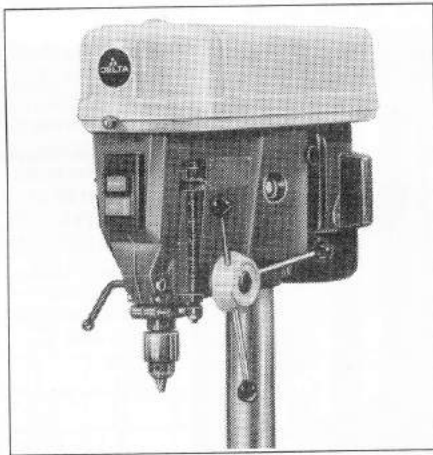
17" Step Pulley with Hand Feed



15" Variable Speed with Hand Feed

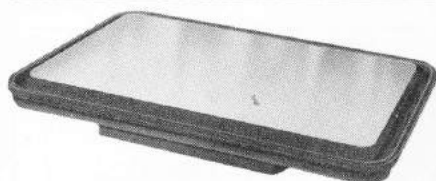


20" Step Pulley with Mechanical Feed

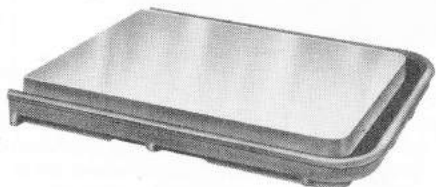


15" Step Pulley with Hand Feed

Tables and Legs



No. 15-153 Production Table, one piece for 1- and 2-spindle set-up. Ground work surface of 23 3/8 x 36". Fits 50-399 Legs. 366 lbs.



No. 15-751 Production Table, end section, 23 3/8" front to rear x 32 1/2" left to right ground work surface with 1 1/2" coolant trough and 3/4" pipe top at end. Use two 15-751 end sections for 3- and 4-spindle tables.



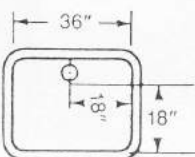
No. 15-155 Production Table, center section, 23 3/8" front to rear x 30" left to right ground work surface with 1 1/2" coolant trough. Use one, two or more center sections for 5- and 6-spindle or larger size tables.



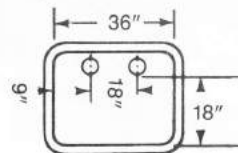
No. 50-399 Legs with No. 15-153 Production Table

No. 50-399 Legs, steel, one pair, 27 1/2" high for mounting Table 15-153 and Table Sections 15-155 and 15-751. 100 lbs.

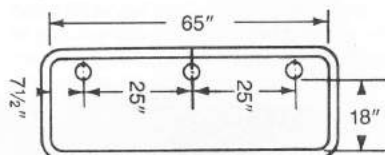
No. 50-506 Leg, steel, 27 1/2" high for mounting production tables and sections as above. 50 lbs.



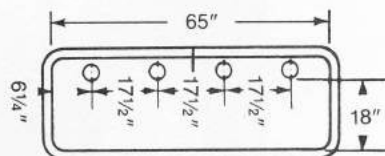
1 Spindle 3/4" pipe tap at rear



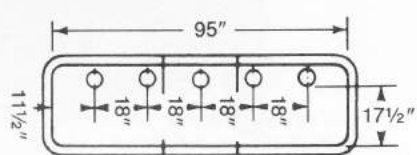
2 Spindle 3/4" pipe tap at rear



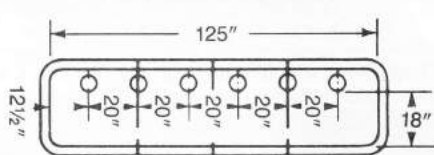
3 Spindle 3/4" pipe tap at each end



4 Spindle 3/4" pipe tap at each end

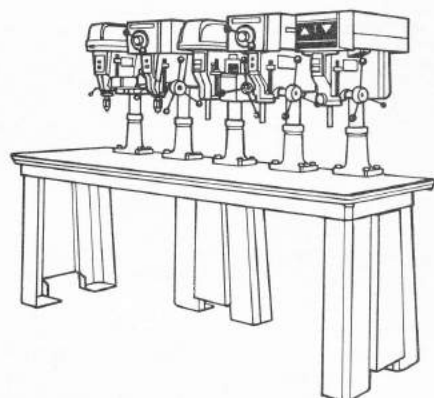


5 Spindle 3/4" pipe tap at each end



6 Spindle 3/4" pipe tap at each end

Typical Multiple Spindle Set-Up



Additional components for building 20", 17" and 15" Drill Press special set-ups

For 20" Drill Presses

No. 20-625 Column, steel, 3 3/4 x 33", with 1/2" wall. 47 lbs.

No. 20-626 Column, steel, 3 3/4 x 42", with 1/2" wall. 62 lbs.

No. 20-627 Column, steel, 3 3/4 x 66", with 1/2" wall. 97 lbs.

No. 20-628 Column, steel, 3 3/4 x 78", with 1/2" wall. 114 lbs.

No. 70-430 Safety Collar for supporting head or column of single spindle drill presses. 3 1/2 lbs.

No. 20-624 Flange, with screws, for mounting column on table (not for single spindle floor models). 44 lbs.

No. 20-623 Ball Bearing Carriage with 33" column for Overhead Drill Press. 126 lbs.

No. 20-661 Table Raising Mechanism. Includes ball bearing thrust collar, rack, gear assembly and crank. 19 lbs.

No. 20-761 Head Raising Mechanism. Includes ball bearing thrust collar, rack, gear assembly and crank. 19 lbs.

For 17" Drill Presses

No. 17-366 Flange, for mounting column on table, with screws (not for floor type). 10 lbs.

No. 17-764 Column, 3 1/2" diameter by 38 1/2" long. 20 lbs.

No. 17-763 Column, 3 1/2" diameter by 62" long. 32 lbs.

No. 17-818 Column, 3 1/2" diameter by 84" long. 46 lbs.

No. 17-635 Safety Collar for supporting head on column. 3 lbs.

No. 17-801 Raising Mechanism for head or table. Includes worm shaft, compound worm gear and pinion, crank handle, rack, thrust ball bearing and column collar. 10 lbs.

For 15" Drill Presses

No. 15-804 Column, 2 3/4 x 33 3/4", with 5/32" wall thickness. 13 lbs.

No. 15-805 Column, 2 3/4 x 38 3/4", with 5/32" wall thickness. 15 lbs.

No. 15-806 Column, 2 3/4 x 65 1/4", with 5/32" wall thickness. 24 lbs.

No. 15-810 Column, 2 3/4 x 78", with 5/32" wall thickness. 30 lbs.

No. 15-010 Collar, head or table support, for column. 2 lbs.

No. 15-019 Flange, for mounting column on table, with screws. 10 lbs.

No. 15-030 Counterbalance, complete assembly includes spring, chain, column top casting, ball bearing roller and screws. Cannot be used with columns shorter than 38 3/4". 9 lbs.

Delta Ram Type Radial Drill Press

Drills to center of a 60" circle,...provides the performance and versatility of machines costing more than twice as much!

Ruggedly built, this economically-priced radial drill press offers the extras usually found only in heavy, fixed machinery:

Extra Drilling Capacity. You can take the drill head right to the work—tilt it up to 45° right or left—swivel the head 360° for operations either on or off the table.

Extra Wide Speed Range. Built-in jack shaft assembly provides 16 different speeds from as low as 175 RPM to as high as 8200 RPM—the right speed for any job.

Extra Big Capacity. You get a long 42-inch column for extra spindle nose to table capacity; also a big 6" quill stroke with a ram travel of 17". This means you can handle even the BIGGEST jobs.

If you need a radial drill press that's ideal for rapid, precision drilling of large, heavy stock, sheet stock, panels and similar materials, ask for complete information on this Delta machine today!



Catalog Listing



Complete Ram Type Radial Drill Press with 6" spindle travel, No. 2 M.T. spindle, 42" column, 65-863 floor stand, head, jack shaft assembly, ram, cradle, column, table, raising mechanism, belt guards, motor pulley, 49-287 V-belt, 49-105 V-belt, motor and controls.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
15-126	Single Phase ½ HP	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	GD	60-1725	115/230	778
†15-127	Three Phase ½ HP	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	GD	60-1725	230/460	778
15-128			GD	60-1725	200	778

NOTE: Single phase electricals will be supplied wired for 115 V unless 230 V is specified. Three phase electricals will be supplied wired for 230 V unless 460 V is specified. Power cord and plug supplied for single phase only. Motors and Motor Controls for Delta Ram Type Radial Drill Presses may be ordered unmounted.

NOTE: You can easily convert your No. 2 M.T. Spindle Unit to a ½" Key Chuck Model simply by removing the No. 2 M.T. Spindle Adapter and replacing it with a No. 15-830 ½" Key Chuck. Order 15-830 Key Chuck and 15-838 Spanner Wrench separately.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to three phase catalog number for 230/460V electric option, in order to obtain machine with factory mounted and wired "JIC" type electricals.

Machine Data

Capacities:

Key chuck (w/std. Jacobs #33 taper) .0 to ½" (0 to 12.7 mm)
 Diameter hole in cast iron . . . ½" (12.7 mm)
 Diameter hole in steel . . . ¾" (9.5 mm)
 Ram travel, maximum . . . 17" (431.8 mm)
 Column to C of spindle:
 Maximum (ram forward) . . . 30" (762 mm)
 Minimum (ram back) . . . 13" (330 mm)
 Spindle to table . . . 3 1/16" to 24 3/16" (77.79 x 514.36 mm)

Vertical Travel of Head

Using Raising Mechanism . . . 20" (508 mm)
 Head Tilts 90° . . . 45° left, vertical, 45° right

Quill:

Stroke . . . 6" (152 mm)
 Diameter . . . 1 13/16" (45.97 mm)

Spindle Speeds

With 1725 RPM motor . . . 175, 365, 380, 600, 695, 765, 1030, 1250, 1380, 1450, 2200, 2300, 2800, 4000, 4750, 8200 RPM
 Column . . . 3 ¾" (95.25 mm) diameter

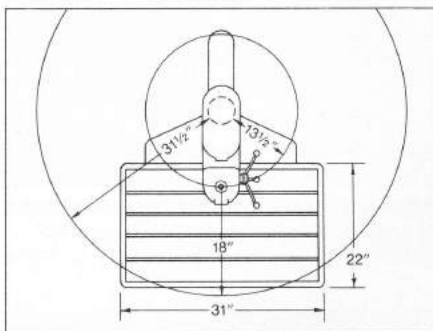
Table:

Ground work surface . . . 26" (660 mm) wide x 18" (457 mm) deep
 Four parallel ½" (12.7 mm) T-slots on 4" (101.6 mm) centers
 1 ¾" (44.45 mm) coolant trough all around with ½" (12.7 mm) pipe tap

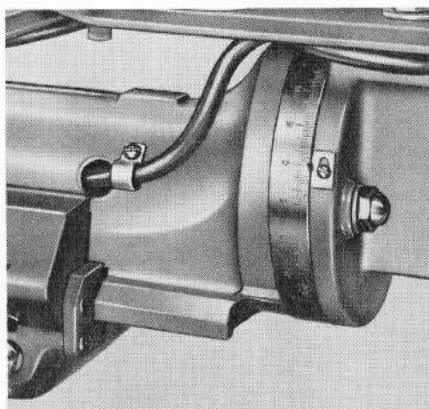
Overall Dimensions:

Height . . . 86" (2184 mm)
 Width . . . 33" (838 mm)
 Front to rear . . . 58" (1473 mm)

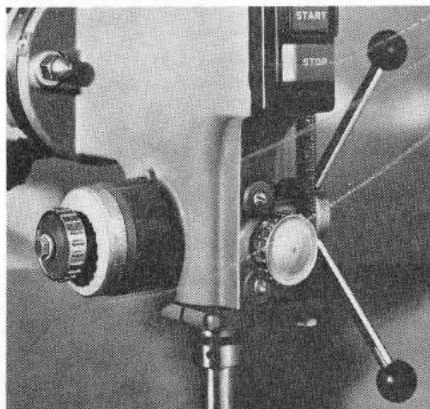
Delta Ram Type Radial Drill Press Quality Features



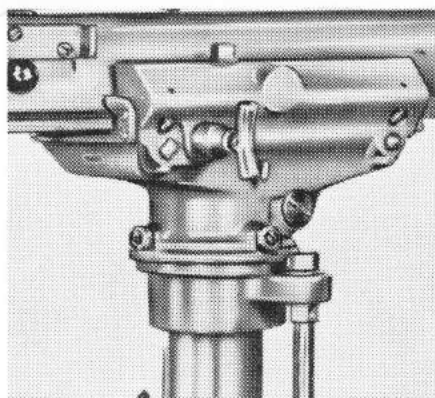
Wide Drilling Range for Full Versatility. The ram has a big 17" travel that permits drilling to the center of a 60" circle. Head, ram and cradle swing a full 360° around the column for drilling anywhere on the massive table or on work that must be kept on the floor.



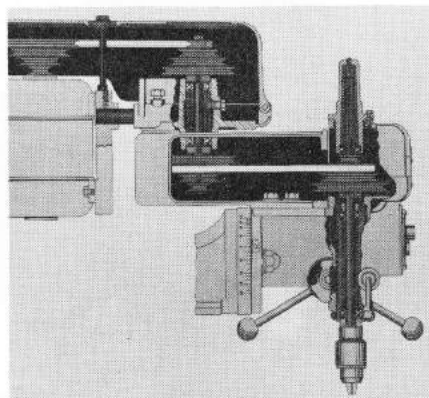
Head Tilt Adjustments Are Easily Made. Head tilts a full 45° right or left. Easy-to-read head tilt angle scale permits setting of head at exact angle desired. Double locks—one on each side of head—securely lock head to prevent angle deviation under heavy loads.



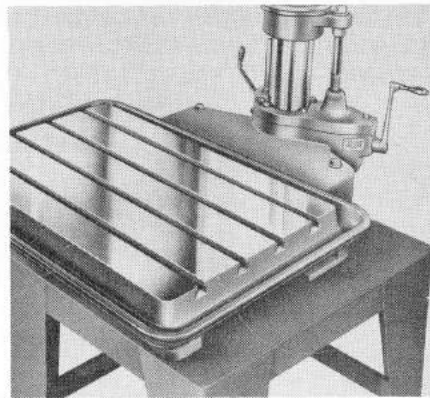
Convenient Controls for Extra Operating Ease. 6" spindle travel model has calibrated depth indicator which shows exact drill penetration. Also features a quill lock knob, two quill wear adjustment screws and an adjustable quill return spring.



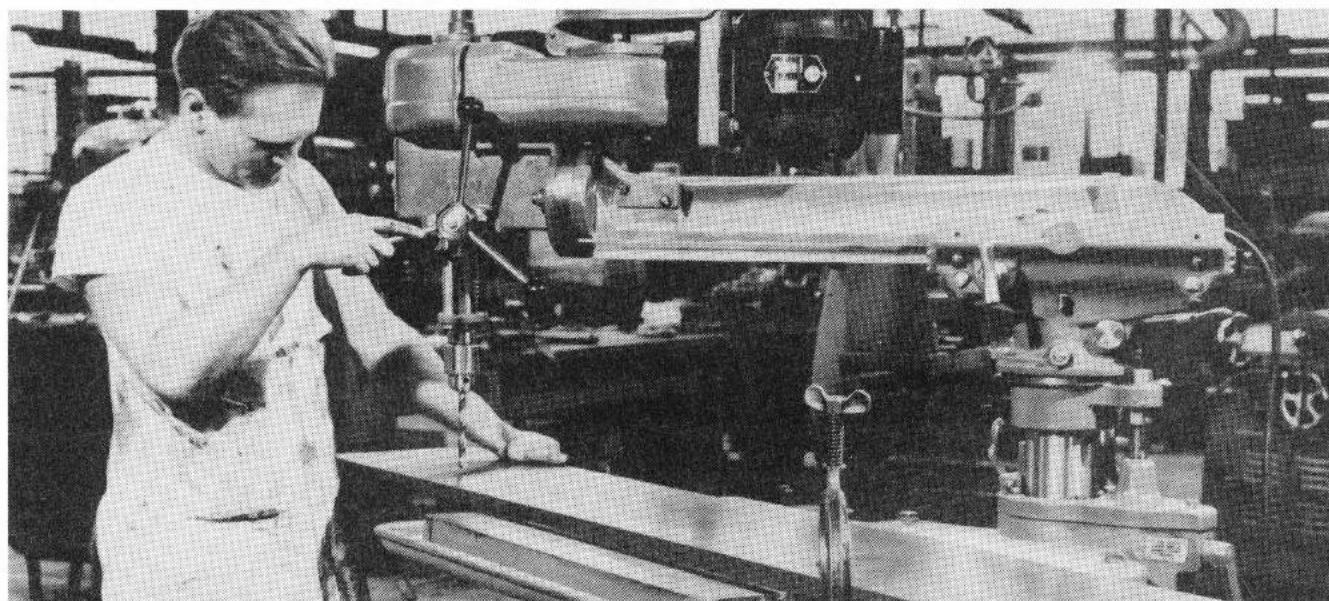
Ball Bearing Construction Facilitates Ram and Drill Head Movement. Cradle has eight ball bearings placed on an eccentric to permit take-up for wear and provide easy glide movement of ram. Thirty-eight ball bearings in support collar facilitate movement of drill head in a complete circle.



Jack Shaft Assembly Provides Wide Multiple-Speed Range. The built-in ball bearing Jack Shaft assembly provides for easy selection of 16 different speeds from 175 to 8200 RPM with a 1725 RPM motor. You get the right speed for every drilling operation.



Massive Table—Convenient Head Raising Mechanism. Big 18 x 26" cast iron, machined table has four T slots and oil trough tapped to accommodate 1/2" pipe. Handle on right permits rapid raising or lowering of head mechanism.



Delta Ram Type Radial Drill Presses Give You Machine Tool Capacity and Performance Combined with Power Tool Adaptability and Versatility.

Delta 20" Drill Press

Now production capacity drilling that won't put a hole in your budget.

The 20" Drill Press is ideal for small shop, job shop, maintenance and production applications. Larger capacity is achieved without sacrificing versatility or convenience.

The 1 HP induction motor provides ample power for the broad range of nine spindle speeds (150 to 2200 rpm) which meets requirements for low speed metal up through high speed wood drilling operations. The perfect speed is available based on material type and drilling applications.

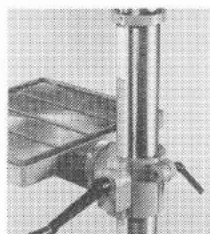
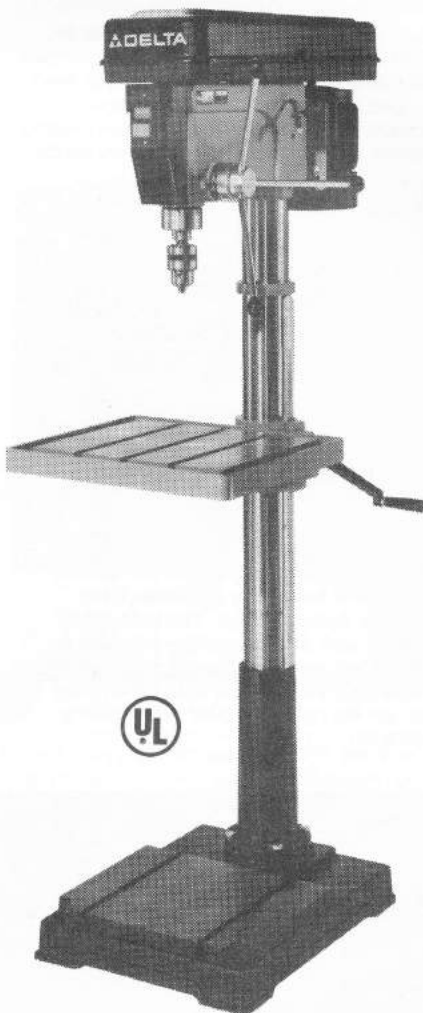
The quill with internal #3 Morse Taper accepts tapered drill press accessories and the standard equipment spindle adapter required for mounting 3-jaw chuck.

Other features include the production sized tilting table with coolant trough and clamping slots, rack and pinion table raising/lowering system, quick release motor mount and more! Review the capacities and benefits the Delta 20" Drill Press has to offer, add an economical price and see if it isn't the perfect tool for you.

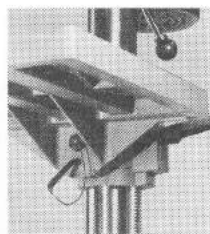
Catalog Listing



Model No. 70-201 20" Drill Press.
Includes basic unit with 1 HP, single phase, 115/230V induction motor, pulleys, belts and control; 0-5/8" capacity chuck and key, rack and pinion type table mechanism and instruction manual. 345 lbs.



Rack and pinion design facilitates table raising and lowering.



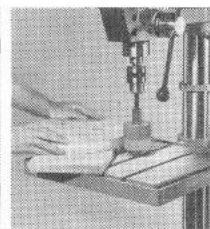
A built-in locking pin aligns the table 90° to the column.



The production sized table tilts up to 45° left and right for angle drilling.



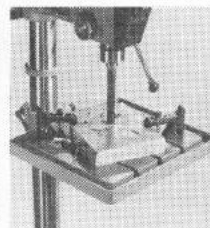
Tapered bits can be fitted directly into the spindle or mounted using the 3-jaw chuck.



High speed options allow the use of sanding accessories for finishing operations.



A quick release motor mount loosens belt tension for fast and easy speed changing. A reference chart clearly shows desired belt positioning.



Slow speed options and coolant trough make easy work of metal drilling. Note integral clamping slots in table.

Features

- Tapered drill press accessories can be used directly mounted onto the #3 Morse Taper spindle.
- A position locking depth stop facilitates repetitive drilling work.
- Nine speed options assure superior drilling in a wide variety of materials from hard and soft woods to plastics and metals.
- Pre-drilled base mounting holes.

Machine Data

Motor	1 HP, 1 Phase, 115/230V, 60 Hz, 1720 RPM
Motor Control	Upfront pushbutton
Spindle Speeds	9 (150, 260, 300, 440, 490, 540, 1150, 1550, 2200)
Table	Cast iron, production type, with clamping slots and coolant trough
Table Size	18 3/8" x 16 1/8" (466.73 x 409.58 mm)
Table Tilt	0-45° Left and Right
Base Surface	22 3/4" x 17 3/4" (577.85 x 450.85 mm)
Column Diameter	3 5/8" (91.95 mm)
Spindle	# 3 Morse Taper

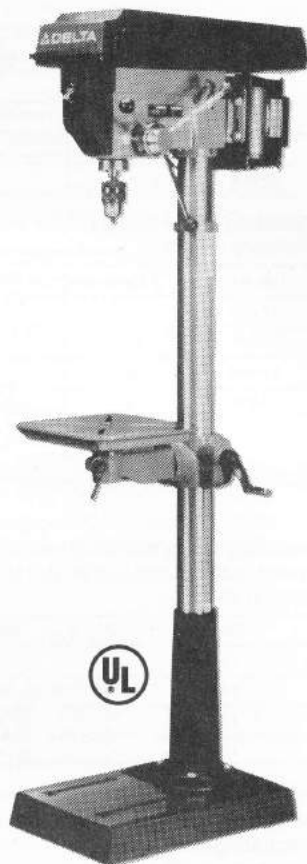
Quill:	
Diameter	27/16" (61.91 mm)
Stroke	4.72" (120 mm)
Capacities:	
Key Chuck	0-5/8" (0-15.88 mm)
Chuck to table	24 1/2" (622.3 mm)
Chuck to base	44" (1117.6 mm)
Max. dia. in steel	1" (25.4 mm)
Max. dia. in cast iron	1 1/8" (28.5 mm)
Overall Dimensions:	18 1/2" wide x 34" deep x 67" high (469.9 x 863.6 x 1701.8 mm)

Delta 16½" Drill Press

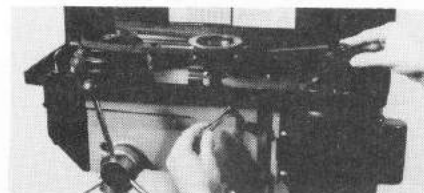
Premium Quality. Economical Price.

An excellent choice for everything from general-purpose to high-volume drilling operations.

- Full ¾ HP, single phase induction motor for long-lasting, smooth performance
- Pivoting motor mount to maintain correct belt tension, facilitate speed changes
- 6-spline spindle for efficient torque transmission
- Adjustable, position locking depth stop for accurate depth measurement and repetitive drilling
- Swivel-type 12" x 12" tilting table with side ledges and diagonal slots for fast clamping of work
- Removable on-off toggle switch to prevent unauthorized use of machine
- Full belt guard for operator safety
- Three-spoke pilot wheel for operating convenience.



Delta Quality Features



Twelve Spindle Speeds. The right speed, from 250 to 3000 rpm, to handle a wide variety of drilling operations. Handy drill speed chart simplifies speed selection.

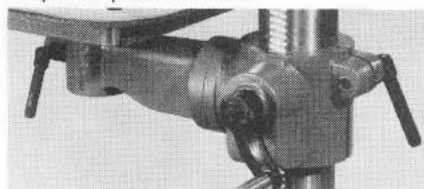
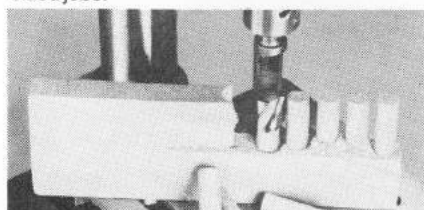


Table Raising and Lowering Mechanism. Included as standard equipment. Facilitates positioning of drill press table to suit different sized jobs.



Low Cost Accessories. Increase flexibility; permit you to do many extra jobs including mortising, sanding, plug and dowel cutting.

Catalog Listing



No. 17-900 16½" Drill Press. Includes ¾ HP, 115/230 V*, 60 Hz., single phase motor; toggle switch, table raising mechanism, 0-5/8" capacity key chuck with taper shank adapter, chuck key, belts and pulleys. 194 lbs.

* Accessory Switch P/N 438-01-017-0141 required for 230V operation.

Machine Data

Capacities:

Key chuck (w/std. Jacobs #33 taper; #2MT adapter)	0 to 5/8" (0 to 15.9 mm)
Diameter hole in cast iron	5/8" (15.9 mm)
Diameter hole in steel	5/8" (15.9 mm)
Chuck to table (max.)	27" (685.8 mm)
Chuck to base (max.)	47" (1193.8 mm)
Quill:	
Stroke	3.35" (85 mm)
Diameter	2.047" (52 mm)

Spindle Speeds:

With 1720 RPM motor 12—250, 360, 410, 540, 590, 650, 1090, 1280, 1450, 1820, 2180, 3000 RPM

Column Diameter 3.15" (80 mm)

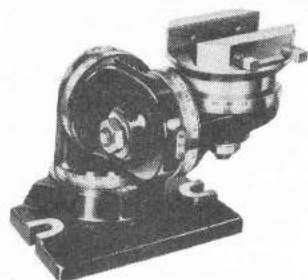
Table Working Surface 12" x 12" (304.8 x 304.8 mm)

Base Working Surface 10¼" x 11½" (260.35 x 292.1 mm)

Overall Dimensions:

Width	12¾" (323.85 mm)
Front to rear	25¼" (641.35 mm)
Height	66" (1676.4 mm)

Accessories for All Delta Drill Presses



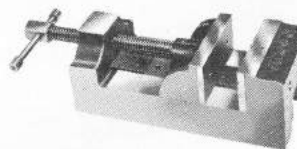
No. 24-902 Univise. First truly universal vise for grinding, drilling and milling. Can be set at any angle desired. Vise can be returned exactly to its original setting for duplicate grinding. Each station has a 360° circular scale. 16 lbs.

Handy, Quick-Set Vises. Raise to any angle. Side of vise accurately graduated for angle work. Accurately machined with base, body and sliding jaws of semi-steel—clamping jaws of hardened steel. Clamping screw has fine pitched thread and long bearing in vise body.



Number	Jaw	Opening	Length	Ship. Wt.
115-024	1 x 1½"	1½"	4½"	4 lbs.
15-025	1 x 1½"	1½"	4½"	6½ lbs.
15-026	1½ x 2½"	2½"	6¼"	9 lbs.

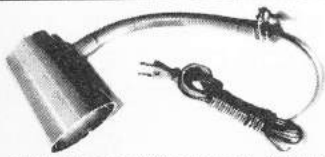
†No. 15-024 same as No. 15-025 but without raising feature.



No. 20-620 4" Drill Press Vise with steel jaw plates. Plate for fixed jaw has vertical and horizontal grooves for holding round pieces. Recommended for drilling, tapping, milling, bench work and other operations. Vise is machined so that it can be placed in the normal position, on either side, or it can be stood up on end. 19 lbs.

Number	Jaw	Opening	Length	Ship. Wt.
20-620	1¾ x 4"	4"	10¾"	19 lbs.

Continued on next page



No. 25-858 Lamp Attachment, for 115 V. Includes 9" flexible gooseneck, reflector and 8-foot cord with plug. Uses standard bulb (not included) up to 40 watts. 2 lbs.



Plug Cutters. Used for making wood plugs and dowels. 1/2 x 2" shank, barrel 2 1/4" long. Cuts plugs 2" thick and dowels 2" long.

No. 15-534 3/8" dia. **No. 15-537** 3/4" dia.

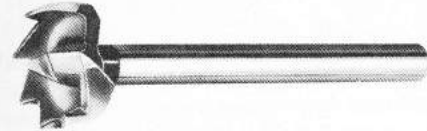
No. 15-535 1/2" dia. **No. 15-539** 1" dia.

No. 15-536 5/8" dia.

No. 15-542. Complete set of 5 plug cutters, 2 1/2 lbs.

Spur Bits

For drilling wood and wood by-products. High-speed tool steel. Multiple outlining spurs bore clean holes without chipping or splintering the surface. Perfect for boring through veneers. Also excellent for boring overlapping or close center holes. Bits larger than 3" diameter have replaceable brad points.



Individual Spur Bits

Catalog Number	Diameter	Shank		Overall Length
		Diameter	Length	
15-580	1/2"	1/2"	2 1/2"	5 5/8"
15-581	5/8"	1/2"	5 1/4"	5 3/4"
15-582	3/4"	1/2"	5 1/4"	5 3/4"
15-583	7/8"	1/2"	5 1/4"	5 3/4"
15-584	1"	1/2"	5 1/4"	5 3/4"
15-585	1 1/8"	1/2"	5 1/4"	5 7/8"
15-586	1 1/4"	1/2"	5 1/4"	5 7/8"
15-587	1 3/8"	1/2"	5 1/4"	5 11/16"
15-588	1 1/2"	1/2"	5 1/4"	5 11/16"
15-589	1 5/8"	1/2"	5 1/4"	5 11/16"
15-590	1 3/4"	1/2"	5 1/4"	6"
15-591	1 7/8"	1/2"	5 1/4"	6"
15-592	2"	1/2"	5 1/4"	6"
15-593	2 1/8"	1/2"	5 1/4"	6 3/16"
15-594	2 1/4"	1/2"	3"	6 3/16"
15-595	2 1/2"	1/2"	3"	6 3/16"
15-596	2 3/4"	1/2"	3"	6 3/16"
15-597	3"	1/2"	3"	6 3/16"
15-598	3 1/2"	3/4"	3 1/4"	6 1/4"
15-599	4"	3/4"	3 1/4"	6 1/4"

Replaceable Brad Points for Spur Bits

No. 15-578 Brad Point for 3 1/2" diameter Spur Bit No. 15-598.

No. 15-579 Brad Point for 4" diameter Spur Bit No. 15-599.

Mortising Chisels. Production type. Made of selected steel. All with 5/8" diameter x 1 1/2" shank.

Cat. No.	Size	Depth Capacity
17-912	1/4" x 1/4"	1 7/8"
17-913	5/16" x 5/16"	1 7/8"
17-914	3/8" x 3/8"	3"
17-915	1/2" x 1/2"	3"

Mortising Bits. Package of 2. For use with mortising chisels.

Cat. No.	Size	Shank Size
17-916	1/4"	1 1/4"
17-917	5/16"	1 5/16"
17-918	3/8"	1 7/8"
17-919	1/2"	2 5/16"



Mortising Chisel and Bit Sets. Includes mortising chisel and one (1) mortising bit as detailed above.

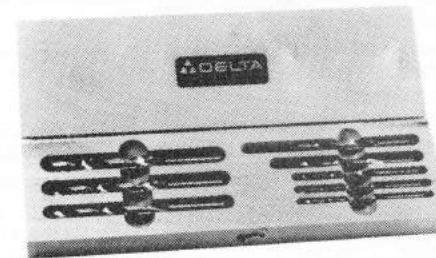
Cat. No.	Size
17-908	1/4" x 1/4"
17-909	5/16" x 5/16"
17-910	3/8" x 3/8"
17-911	1/2" x 1/2"

Brad Point Drill Bits

Brad points prevent "walking" when penetrating work surface. Double outlining spurs cut wood fibers, assuring clean boring without chipping or splintering work surface. Ideal for boring through veneers.



Catalog Number	Diameter	Shank		Twist Length	Overall Length
		Diameter	Length		
15-665	1/8"	1/8"	1 1/4"	1 1/2"	2 7/8"
15-666	3/16"	3/16"	1 1/4"	1 1/2"	3 3/8"
15-667	1/4"	1/4"	1 1/4"	1 1/2"	4 3/8"
15-668	5/16"	5/16"	1 1/4"	1 1/2"	4 3/8"
15-669	3/8"	3/8"	1 1/4"	1 1/2"	4 3/8"
15-670	7/16"	7/16"	1 1/4"	1 1/2"	4 3/8"
15-671	1/2"	1/2"	1 1/4"	1 1/2"	4 3/8"
15-672	5/8"	1/2"	2"	4"	6"
15-673	3/4"	1/2"	2"	4"	6"
15-674	7/8"	1/2"	2"	4"	6"
15-675	1"	1/2"	2"	4"	6"



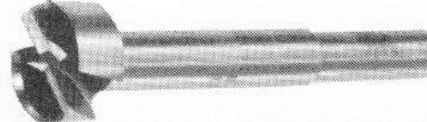
No. 15-660 12-Piece Brad Point Drill Set 1/8" through 1" diameter bits per chart. Packed in sturdy wood storage case.

No. 15-661 8-Piece Brad Point Drill Set 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" and 3/4" diameter bits. Packed in sturdy wood storage case.

No. 15-662 5-Piece Brad Point Drill Set 1/4", 5/16", 3/8", 7/16" and 1/2" diameter bits. Packed in plastic case.

Forstner Style Drill Bits

Unlike other type bits, Forstner bits are guided by their outer edges instead of a point, enabling users to efficiently handle a wide range of drilling jobs. Drill thru-holes at any angle; drill off the edge. Enlarge existing holes. Drill overlapping holes, pocked holes and more.



Catalog Number	Diameter	Shank		Overall Length
		Diameter	Length	
15-640	3/8"	3/8"	1 1/4"	3 1/2"
15-641	1/2"	3/8"	1 1/4"	3 1/2"
15-642	5/8"	3/8"	1 1/4"	3 1/2"
15-643	3/4"	3/8"	1 1/4"	3 1/2"
15-644	7/8"	3/8"	1 1/4"	3 1/2"
15-645	1"	3/8"	1 1/4"	3 1/2"
15-646	1 1/8"	3/8"	1 1/4"	3 1/2"
15-647	1 1/4"	3/8"	1 1/4"	3 1/2"
15-648	1 3/8"	3/8"	1 1/4"	3 1/2"
15-649	1 1/2"	3/8"	1 1/4"	3 1/2"
15-650	1 5/8"	3/8"	1 1/4"	3 1/2"
15-651	1 3/4"	3/8"	1 1/4"	3 1/2"
15-652	1 7/8"	3/8"	1 1/4"	3 1/2"
15-653	2"	3/8"	1 1/4"	3 1/2"

No. 15-654 6-Piece Forstner Style Drill Bit Set. 3/8" through 1" diameter per chart above. Complete with handy wood storage case.

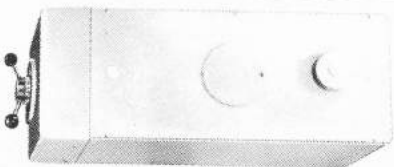
Sanding Drums and Abrasive Sleeves

Expandable type. Rubber sections that make up these drums are separated from each other by bakelite washers, with non-corrosive metal busings next to the arbor. Disks expand uniformly, run dead true; produce exacting work.



Sanding Drums Includes 1 Abrasive Sleeve				Abrasive Sleeves Package of Six	
Cat. No.	Dia.	Lgth.	Mtg.	Cat. No.	Grit
46-038	3"	3"	1/2" Hole	46-138	40G Garnet
				46-832	60G Garnet
				46-338	50G Al. Oxide
46-538	1 3/4"	2"	1/2" Hole	46-638	40G Garnet
				46-837	60G Garnet
				46-838	50G Al. Oxide
46-048	1 1/8"	2 1/2"	1/2" Shank	46-841	50G Garnet
				46-248	80G Garnet
				46-847	50G Al. Oxide

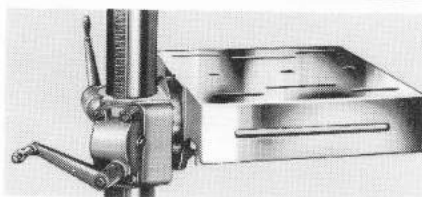
For Series 2000 20" and 17" Drill Presses



No. 17-822 Belt Guard Top Cover Plate. For Variable Speed (Spring Pulley Type) Drill Presses. Includes two oil hole plugs, cover plate for column hole and screws for mounting. 9 lbs.

No. 17-820 Drill Chuck. 3-jaw type, 0-1/2" capacity, with No. 3 M.T. shank. Includes 65-104 chuck key. Use with straight shank drills in Delta 20" Drill Press with No. 3 M.T. spindle. When used with Delta 17" Drill Press, the No. 17-880 Spindle is required. 3 lbs.

For Series 2000 20" Drilling Machines



No. 20-660 Tilting Table. Table top and one side are finished to plane surfaces at right angles to one another. Tilts 90°, right and left. Ground work surface 16" front to back by 18" left to right, slotted, with tilt angle scale. Without 20-661 Raising Mechanism. For single spindle floor model drill press. 97 lbs.

No. 20-650 Production Table. 15 x 18" ground work surface (including coolant trough, 19 1/4 x 22"). With 4 diagonal and 2 parallel blind T-slots for 1/2" bolts. Without 20-661 Raising Mechanism. For single spindle floor model drill presses. 112 lbs.

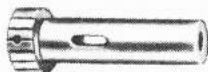
No. 20-661 Raising Mechanism. For head or table of 20" Drill Press. Fits Tables 20-660 and 20-650. Includes ball bearing thrust collar, rack, gear assembly and crank. 19 lbs.

No. 17-836 Booster Spindle Return Spring Kit. Includes clock spring with case, pinion shaft stub extension and instructions for field mounting on hand or power feed machines. Provides about 80 pounds of lift when used with the standard equipment spring. It is especially recommended when multiple spindle heads, tapping heads or other heavy tooling is mounted on quill or spindle of machine. 2 lbs.

For 17" (Key Chuck) "6 PLUS 6" and "VS6" 15" and Ram Type Radial Drill Presses

No. 15-830 Drill Chuck. Key chuck, 0-1/2" capacity with standard Jacobs #33 taper, 3-jaw type, with threaded mounting collar and 65-104 key. 1 1/2 lbs.

Spindle Adapters— all have standard Jacobs #33 Taper
Adapters cannot be used with old style Delta 17" Drill Presses. Fit only 1/2" Key Chuck models with 1 1/16"—20 threaded spindle nose.



No. 15-832 Adapter with No. 1 M.T. hole, with threaded mounting collar. 2 lbs.



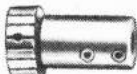
No. 15-833 Adapter with No. 2 M.T. hole, with threaded mounting collar. 1 lb.



No. 15-835 Adapter, 1/2" shaft and flange. For cup, dish or straight grinding wheels. With mounting collar tapped 1 1/16"—20. 1 lb. *NOTE: Not suitable for use with Ram Type Radial Drill Press.*



No. 15-836 Adapter with collars and threaded mounting collar for shaper cutters with 1/2" hole. 1 lb. *NOTE: Not suitable for use with Ram Type Radial Drill Press.*



No. 15-837 Adapter, 1/2" hole, with threaded mounting collar for router and spur bits, etc. 1 lb.



No. 15-838 Spanner Wrench. 1 1/2 x 5 3/4" long, with single lug for 7/32" hole. Recommended for threaded mounting collar of Drill Chuck 15-830 or Adapters 15-832, 15-833, 15-835, 15-836 and 15-837. 1/4 lb.

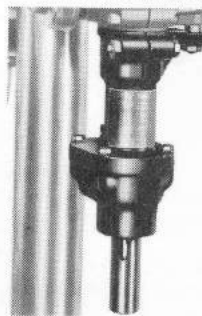
For 17" Drill Presses

No. 46-968 Drill Chuck. 3-jaw type, 0 to 1/2" capacity, with No. 2 M.T. shank. Includes 65-104 chuck key. 2 1/2 lbs.

No. 17-825 Production Table, 12 1/2 x 17" ground work surface (including coolant trough, 16 x 20 1/2"), with two parallel T-slots for 1/2" T-bolts. Slots are on 9" centers and run from front to back. Table has 1 1/2" coolant trough with one 3/4" pipe tap drain hole at left rear corner. Tilts 17° right and left and fits standard bracket on floor type, single spindle drill presses. 58 lbs.

No. 17-829 Standard Tilting Table (less Column Bracket Assembly). 11 x 14" ground surface. Ledges at sides and slots make clamping of work easy. Tilts 90° both right and left. 12 lbs.

No. 17-801 Raising Mechanism, for head or table. Includes worm shaft, compound worm gear and pinion, crank handle, rack, thrust ball bearing and column collar. 10 lbs.



No. 17-860 Slo-Speed Attachment. Provides 4.7 to 1 speed reduction for spot facing, reaming, counterboring, core drilling, etc. Fits No. 2 M.T. spindle models only. Speed range with the attachment on drill press, 75 to 475 RPM. These slow speeds are in addition to

the regular speeds obtained when the Slo-Speed Attachment is not on the drill press. Spindle travel with this attachment is 4".

No. 17-836 Booster Spindle Return Spring Kit recommended for use with this Slo-Speed Attachment. 10 lbs.

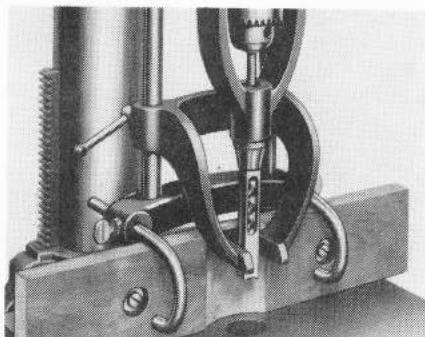


No. 17-880 Spindle, No. 3 M.T., with bearings. Includes instructions for installing on any model of Delta 17" Drill Press. 3 lbs.

No. 17-881 Spindle. Same as 17-880 except No. 2 M.T. 3 lbs.

No. 17-882 Spindle. Same as 17-880 except has Jacobs No. 33 male taper with 1 1/16"—20 threaded collar to accept Delta Spindle Adapters.

No. 17-836 Booster Spindle Return Spring Kit. For 17" Drill Presses Serial No. 137-5800 and higher. It provides about 80 pounds lift when used with the standard spring. Especially recommended for use with the 17-860 Slo-Speed Attachment or when any heavy tooling like multiple spindle heads or tapping chucks are mounted on the quill or spindle of the machine. Includes clock spring, pinion shaft extension and instructions for field mounting. 2 lbs.



No. 17-381 Mortising Attachment. Fits 17" Drill Presses equipped with 17-882 Spindle and 15-830 Drill Chuck only. Consists of a heavy fence bolted to the drill press table. Two hooked rods hold work against fence and an adjustable hold-down keeps the work from being raised when the chisel is withdrawn. Capacity under hold-down—6 1/2", from ends of hooked rods to fence—2 1/2". 19 lbs.

Speed Changing Parts

No. 17-391 Parts for converting drill press from Slo-Speed to High Speed model. Consists of high speed pulleys and 49-051 belt. 7 lbs.

No. 17-862 Parts for converting drill press from High Speed to Slo-Speed model. Consists of slo-speed pulleys and 49-025 belt. 10 lbs.

Motor Pulleys

No. 41-815 5-Step for Slo-Spd. $\frac{7}{8}$ " bore. 3 lbs.

No. 41-825 5-Step for Hi-Spd. $\frac{7}{8}$ " bore. 3 lbs.

Motor Pulley Assemblies

No. 41-964 Variable Spd. Type. $\frac{3}{4}$ " bore. 8 lbs.

No. 41-965 Variable Spd. Type. $\frac{7}{8}$ " bore. 8 lbs.

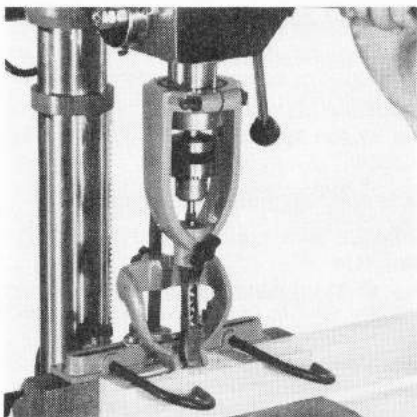
Belts

No. 49-051 V-belt, 51 $\frac{1}{8}$ " OC, for High Speed model. $\frac{1}{2}$ lb.

No. 49-025 V-belt, 54 $\frac{1}{8}$ " OC, for Slo-Speed model. $\frac{1}{2}$ lb.

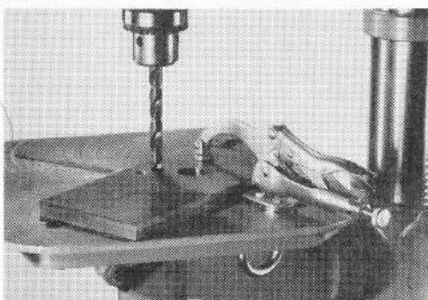
No. 49-159 Vari. Spd. Belt, 55" OC. 1 $\frac{1}{2}$ lbs.

For 16 $\frac{1}{2}$ " Drill Press



No. 17-905 Mortising Attachment. Fits Delta Model 17-900 16 $\frac{1}{2}$ " Drill Press and all other models with 2.6" (66mm) or 1.89" (48mm) diameter quills. Includes chisel holder, base, fence and holdown bracket. Capacity under hold-down—4"; ends of hooked rods to fence—4". Mortising chisels and bits must be ordered separately.

Delta Vise Clamps



Quick setting drill press work hold-downs. Lever-lock type with micrometer dial tension adjustment and swivel foot design. For fast, easy clamping of work to drill press table. Fits Delta Model 17-900 Drill Press and other models with similar thru-slotted tables.

No. 17-921 6" Vise Clamp. 4" x 2 $\frac{3}{4}$ " capacity.

No. 17-922 9" Vise Clamp. 4 $\frac{1}{2}$ " x 4" capacity.

For "6 PLUS 6" and "VS6" 15" Drill Presses

No. 15-010 Collar. Head or table support. For 2 $\frac{3}{4}$ " diameter column. 2 lbs.

No. 15-809 Tilting Table. 11 x 14" ground surface, complete with column bracket. Ledges at sides and slots make clamping of work easy. Tilt angle scale indicates to 90° both right and left. Fits any 15" drill press with 2 $\frac{3}{4}$ " column. 37 lbs.

No. 15-801 Table. 10 x 10 $\frac{1}{2}$ " ground surface, non-tilting type, with integral column bracket. Ledges at sides and slots make clamping of work easy. Holes on front apron facilitate work or fixture mounting. Fits any 15" drill press with 2 $\frac{3}{4}$ " column. 22 lbs.

No. 15-850 Production Table. 12 x 18" ground work surface (including coolant trough, 15 $\frac{1}{2}$ x 21 $\frac{1}{2}$ "), for single spindle floor model drill presses (without 15-008 Raising Mechanism). 76 lbs.

No. 15-009 Table Raising Mechanism for 15-809 Standard Tilting Table on 15" Drill Presses. Can also be used with 15-801 Non-Tilt Table. 9 lbs.

No. 15-008 Raising Mechanism. For 15-850 Production Table. Includes rack, collar and bearing. 10 lbs.

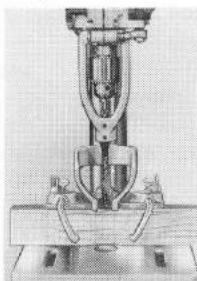
No. 15-030 Head Counterbalance Attachment. Complete assembly including spring, chain, column top casting, ball bearing roller and screws. Cannot be used with columns shorter than 38 $\frac{3}{4}$ ". 9 lbs.

No. 15-825 Full Belt and Pulley Guard.

For step-pulley models only. Encloses spindle pulley, V-belt and motor pulley. 9 lbs.

No. 15-840 Mortising Attachment.

This attachment converts the 15" Drill Press into an accurate mortising machine. Capacity under hold-down—4 $\frac{3}{4}$ ", from ends of hooked rods to fence—2 $\frac{3}{4}$ ". Used with key chuck models only. Includes fence with mounting bolts, hooked rods, hold-down and chisel holder. 8 $\frac{1}{2}$ lbs.



Multi-Speed Attachments

Especially recommended for jobs like spot facing, counterboring, reaming and core drilling.



No. 15-802 Multi-Speed Attachment. For 6-step pulley models. Provides eight speeds from 125 RPM to 5800 RPM with 1725 RPM motor or 85 to 3800 RPM with 1140 RPM motor. Includes motor pulley with $\frac{1}{2}$ " bore. 7 lbs.

No. 15-803 Multi-Speed Attachment. For 6-step pulley models. Same as 15-802 except motor pulley has $\frac{5}{8}$ " bore. 7 lbs.

No. 15-846 Belt Guard Top Cover Plate. For 15" Variable Speed (Spring Pulley type) Drill Presses. Includes hole plugs and screws for mounting. 4 lbs.

Motor Pulleys

No. 41-832 6-Step. $\frac{1}{2}$ " bore. 3 $\frac{1}{2}$ lbs.

No. 41-833 6-Step. $\frac{5}{8}$ " bore. 3 $\frac{1}{2}$ lbs.

Motor Pulley Assemblies

No. 41-952 Variable Speed Type, with spring, $\frac{1}{2}$ " bore. 6 lbs.

No. 41-953 Variable Speed Type, with spring, $\frac{5}{8}$ " bore. 6 lbs.

Belts

No. 49-091 V-belt. 26 $\frac{1}{4}$ " OC, rear, for No. 15-802 Multi-Speed Attachment. 1 $\frac{1}{2}$ lbs.

No. 49-092 V-belt. 34 $\frac{3}{8}$ " OC, front, for No. 15-802 Multi-Speed Attachment. 1 $\frac{1}{2}$ lbs.

No. 49-093 V-belt. 6-step pulley type, 44 $\frac{1}{2}$ " OC. 1 $\frac{1}{2}$ lbs.

No. 49-415 Belt. Variable speed type, 45 $\frac{5}{8}$ " OC. 1 lb.

For Ram Type Radial Drill Press

Key Chuck

No. 46-968 Drill Chuck. 3-jaw type, 0 to $\frac{1}{2}$ " capacity, with No. 2 M.T. shank. Includes chuck key. 2 $\frac{1}{2}$ lbs.

No. 25-857 Lamp Attachment, for 115 V. Includes 18" flexible gooseneck, reflector and 8-foot cord with 3-prong plug. Uses standard bulb (not included) up to 100 watts. 3 lbs.

Motor Pulley

No. 41-703 Four-Step. $\frac{5}{8}$ " bore. 1 lb.

Belts

No. 49-287 V-Belt, 31 $\frac{1}{8}$ " OC, for Ram Type Radial Drill Presses (rear belt). $\frac{1}{2}$ lb.

No. 49-105 V-Belt, 30 $\frac{1}{8}$ " OC, for Ram Type Radial Drill Presses (front belt). $\frac{1}{2}$ lb.



Delta Abrasive Finishing Machines

6" x 132" Edge Sander—big capacity for fast, efficient straight and bevel edge sanding with added ability to handle contour sanding jobs.

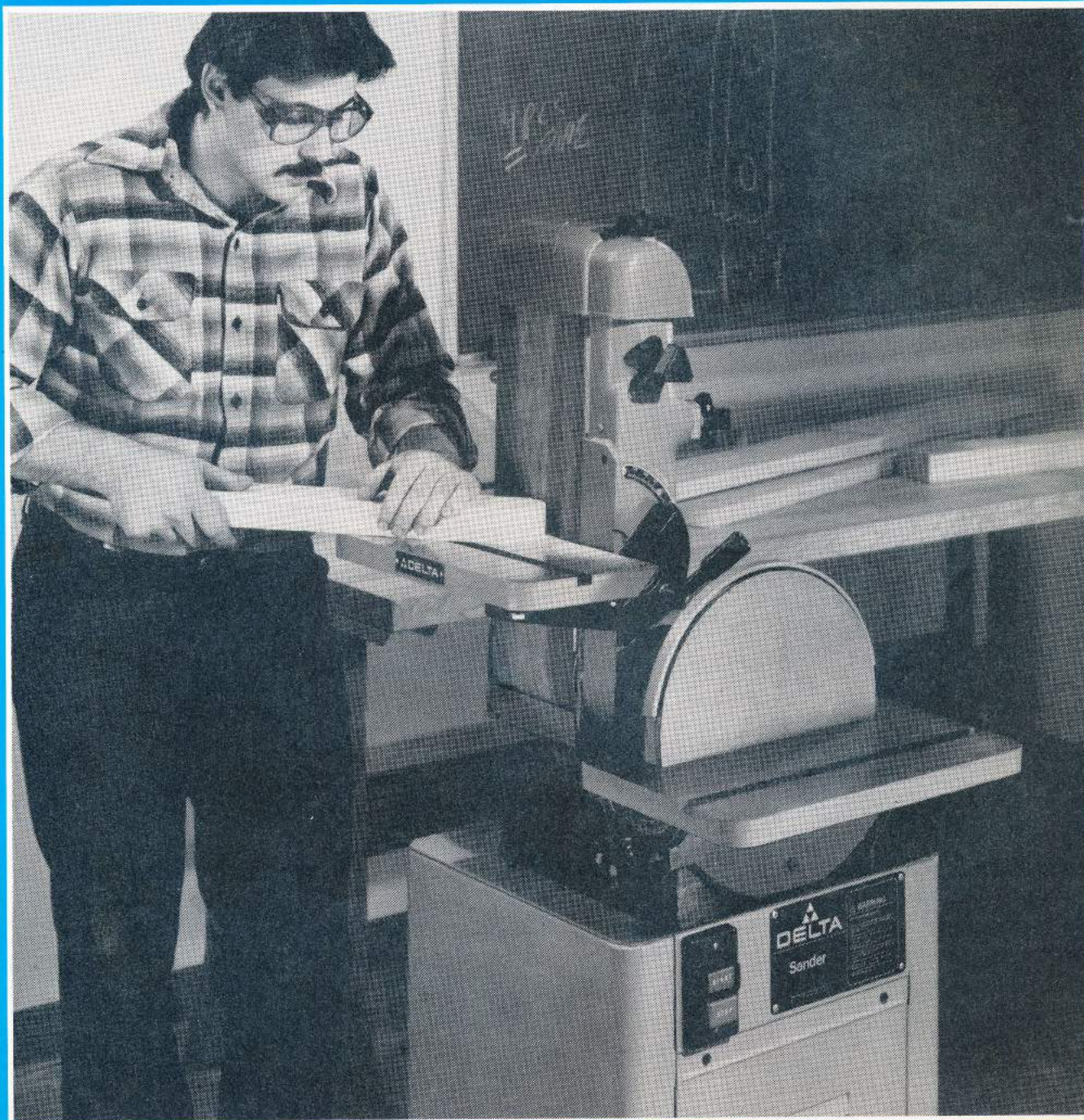
4" x 132" Edge Sander—a dual-duty sander. For edge and profile form sanding.

6" Abrasive Belt—a machine that offers exceptional versatility combined with high efficiency.

12" Abrasive Disc—gives you fine finishes fast whether in the pattern shop or on the production line.

6" Belt & 12" Combination—a custom or production abrasive finishing machine in a single compact unit that saves time, save space, saves cost.

1" Belt/8" Disc Combination—does the work of many machines—sands, finishes, contours, grinds, sharpens, deburrs.



Delta 6" x 132" Edge Sander

Big Belt Capacity For Fast, Efficient Straight and Bevel Edge Sanding, with the Added Ability to Handle Contour Sanding Jobs.

If you're in the market for a sander whether for round-the-clock heavy stock removal or light occasional work; for use in a small custom cabinet shop or large, production furniture manufacturing plant — consider the Delta 6" x 132" Edge Sander. With its contour sanding capabilities — it's a unit you **can** afford and justify!

Big belt capacity coupled with extra-long platens and large work support tables, plus the muscle of a 2 or 3 HP motor, make quick work of even the largest straight or bevel edge-finishing job.

And, it has the ability to do irregular shape edge-sanding and contour sanding, utilizing the standard equipment 3", 2" and 1½" diameter sanding drums and auxiliary table — at no extra cost!

With features like bias tilting front table to utilize the full width of the belt's abrasive surface, graphite padded platens to reduce friction and extend belt life, automatic belt tensioning mechanism with convenient single knob belt tracking, and more — operation of the Delta 6" x 132" Edge Sander is easy and virtually mistake-proof and the sanding results, consistent and predictable.



Catalog Listing

No. 31-390 6" x 132" Edge Sander. Includes 2 HP, 230V, 60 Hertz, single phase motor with LVC 24V, push button station, magnetic starter, transformer and overload protection; steel legs, 2 graphite padded platens; two 12" x 60" laminate coated tables, 12" x 20" laminate coated auxiliary table; 3", 2" and 1½" dia. x 3" sanding drums with ½" dia. mounting spindle and one each Aluminum Oxide 80 G., medium abrasive sleeves; sealed ball-bearing

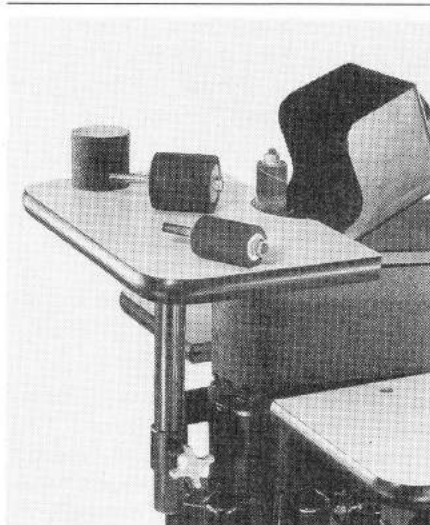
idler pulley and rubber contact motor pulley, belt guard with hinged end-caps. Aluminum Oxide 80 G. medium abrasive belt and instruction manual.

No. 31-391 6" x 132" Edge Sander. Same as listed above except with 3 HP, 230/460V (wired 230V), 60 Hertz, three phase motor with LVC 24 volt, push button station, magnetic starter, transformer and overload protection.

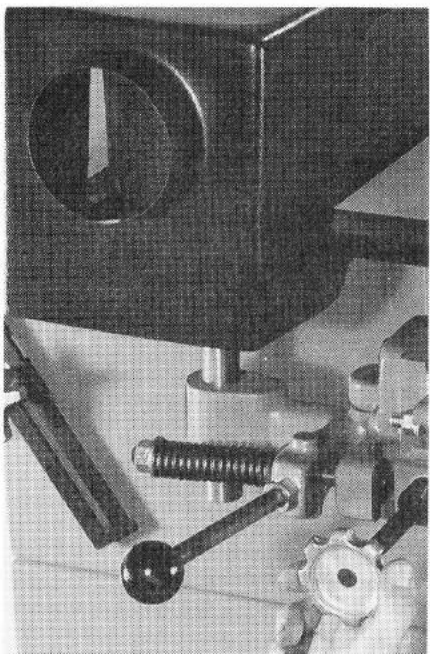
Machine Specifications

Motor (TEFC)	2 HP, 230V, 60 Hz., single phase 3 HP 230/460V, (wired 230V), 60 Hz., three phase
Motor Control	24V Low Voltage Control (LVC)
Belt:	
Size	6" x 132" (152.4 x 3352.8 mm)
Speed	3000 SF/M (909 SM/M)
Platen Sizes:	
Front	6¾" x 50" (171.5 x 1270 mm)
Back	6¾" x 38¾" (171.5 x 971.55 mm)
Table Size:	
Front & Back	12" x 60" (304.8 x 1524 mm)
Auxiliary	12" x 20" (304.8 x 508 mm)
Table Movement:	
Front	Bias tilts 10° across platen
Back	Tilts 45° in
Auxiliary	Raises 14" (355.6 mm); adjusts in 2½" (63.5 mm) / out 3" (76.2 mm)
Pulley Diameter:	
Drive:	6" (152.4 mm)
Idler:	5½" (139.18 mm)
Sanding Drums	1½", 2", and 3" Dia. x 3" (38.1, 50.8 & 76.2 x 76.2 mm)
Dust Collection Spouts	¾" Dia. (98.6 mm)
Overall Dimensions	
Height	43" (1092.2 mm)
Width	77" (1955.8 mm)
Depth	34" (863.6 mm)
Net Weight:	375 lbs. (170.4 kg.)

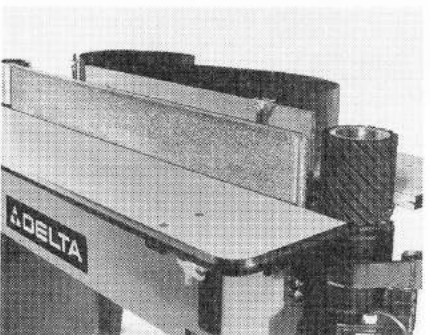
Quality Features



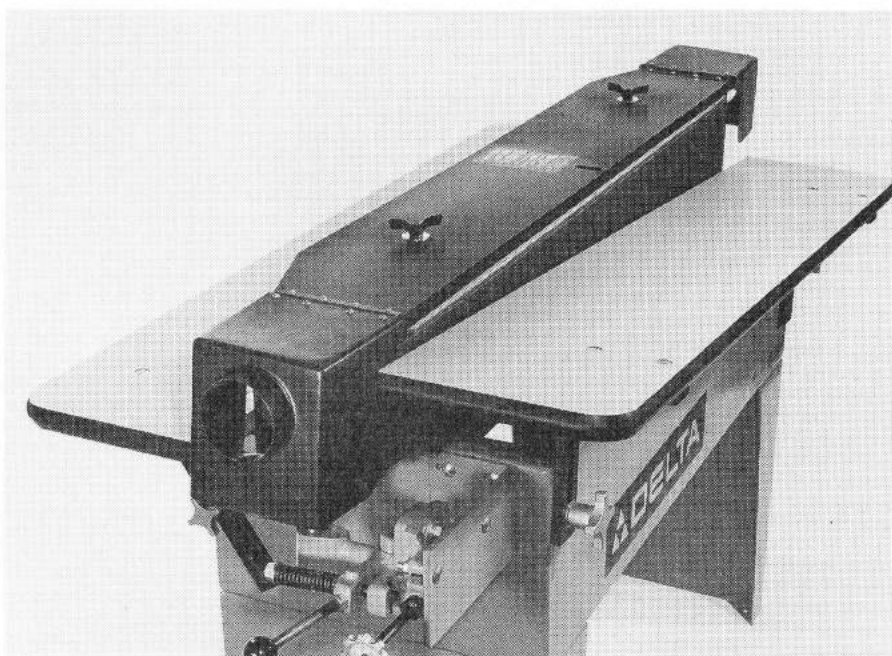
Sanding drums included as standard equipment, can be mounted to drive pulley for contour sanding operations. Auxiliary table raises; adjusts in and out to provide needed work support.



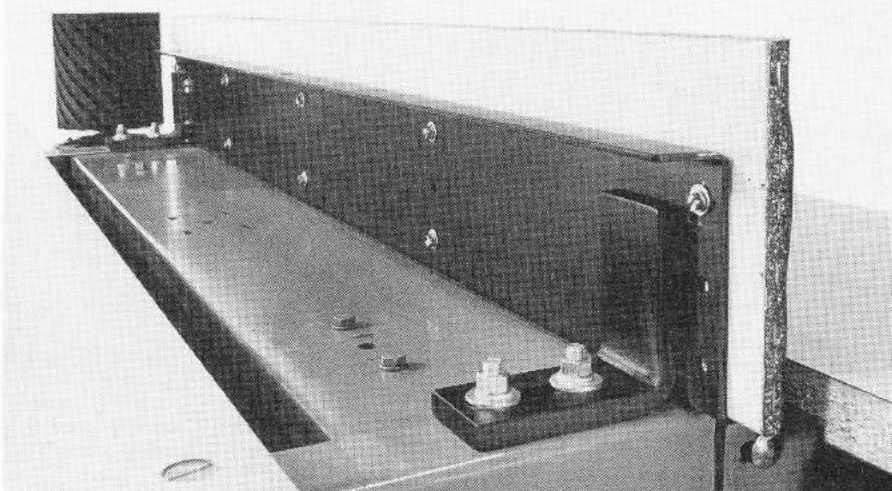
Belt tracking is easily controlled with a single star wheel control; spring-loaded idler pulley mechanism automatically applies proper belt tension.



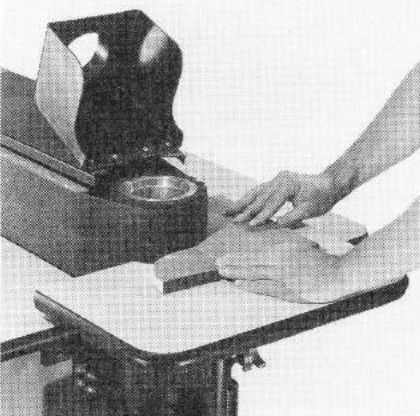
Graphite pads help reduce platen/belt friction; belts run faster, smoother; last longer.



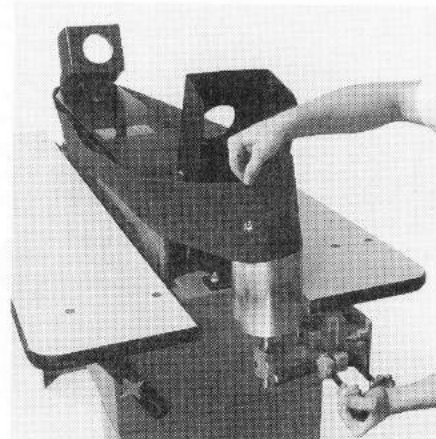
Front table bias tilts and/or raises to utilize full width of belt for longer belt life. Rear table tilts in up to 45° for bevel edge sanding. Both tables measure a full 12" x 60" for maximum work support.



Extra-long platens are supported by rigid "L" shaped brackets at both ends to maintain perfect right angle setting for accurate edge sanding.



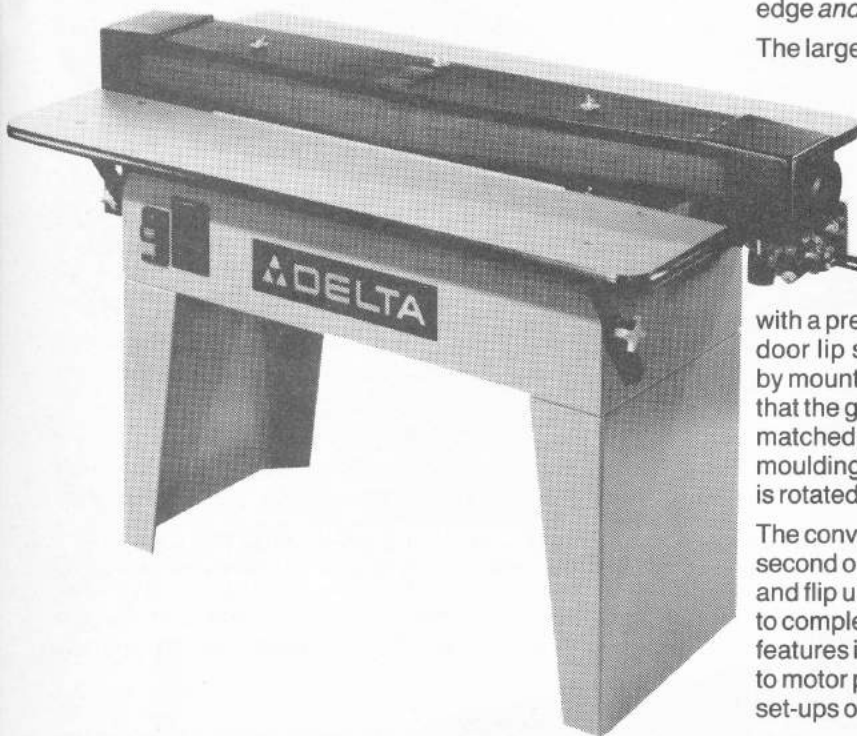
Drive pulley can be used for edge sanding irregular shapes. Special rubber contact surface is serrated to assure positive grip; maximum power transmission from motor to belt.



Single belt tension release lever and hinged belt guard end-caps make belt changing a fast and easy operation; minimizing production down-time.

Delta 4" x 132" Edge Sander

Dual-Duty Sander For Edge and Profile Form Sanding



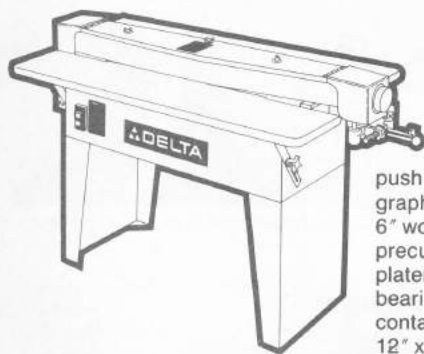
The 4 x 132" Edge Sander from Delta offers cabinet and countertop shops, furniture manufacturers, window fabricators, schools and other related industries precision edge and profile sanding capabilities in a single unit.

The large work support area and extra long 50" straight sanding platen make easy work of even the largest edge-finishing jobs. For extended belt life, the straight platen is fitted with a replaceable graphite pad to reduce friction. The straight sanding table bias tilts to utilize the full width of the belt while maintaining a 90° relationship with the sanding surface.

The Delta Edge Sander comes complete with a pre-cut 1" bead form platen for light radius or door lip sanding. Custom form platens can be created by mounting a rough cut profile and reversing the belt so that the grit side faces the new platen block. A perfectly matched form is then achieved by pressing a finished moulding against the belt and platen as the sanding belt is rotated.

The convenience in the design of the Delta Edge Sander is second only to its versatility. The spring loaded idler pulley and flip up dust spouts on the dust guard make it possible to complete belt changing in seconds. Other time saving features include the single knob belt tracking, easy access to motor pulley for contour work and tilting table for fast set-ups of bevel sanding on the form sanding side.

Catalog Listing



No. 31-380 4" x 132" Edge Sander Complete. Includes 1½ HP, 115/230V, (wired 230V) 60 Hertz, single phase motor with manual push button start, steel legs, 50" graphite padded straight platen, 6" wooden form platen with precut 1" bead, steel straight platen guard, sealed ball bearing idler pulley and rubber contact motor pulley, two 12" x 60" high pressure laminate tables, belt guard with hinged

dust spouts, one 80-grit x-flex belt and instruction manual.

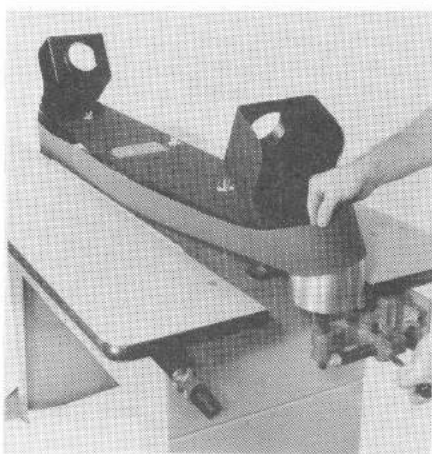
No. 31-381 4" x 132" Edge Sander Complete. Same as listed above except with 1½ HP, 115/230V, (wired 230V), 60 Hertz, single phase motor with LVC 24 volt push button station, magnetic starter, transformer and overload protection.

No. 31-382 4" x 132" Edge Sander Complete. Same as above except with 2 HP, 230/460V, (wired 230V), 60 Hertz, three phase motor with 24 volt, push button station, magnetic starter, transformer and overload protection.

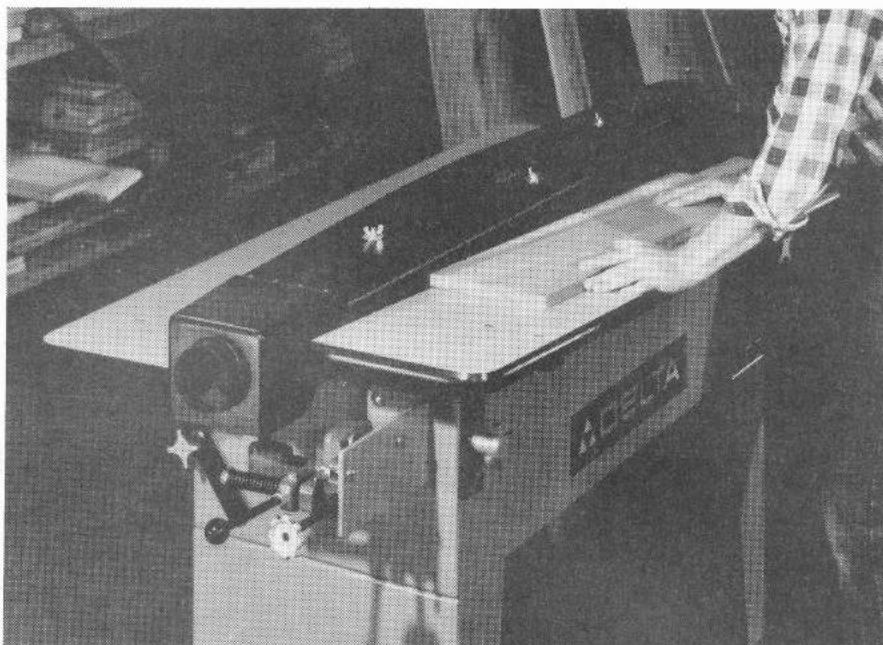
Machine Data

Motor (TEFC) Main	1½ HP, 115/230, 60 Hz., single phase 2 HP 230/460V, 60 Hz., three phase
Motor Control	For single phase - magnetic push button or 24V Low Voltage Control (LVC) For three phase - 24V Low Voltage Control
Belt Size	4" x 132" (101.6 x 3352.8 mm)
Belt Speed	3000 SF/M (909 SM/M)
Platen Size	
Straight	5" x 50" (127 x 1270 mm)
Form	5" x 6" with precut 1" bead (127 x 152.4 mm)
Table Size	12" x 60" (304.8 x 1524 mm)
Table Tilt	
Straight Side:	Bias tilts 10° across platen
Form Side:	Tilts 45° in
Pulley Diameter	
Drive:	6" (152.4 mm)
Idler:	5½" (143 mm)
Dust Collection Spouts	¾" Dia. (98.6 mm)
Overall Dimensions	
Height	41" (1041.4 mm)
Width	73" (1854.2 mm)
Depth	34" (863.6 mm)
Net Weight:	400 lbs. (181.81 kg.)

Quality Features



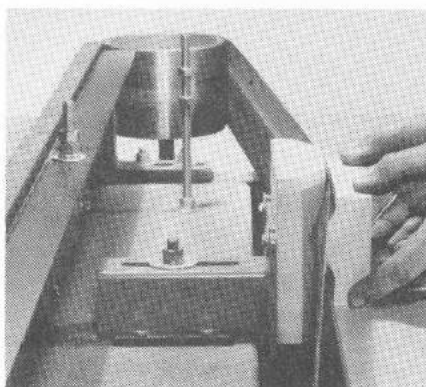
Guard end caps are hinged for fast and easy belt changing; eliminates costly production down-time. Dust spouts are designed for use with standard 4" dia. dust collection hoses.



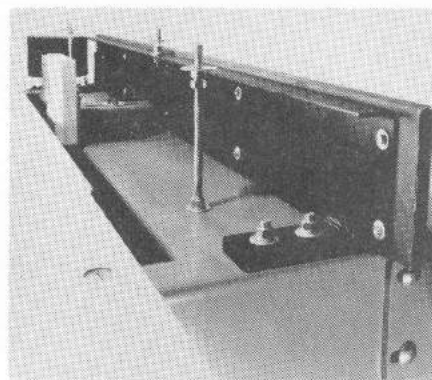
Extra long 50" long straight platen table bias tilts and/or raises to utilize the full width of the belt for extended belt life.



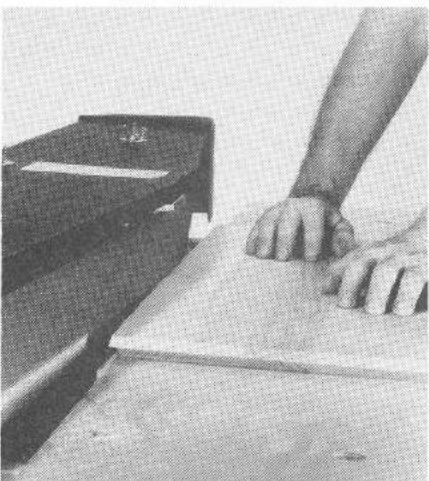
Access to the drive pulley facilitates contour sanding; special rubber contact tread assures a positive grip.



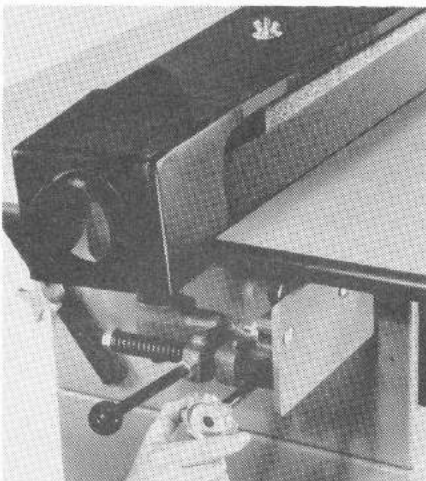
Customized sanding profiles can be created by reversing the sanding belt to create the profile complement in a wood platen.



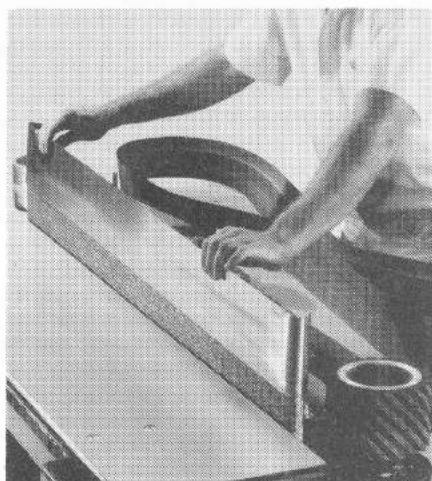
The extra long platen is supported by a "J" shaped machined construction bracket to maintain an accurate 90° relationship with the table.



The form sanding platen comes standard with a 1" bead profile for door and table lip finishing. An edge guide is furnished for greater accuracy.



Idler pulley tension is pre-adjusted spring-loaded; belt tracking is easily controlled with a single tracking knob.



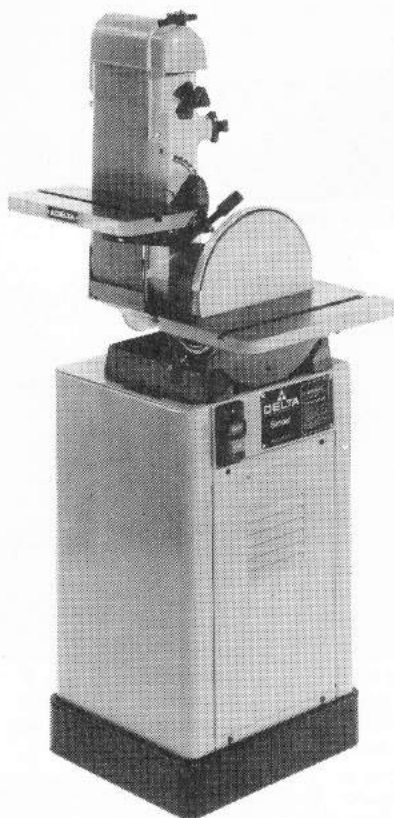
A graphite pad reduces friction along the straight platen. When reversing the belt to customize form platen, a standard equipment steel guard protects the graphite pad.

Delta Abrasive Finishing Machines

Exceptional versatility combined with high efficiency!

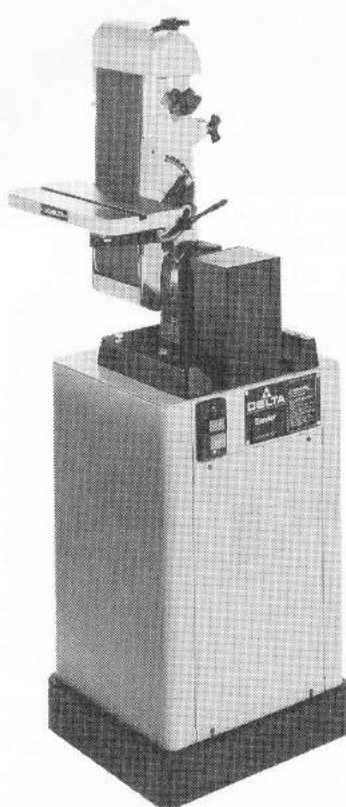
Quality-built Delta Finishing Machines are designed for all types of finishing operations on wood, metal, plastic, compositions and other materials. Easily moved, they can be quickly placed in the production line, or anywhere in the shop where fast, accurate finishing is required. Typical operations include surfacing, finishing, sanding, polishing, grinding, deburring and cleaning.

Delta Abrasive Finishing Machines are excellent for the factory production line, machine shop, experimental department, wood or metal pattern shop, furniture factory, cabinet and school shops—wherever custom or production finishing must be performed efficiently and economically.



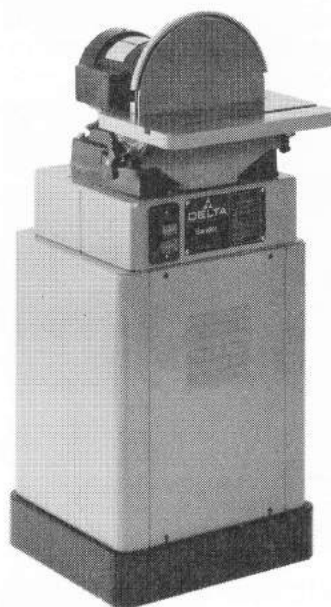
6" Belt and 12" Disc Finishing Machine

- Comprises in one compact, efficient combination the famous Delta 6" Abrasive Belt Finishing Machine and the Delta 12" Abrasive Disc Finishing Machine
- Handles 90 to 95% of all your finishing operations
- Powered by a heavy duty, 1½ HP, TEFC motor
- Offers the right speeds—2100 RPM for disc unit and 3030 FPM for the belt unit—making it well suited for both metal and wood shops
- Belt operates at any angle—vertically, horizontally, or any degree in between
- Has fine thread adjustment for easy belt tracking while star wheel locks adjustment firmly in place
- Large tables are scientifically ribbed to prevent distortion
- Tables tilt up to 45° out and 20° in for angle finishing operations



6" Abrasive Belt Finishing Machine

- Belt operates vertically, horizontally or at any degree in between
- Exclusive fine thread belt tracking control
- Has a cast iron platen that won't distort from heat buildup
- Table tilts 45° out and 20° in for angle operations
- Lubricated-for-life ball bearings
- Adjustable dust deflector and dust spout on lower guard
- Completely enclosed drums; guarded sanding belt
- Adjustable platen can be removed for free-hand finishing of odd shapes
- Removable upper guard for contour finishing on idler drum



12" Abrasive Disc Finishing Machine

- Provides fine finishes fast
- Fully machined, balanced disc runs vibration free and assures proper adhesion of abrasive discs
- Disc is mounted to end of motor shaft for powerful, accurate operation
- Large, scientifically ribbed table is supported by widely spaced trunnions for rigidity
- Star wheels lock table securely at any angle up to 45° out and 20° in
- Easy-to-read scale shows exact degree of table tilt desired
- Plain and compound meters are easily obtained using the 34-895 accessory miter gage
- Unit has a low 24 volts at the push button station on models with magnetic controls

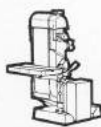


All Delta Abrasive Finishing Machines and all electrical kits are certified in Canada.

Catalog Listing



No. 31-730 6" Belt and 12" Disc Finishing Machine with two tilting tables, 4½" arbor pulley, guard for arbor pulley, V-belt, 80-grit garnet belt and 50-grit garnet disc. Without stand, motor, motor control, motor pulley and dust collector attachment parts. 158 lbs.



No. 31-550 6" Abrasive Belt Finishing Machine with 31-401 tilting table; 4" arbor pulley; 58" O.C. V-belt; belt guard; fine grit, aluminum oxide belt and guards. Without stand, fence, backstop, motor pulley, motor or switch. 108 lbs.



Enclosed Steel Stand with motor, motor pulley and motor controls factory mounted and wired. For Catalog Nos. 31-730 and 31-550.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
52-611	Single Phase 1½ HP	Push Button Switch only	TEFC	60-3450	115/230	125
52-612		24V Push Button Station, Magnetic Starter Transformer and Overload Protection (LVC)	TEFC	60-3450	115/230	130
52-613†	Three Phase 1½ HP	24V Push Button Station, Magnetic Starter Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	90
52-614			TEFC	60-3450	200	90

NOTE: Single phase electricals will be supplied wired for 230V, unless 115V is specified. If 115V is specified, operating circuit must be minimum of 30 amperes, incorporating time-delay fusing. Three phase electricals will be supplied wired for 230V, unless 460V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls

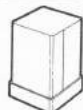
for Delta Finishing Machines may be ordered unmounted.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog No. in addition to Three Phase Catalog No. 52-613, in order to obtain Finishing Machine with "JIC" type electricals, factory mounted and wired.



12" Abrasive Disc Finishing Machine. Ready to run, with sub base and special thrust load ball bearing motor. Stand not included.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
31-125	Single Phase 1 HP	Push Button Switch only	TEFC	60-1725	115/230	131
31-126		24V Push Button Station, Magnetic Starter Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	136
31-131†	Three Phase 1 HP	24V Push Button Station, Magnetic Starter Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	125
31-132			TEFC	60-1725	200	125



50-139	Enclosed Steel Stand					31
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NOTE: Single phase electricals will be supplied wired for 230V, unless 115V is specified. Three phase electricals will be supplied wired for 230V, unless 460V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Delta 12" Abrasive Disc Finishing Machines may be ordered unmounted.

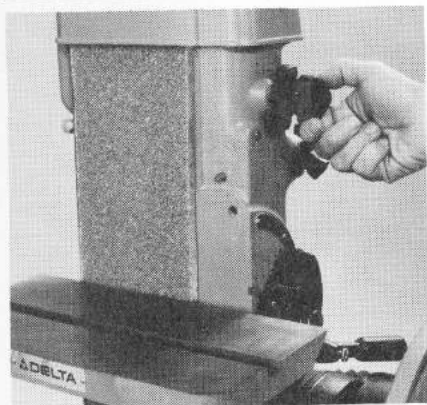
†No. 49-000 "JIC" Type Control Kit. Specify this Catalog No. in addition to Three Phase Catalog No. 31-131, in order to obtain 12" Disc Sander with "JIC" type electricals, factory mounted and wired.

Machine Data

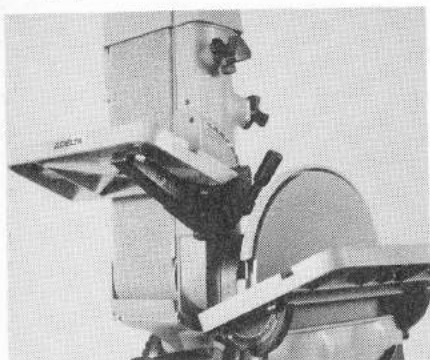
Overall Stand Dimensions	6" Belt/12" Disc Finishing Machine	6" Abrasive Belt Finishing Machine	12" Abrasive Disc Finishing Machine
Vertical: Front to Rear	19" (482.6 mm)	16" (406.4 mm)	23½" (600.07 mm)
Width	26" (600.4 mm)	20" (508 mm)	23" (584.2 mm)
Height	56½" (1485.1 mm)	56½" (1435.1 mm)	42½" (1079.5 mm)
Horizontal: Front to Rear	29½" (749.3 mm)	28½" (723.9 mm)	N/A
Width	25" (635 mm)	20" (509 mm)	N/A
Height	42" (1066.8 mm)	39" (990.6 mm)	N/A
Belt Machine			
Table: Size	7⅞ x 14¾" (187.3 x 374.6 mm)	7⅞ x 14¾" (187.3 x 374.6 mm)	N/A
Tilt	45° out, 20° in	45° out, 20° in	N/A
Miter Gage Groove	⅜ x ¾" (9.5 x 19.05 mm)	⅜ x ¾" (9.5 x 19.05 mm)	N/A
Platen	6¼ x 14¾" (158.7 x 374.6 mm)	6¼ x 14¾" (158.7 x 374.6 mm)	N/A
Belt Length: Standard	6 x 48" (152.4 x 1214.2 mm)	6 x 48" (152.4 x 1214.2 mm)	N/A
Maximum	48⅝" (1235.1 mm)	48⅝" (1235.1 mm)	N/A
Minimum	47⅞" (1216 mm)	47⅞" (1216 mm)	N/A
Belt Speed	3030SF/M (921.5 surf M/Min.)	3450SF/M (1051 surf M/Min.)	N/A
Disc Machine			
Table: Size	9¾ x 16¼" (247.6 x 412.7 mm)	N/A	9¾ x 16¼" (247.6 x 412.7 mm)
Tilt	45° out, 20° in	N/A	45° out, 20° in
Tilt Gage	Has adjustable pointer	N/A	Has adjustable pointer
Miter Gage Groove	⅜ x ¾" (9.5 x 19.05 mm)	N/A	⅜ x ¾" (9.5 x 19.05 mm)
Disc	12" (304.8 mm) diameter with 7/8" (22.2 mm) bore	N/A	12" (304.8 mm) diameter with 7/8" (22.2 mm) bore
Disc Speed	2100 RPM	N/A	1725 RPM
Motor Plate	N/A	N/A	Accommodates NEMA 143T and 145T frame motors

Delta Abrasive Finishing Machines (continued)

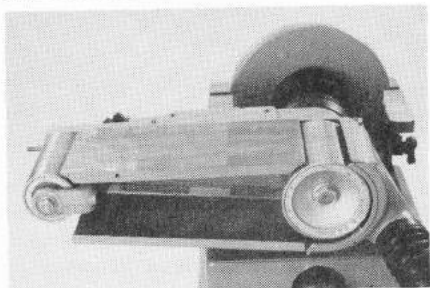
Quality Features for all Delta Abrasive Finishing Machines



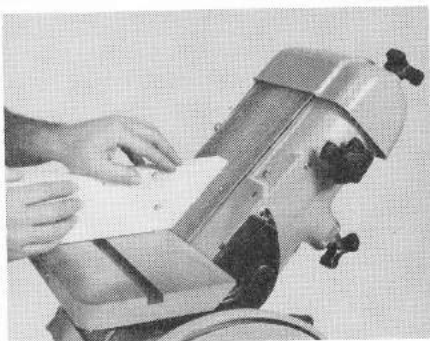
Belt Tracking Feature. Control knob has fine thread adjustment for easy tracking of belt. Star wheel locks tracking adjustment firmly in place.



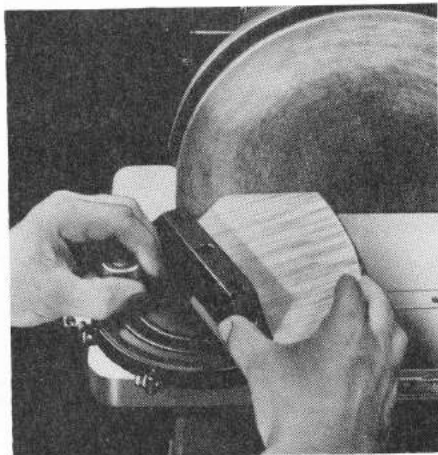
Two Husky Tables. With the Delta Combination Finishing Machine, you get two scientifically ribbed tables (not one). Unlike some machines, you don't have to waste valuable production time removing the table when you move from one machine to the other. Two widely spaced trunnions firmly support the Disc Sander table while a single massive trunnion provides ample rigidity for the Belt Sander table.



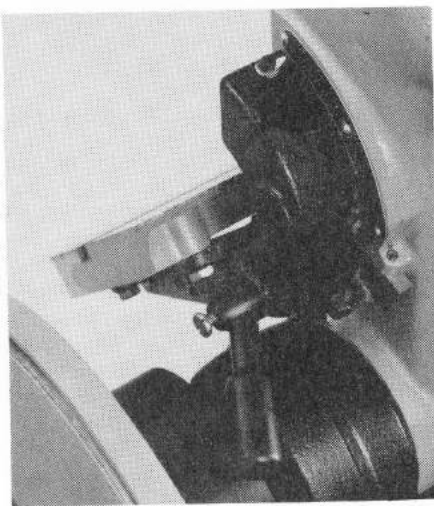
Specially Designed Platen; Extra Large Drive Drum. Platen is made of heavy, cast iron construction to prevent distortion from heat build up. Platen may be removed for contour sanding with a slack belt. Large 5½" diameter drive drum efficiently transmits maximum power from motor to belt, also provides correct belt speed of 3030 SF/M for faster, smoother finishing.



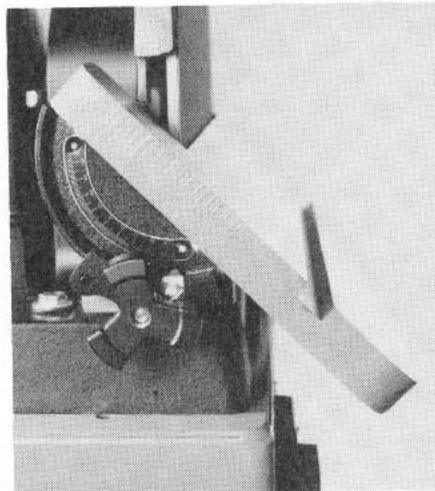
Belt Operates At Any Angle. You can operate the belt vertically, horizontally or at any degree in between. Note that work table can remain in level position, providing excellent work support, also storage area for work to be done.



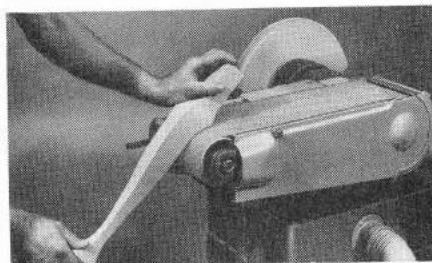
Accurate Miters Quickly Obtained. Plain and compound miters are easily handled with the aid of the No. 34-895 Miter Gage. The wide tilt range of the table, combined with the built-in accuracy of the 12" Abrasive Disc Finishing Machine, makes it an ideal tool for the pattern shop.



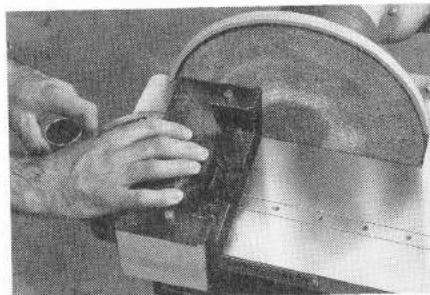
Massive Belt Sander Table Trunnion. Rigidly supports table for accurate work. Swinging Stop Link and adjustable screws provide positive settings at 90° and 45° for repetitive work. Table also may be tilted 20° in. Easy-to-read tilt scale and adjustable pointer speed table settings.



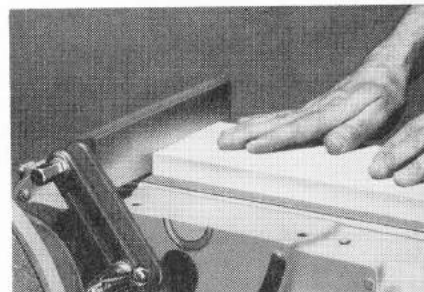
Handy Tilt Scale; Positive Disc Sander Table Locks. A large, conveniently located tilt scale shows exact degree of tilt desired from 45° out to 20° in. Positive grip star wheels on either side of the table lock it securely in position.



Contour Finishing Set-Up Immediately Available. Operator simply removes upper belt guard, then proceeds to contour finish stock on the idler drum.



Big 9¾ x 16¼" Table. Furnishes ample work support for finishing core prints of large patterns. Fully machined, balanced disc runs vibration free for accurate finishing.



Handy Back Stop. An excellent accessory for finishing flat work because it prevents stock from being carried along with the belt.

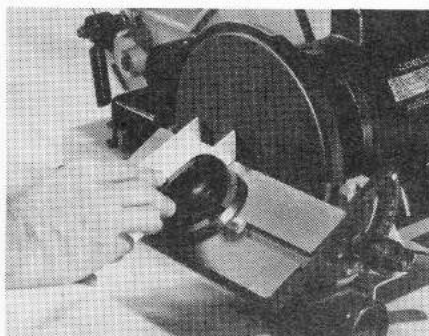
Delta 1" Belt/8" Disc Sander

Sands, Grinds, Sharpens, Deburrs, Contours, Finishes, Polishes. . . Does Work of Many Machines

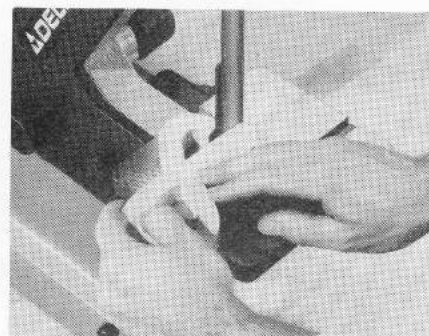
- Equally suited for both wood and metal shop applications.
- Sturdy cast-iron tilting tables, slotted for use with miter gage, to facilitate angle, bevel and compound angle sanding or grinding.
- Removable side cover for idler wheel contour sanding.
- Removable platen for finishing curved or odd shaped work.
- Automatic belt tensioning with handy belt tracking control.
- Integral dust spouts on both belt and disc units for dust collector hook-up.
- Removable on-off switch to prevent unauthorized use.
- Sturdy steel base with rubber feet to reduce vibration and noise level; pre-drilled for bench mounting.
- Overall cast-iron construction.



Highly Efficient Belt Grinding. Modern 3-dimensional grain structure of abrasive belts means sharper, faster cutting action, cooler operation; better quality finish.

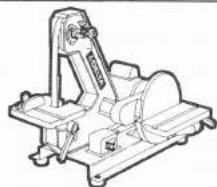


All-Purpose Speeds. Powered by a 1/3 HP, induction motor for 3000 sfpm belt speed and 1725 rpm disc speed. The right speeds for fast, efficient grinding and sanding.



Superior Sanding/Grinding Capability. Belt unit does work of band saw, jig saw, coping saw or hand file, only better. Open, narrow band allows you to get into small openings; handle odd shapes or angles.

Catalog Listing



No. 31-340 1" Belt/8" Disc Sander. Includes basic machine with 1/3 HP, 115 V, 60 Hz., 1725 RPM, single phase motor and controls, miter gage, 1" x 42" sanding belt; 8" sanding disc and instruction manual. 62 lbs.

Machine Data

Motor 1/3 HP, 115V, 60 Hz, 1725 RPM, Single Phase
Motor Control Toggle Switch with Removable Lock-Out Key
Speed:
Belt 3000 SF/M
Disc 1725 RPM
Abrasive Belt:
Length 42" (1066.8 mm)
Width 1" (25.4 mm)
Disc Diameter 8" (203.2 mm)
Dust Collection Outlets . 1 1/2" dia. (38.1 mm)

Table Size and Tilt:

Belt 6 1/8" x 7 1/8", (155.57 x 1180.97 mm) tilts 45° out
Disc 4" x 10", (101.6 x 254 mm) tilts 45° in and out

Overall Dimensions:

Height 19 1/2" (495.3 mm)
Width 15" (381 mm)
Depth 24 1/4" (641.35 mm)
Weight 62 lbs. (28.18 Kg)

Delta Finishing Machine and Edge Sander Accessories

For 6" x 132" Edge Sander

Abrasive Belts. 6" wide x 132" long. Pkg. of 2.

Cat. No.	Type	Grit
31-393	Al. Oxide	80 Grit
31-394	Al. Oxide	120 Grit
31-395	Al. Oxide	150 Grit

Abrasive Sleeves. Al. Oxide. Pkg. of 6.

Dia.	Length	Cat. No.	Grit
3"	3"	31-443	50 Grit
		31-444	80 Grit
		31-446	50 Grit
2"	3"	31-447	80 Grit
		31-448	50 Grit
1 1/2"	3"	31-449	80 Grit

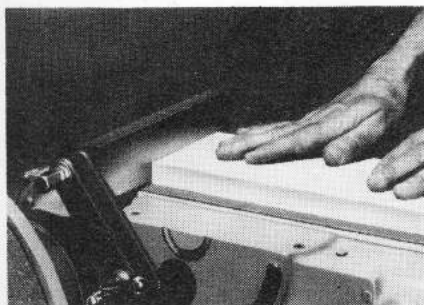
For 4" x 132" Edge Sander

Abrasive Belts. 4" wide x 132" long. Red resin bonded, x-flex type. Specially spliced for both straight and form sanding operations. Package of 2.

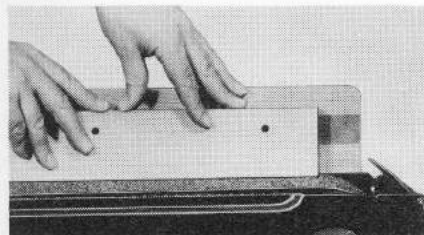
Cat. No.	Type	Grit
31-386	Al. Oxide	80 Grit
31-387	Al. Oxide	120 Grit
31-388	Al. Oxide	150 Grit

For 6" Belt and 12" Disc Combination and 6" Abrasive Belt Finishing Machine

No. 31-401 Tilting Table, with trunnion assembly for 6" Abrasive Belt Finishing Machine. 14 lbs.



No. 31-403 Backstop, complete with bracket. 4 lbs.



No. 31-014 Wood Fence, 3/4" x 7 1/2", with brackets. 6 lbs.

No. 50-114 Enclosed Stand. Includes basic stand, motor mounting plate and hardware for mounting 6" Abrasive Belt Finishing Machine or 6" Belt/12" Disc Finishing Machine. 64 lbs.

Abrasive Belts. 6" wide x 48" long. 1/4 lb. each.

Cat. No.	Type	Grit
31-402	Al. Oxide	80 Grit
31-404	Al. Oxide	100 Grit
31-405	Al. Oxide	50 Grit

For 6" Belt and 12" Disc Combination and 12" Abrasive Disc Finishing Machine

No. 50-139 Enclosed Steel Stand for 12" Disc Sander. 31 lbs.

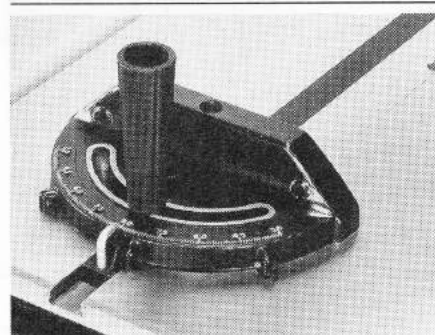
No. 31-123 Sub Base. Required for mounting 12" Disc Sander to 50-139 Enclosed Steel Stand. Furnished as standard equipment. 16 lbs.

Abrasive Discs. 12" diameter self-adhesive, stick-on type. Package of 2.

Cat. No.	Type	Grit
31-421	Al. Oxide	50 Grit
31-422	Al. Oxide	80 Grit
31-423	Al. Oxide	120 Grit

No. 31-034 Disc Assembly with flange and set screws. For replacement use on 6" Belt/12" Disc Combination only. 11 lbs.

For 6" Abrasive Belt, 12" Abrasive Disc and 6" Belt & 12" Disc Combination



No. 34-895 Auto-Set Miter Gage. For straight and angle finishing. Has 3/8" x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions. Accommodates No. 34-568 Clamp Attachment. 3 1/2 lbs.

No. 34-568 Clamp Attachment for 34-895 Miter Gage. 1 1/2 lbs.

No. 50-274 Mobile Base. For 6" Belt, 12" Disc and/or Belt/Disc Combination Finishing Machine on Enclosed Type Stand. 19 lbs.

For 1" Belt/8" Disc Sander

Abrasive Belts. 1" wide x 42" long. With cloth backing. Package of 5. 1/2 lb.

Cat. No.	Type	Grit
31-371	Al. Oxide	50 Grit
31-372	Al. Oxide	80 Grit
31-373	Al. Oxide	120 Grit
31-375	Al. Oxide	220 Grit
31-376	Al. Oxide	320 Grit

No. 31-377 Felt Belt. 1" wide x 42" long. For cleaning, polishing and buffing.

Abrasive Discs. 8" diameter. Self-adhesive, stick-on type. Package of 2.

Cat. No.	Type	Grit
31-346	Al. Oxide	50 Grit
31-347	Al. Oxide	80 Grit
31-348	Al. Oxide	120 Grit

Wood Dust Collector Connectors

No. 50-209 6" x 132" and 4" x 132" Edge Sander Connector Kit. Includes two 4" dia. x 60" hose, 4" x 4" x 5" Y-connector and clamps. Attaches to outlets in belt guard end caps.

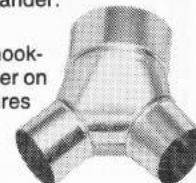
No. 50-214 6" Belt Sander Connector. 3 1/4" to 5" dia. increaser with clamping lug on 3 1/4" end. Attaches to exhaust chute of sander.



No. 50-224 12" Disc Sander Connector. Attaches to bottom of sander. 3" dia. outlet. Requires 50-237 Increaser for hook-up to wood dust collector.

No. 50-237 3" to 5" Dia. Increaser. With clamping lug on 3" end. Attaches to 50-224 Connector on 12" Disc Sander.

No. 50-228 3" x 3" x 5" Y-Connector. For dual hook-up of Belt and Disc Sander on Combination Unit. Requires two 50-186 Hose, and 50-224 Connector for 12" Disc Sander.



No. 50-186 3" Dia. x 60" Hose. Two required for use with 50-228 Y-connector in dual hook-up of Belt and Disc Sander on Combination Unit.

Metal Dust Collector Connectors

No. 31-856 Attachment Kit. For hook-up of 6" Abrasive Belt Finishing Machine and Belt Unit of Combination Belt/Disc Finishing Machine to Ferrous Metal Dust Collector. 6 lbs.

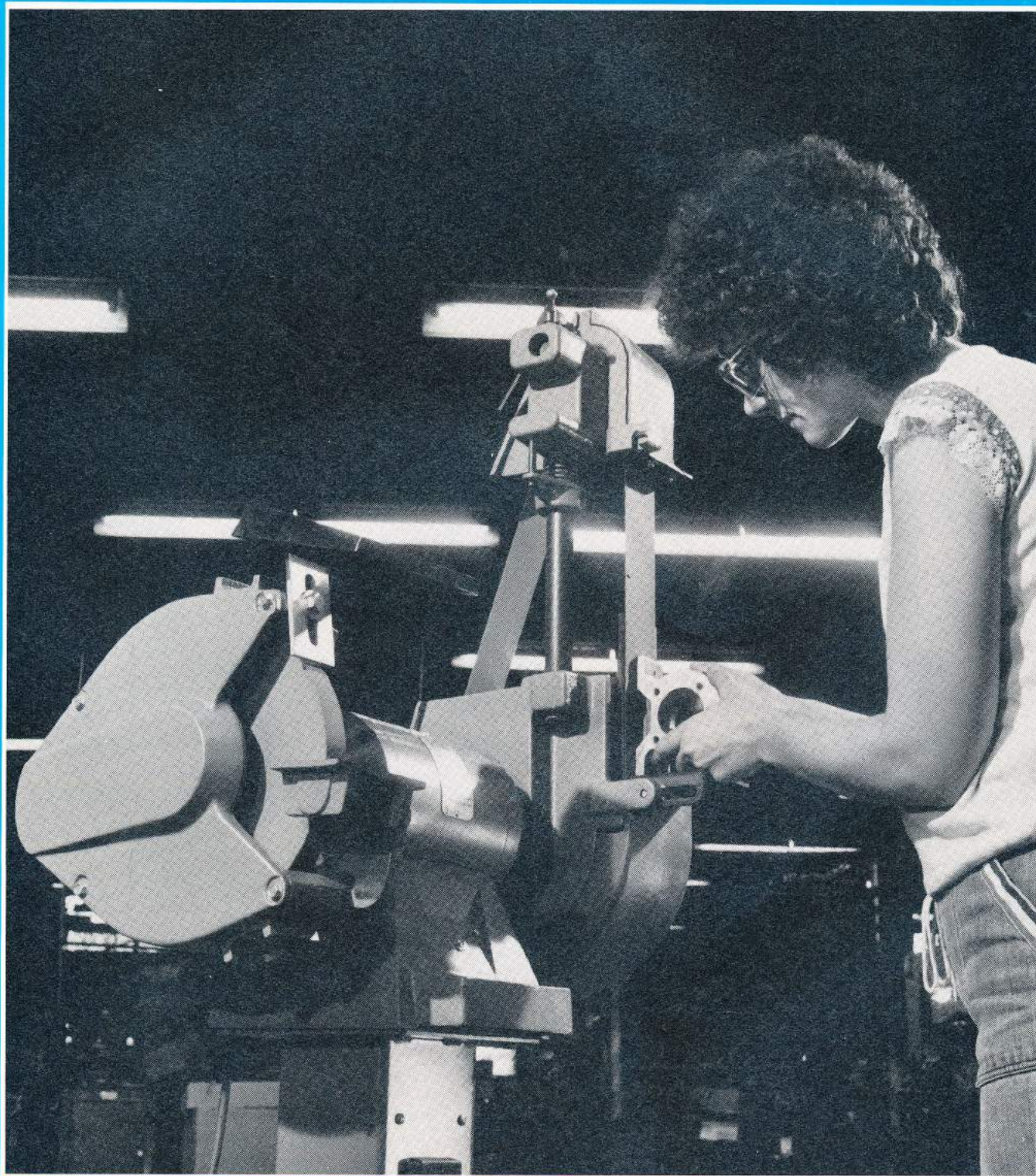
No. 50-141 Attachment Kit. For hook-up of 12" Abrasive Disc Finishing Machine and Disc Unit of Combination Belt/Disc Finishing Machine to Ferrous Metal Dust Collector. 13 1/2 lbs.

Delta Grinders & Grinder/Finishers

Select from 41 quality-built models!

Do you have need for a high performance grinder or finisher? Then, consider a Delta. They offer the finest built-in quality features. For example, motors and wheels are carefully balanced for smoother running.

Precision ground tool rests adjust in and out and tilt for any desired grinding angle. Specially designed guarding increases operator safety. And a complete line of accessories means expanded job capability.



Delta 10", 8", 7" and 6" Grinders

For industry, farms, schools and general shop use!

Now! you can get the right grinder with the right features for quick, efficient operation year after year. Just select any one of Delta's heavy duty grinders. They're quality built throughout with user-appreciated features like totally enclosed motors rated for continuous duty; lifetime, sealed, ball bearing construction; small diameter motor frames; wrap-around, fully adjustable tool rests;

built-in water pot; safety designed to meet all OSHA standards, and lots more.

If you do operations like removing stock, snagging, sharpening tool bits, shaping special parts, removing rust and scale, then consider placing a dependable, heavy duty Delta Grinder in your operation today!



No. 23-907
Pedestal Model
10" Grinder.



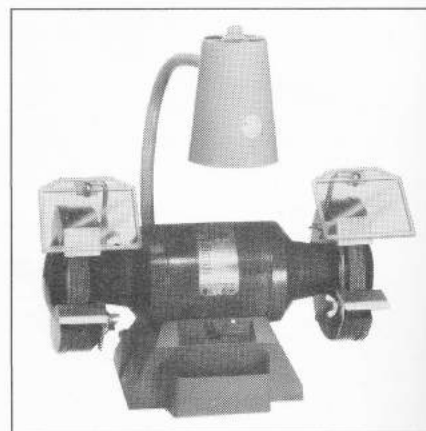
No. 23-852
Pedestal Model
8" Grinder shown
with Accessory
23-035 Twin-Lites®



No. 23-755
Pedestal Model
7" Grinder.

Machine Data

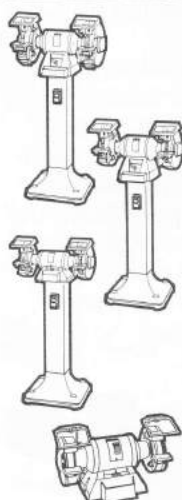
	10" Grinder	8" Grinder	7" Grinder	6" Bench Grinder
Motor:				
Horsepower	1 HP 1 Ph, 1½ HP 3 Ph	¾ HP 1 and 3 Ph	½ HP 1 and 3 Ph	⅓ HP 1 Ph
RPM	1725	3450	3450	3450
Shaft Diameter	¾"	¾"	⅝"	½"
Wheels:				
Diameter	10"	8"	7"	6"
Face	1"	1"	1"	¾"
Hole	¾"	¾"	⅝"	½"
Dust Collection Capability	See Page O-4			
Overall Dimensions, Bench Type:				
Height with Eyeshields	16¾"	16"	13⅞"	12¼"
with Twin-Lites	18⅛"	17⅞"	14¾"	—
Width	23½"	22⅞"	22⅜"	20⅛"
Front to back	15⅝"	12¼"	11⅝"	9⅝"
Overall Dimensions, Pedestal Type:				
Height with Eyeshields	49⅛"	48⅝"	46⅛"	—
with Twin-Lites	51"	49⅞"	47⅛"	—
Width	23½"	22⅞"	23⅜"	—
Front to back	15⅝"	12¼"	11⅝"	—



No. 23-650 6" Bench Grinder shown with
Accessory No. 25-857 Lamp Attachment.
Models 23-650, 23-750, 23-850 and 23-901
are UL and CSA listed.



Catalog Listing



Complete Grinders, bench or pedestal mounted, with safety eyeshields, balanced wheels (medium and coarse), wheel guards, spark deflectors, tool rests, water pot, dust collection adapters (not furnished on 6" Bench Grinder), motor and controls factory mounted and wired as specified below.

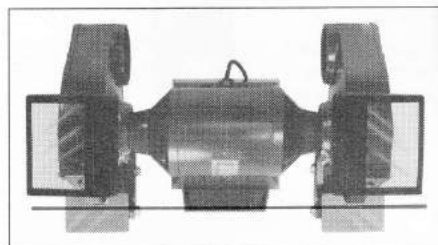
Catalog Number	Size	Motor	Motor Control	Motor Enclosure	HZ, and Motor RPM	Motor Voltage	Type	Shipping Wt./Lbs.
23-901	10"	1 Phase, 1 HP	* On-Off Toggle Switch	TENV	60-1725	115/230	Bench	96
23-907	10"	3 Phase, 1½ HP	†24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-1725	230/460	Pedestal	148
23-902	10"	3 Phase, 1½ HP	†None (not factory wired)	TENV	60-1725	230/460	Bench	96
23-850	8"	1 Phase, ¾ HP	* On-Off Toggle Switch	TENV	60-3450	115	Bench	65
23-852	8"	3 Phase, ¾ HP	†24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-3450	230/460	Pedestal	117
23-851	8"	3 Phase, ¾ HP	†None (Not Factory Wired)	TENV	60-3450	230/460	Bench	65
23-750	7"	1 Phase, ½ HP	* On-Off Toggle Switch	TENV	60-3450	115	Bench	41
23-755	7"	3 Phase, ½ HP	†24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-3450	230/460	Pedestal	93
23-751	7"	3 Phase, ½ HP	†None (not factory wired)	TENV	60-3450	230/460	Bench	41
23-650	6"	1 Phase, ½ HP	On-Off Toggle Switch	TENV	60-3450	115	Bench	29

* Motor control switch can be used to operate Accessory 23-035 Twin-Lite.

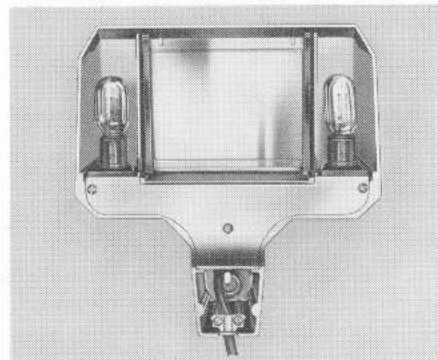
† Separate toggle switch furnished for Accessory 23-035 Twin-Lite. For operation of Twin-Lite at 460 volts, end user must supply 100 watt, 460/115 volt transformer.

NOTE: Single phase electricals will be supplied wired for 115 V. Three Phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only.

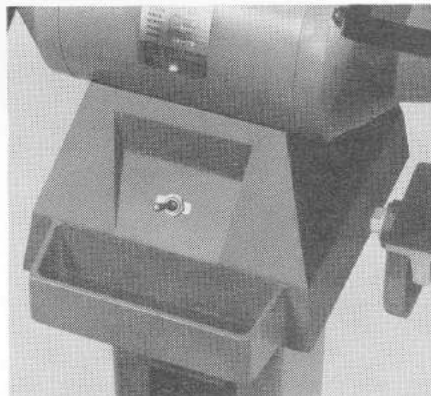
Delta Quality Grinder Features



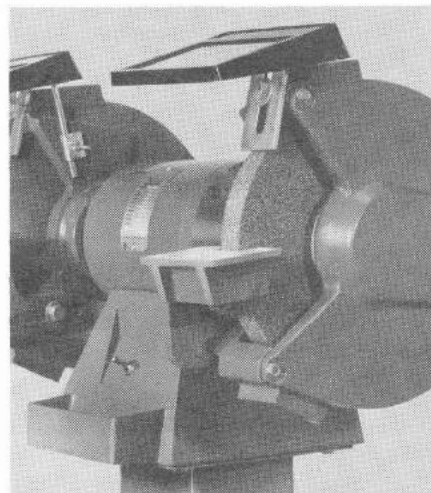
"Thin-Line" Motors. Continuous duty grinder motors are slim in design providing extra space between wheels and motor for grinding odd-shaped items and long stock. TENV motors have lifetime, sealed, ball bearing construction.



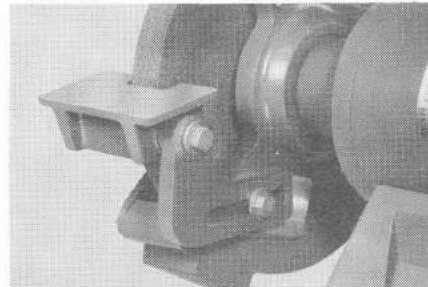
Famous Twin-Lite® Safety Shields (Accessory). Designed to operate independently of the shop lighting system. Double strength, shatterproof glass safeguards operator's eyes. Special spring clips prevent rattle. Bayonet type bulbs stay tight and are shielded to prevent glare. Ideally placed, they throw a full flood of light on both sides and face of wheel without casting any shadow.



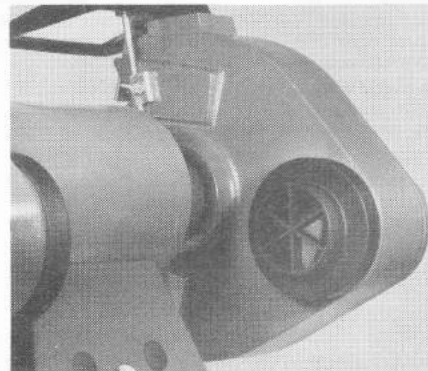
Built-in Water Pot. Conveniently placed water pot is always there, when you need it, for cooling the work piece.



Excellent Safety Features. Increased operator safety is provided by the protective eyeshields, adjustable spark deflectors, husky wheel guards and removable side plates.



Multi-Purpose Tool Rests. Sturdily constructed tool rests adjust horizontally and vertically, also tilt for exact grinding angle desired. They lock rigidly in place, yet may be quickly removed for accessory attachments. Wrap-around ledges help support odd-shaped workpieces.



Dust Collection Capability. All Delta 10", 8" and 7" Grinders are furnished with standard equipment adapters for connecting to Delta "High-Efficiency" Dust Collectors.

Delta Grinder/Finishers and Twin Belt Finisher

A complete line of "Full Spectrum" machines!

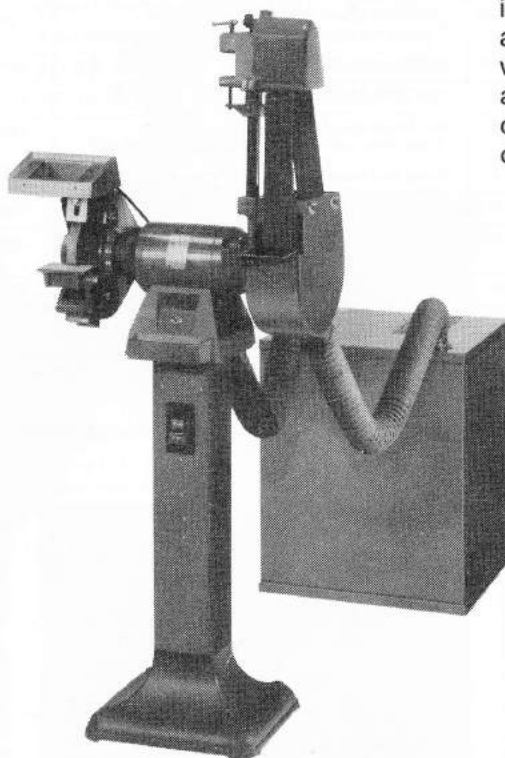
Increase productivity while lowering costs! Select one of Delta's heavy duty grinder/finishers or twin belt finisher, designed for money-saving performance. They're well suited for metal shops, wood shops, foundries,

garages, vocational schools or wherever grinding, sanding or finishing is required.

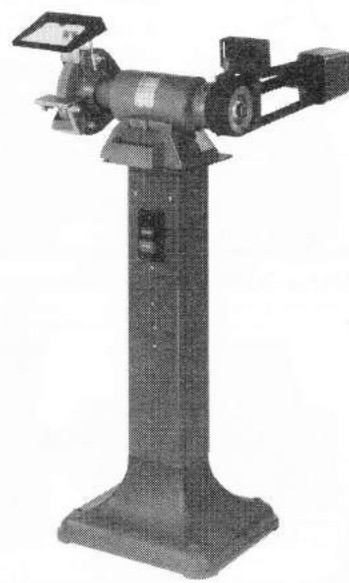
These versatile machines are especially suited for removing stock, snagging, sharpening tool bits, removing rust and scale, sanding, deburring, finishing, polishing and dozens of other operations. And with modern, 3-dimensional abrasives, you can do cleaning, deburring, blending and polishing, decorating and finishing.



No. 23-909 Twin Belt Finisher shown with belts in vertical and horizontal position.



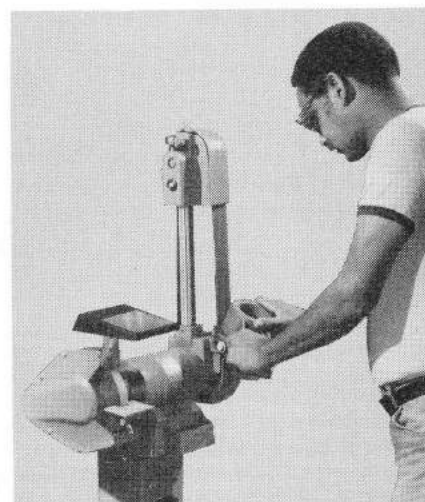
No. 23-908 Pedestal Model 10" Grinder/Finisher shown with Accessory "High Efficiency" Dust Collector and Accessory 23-035 Twin-Lite®.



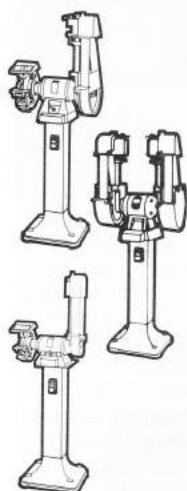
No. 23-756 Pedestal Model 7" Grinder/Finisher shown with Finisher in horizontal position.

Machine Data

	10" Grinder/Finisher	Twin Belt Finisher	7" Grinder/Finisher
Motor			
Horsepower	1 HP 1 Ph, 1½ HP 3 Ph	1 HP 1 Ph, 1½ HP 3 Ph	½ HP 1 and 3 Ph
Shaft Diameter	¾"	7/8"	5/8"
Grinder Wheel:			
Diameter	10"	—	7"
Face	1"	—	1"
Hole	7/8"	—	5/8"
Contact Wheel:			
Diameter	10"	10"	4½"
Face	2½"	2½"	2"
Hole	7/8"	7/8"	.626
Belt:			
Width	2½"	2½"	2"
Length	60"	60"	48"
Speed	4500 sfpm	4500 sfpm	4100 sfpm
Dust Collection Capability	See Page O-4		
Overall Dimensions, Bench Type:			
Height (belts vertical)	15½"	29¾"	26½"
(belts horizontal)	29½"	16½"	11"
Width	25"	26"	19½"
Depth (belts vertical)	15½"	15½"	11½"
(belts horizontal)	29½"	29½"	26"
Overall Dimensions, Pedestal Type:			
Height (belts vertical)	62¾"	62¾"	59½"
(belts horizontal)	49½"	49½"	44"
Width	26"	26"	19½"
Depth (belts vertical)	15½"	15½"	11½"
(belts horizontal)	29½"	29½"	26"



Catalog Listing



Complete Grinder/Finishers and Twin Belt Finisher, bench or pedestal mounted, with motor and controls factory mounted and wired as specified below. Grinder/Finishers furnished with a water pot, safety shield, wheel guards, dust collection adapter, tool rests, one coarse aluminum oxide wheel, one rubber contact wheel and one 80 G aluminum oxide belt. Twin Belt Finisher furnished with wheel guards, tool rests, two rubber contact wheels, one 40 G and one 80 G aluminum oxide belt.

Catalog Number	Model	Motor	Motor Control	Motor Enclosure	HZ, and Motor RPM	Motor Voltage	Type	Shipping Wt./Lbs.
23-903	10" Gdr/Fshr	1 Phase, 1 HP	* On-Off Toggle Switch	TENV	60-1725	115/230	Bench	149
23-908	10" Gdr/Fshr	3 Phase, 1½ HP	†24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-1725	230/460	Pedestal	201
23-904	10" Gdr/Fshr	3 Phase, 1½ HP	†None (not factory wired)	TENV	60-1725	230/460	Bench	195
23-905	Twin Belt Fshr	1 Phase, 1 HP	On-Off Toggle Switch	TENV	60-1725	115/230	Bench	186
23-909	Twin Belt Fshr	3 Phase, 1½ HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-1725	230/460	Pedestal	238
23-906	Twin Belt Fshr	3 Phase, 1½ HP	None (not factory wired)	TENV	60-1725	230/460	Bench	232
23-752	7" Gdr/Fshr	1 Phase, ½ HP	* On-Off Toggle Switch	TENV	60-3450	115	Bench	62
23-756	7" Gdr/Fshr	3 Phase, ½ HP	†24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-3450	230/460	Pedestal	114
23-754	7" Gdr/Fshr	3 Phase, ½ HP	†None (not factory wired)	TENV	60-3450	230/460	Bench	109

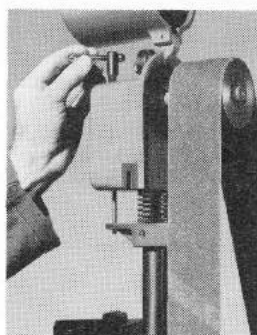
* Motor control switch also can be used to operate Accessory 23-035 Twin-Lite.

† Separate toggle switch furnished for 23-035 Twin-Lite.

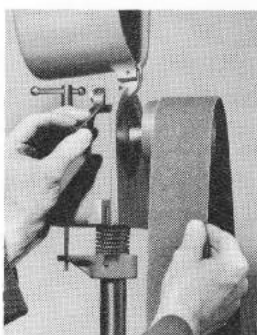
For operation of Twin-Lite at 460 volts, end user must supply 100 watt, 460/115 volt transformer.

NOTE: Single phase electricals will be supplied wired for 115 V. Three Phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only.

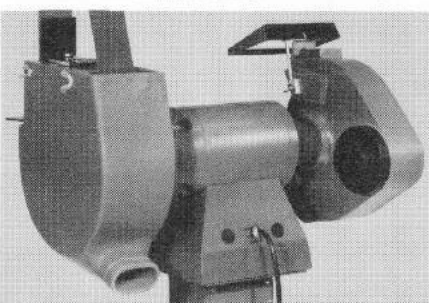
Delta Quality Features



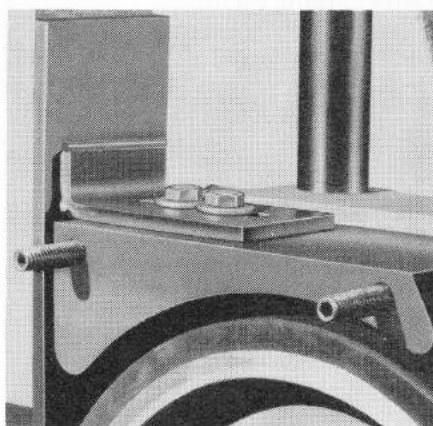
Belt Tracking Control. Swivel type handle has fine thread adjustment for accurate, easy belt tracking, yet holds setting without need for locking.



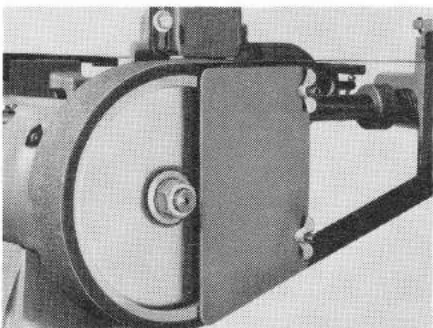
Spring-Loaded Belt Tensioner. Changing belts is a simple operation—just raise guard, pull cam lever forward to depress spring-loaded tensioner, and replace belt. Tensioner applies proper amount of tension on belt for smooth performance and proper belt tracking.



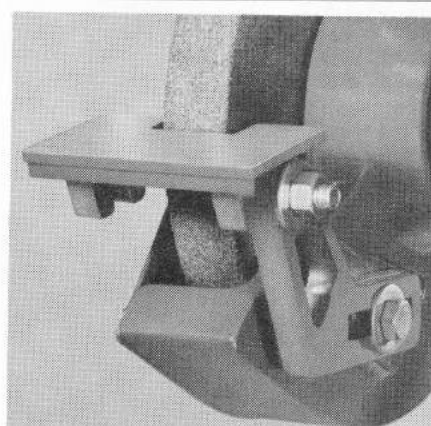
Built-In Dust Chutes. Cast wheel and belt guards are designed with integral dust ports for fast, easy connection of the Delta "High Efficiency" Dust Collector.



Large, Husky Platen. Ruggedly built 2½ x 6½" platen provides firm abrasive belt support over a large area. Platen is especially helpful when doing work that requires heavy pressure on the belt.



Massive Contact Wheel; Rest Doubles As a Back Stop. When the extra large 10" diameter contact wheel is required for contour or heavy duty grinding, belt guard can be quickly removed simply by loosening two wing nuts. When finishing flat work, rest can be used as a back stop to prevent work from being carried along on the belt.



Versatile Tool Rest. Sturdy rest adjusts horizontally, vertically, or any degree in between for exact grinding angle required. Wrap-around ledges help support odd-shaped workpieces.

Delta Quality Extras

24-volt safety control station.

Large, fully adjustable, belt grinding work support.

Advanced safety features, including protective eyeshield, wheel and belt guards, removable side plate and adjustable spark deflector.

Delta 7" Deluxe Grinder

Here's the finest, safest, most accurate 7" grinder you can buy!

That's because it has built into it all the famous Delta Quality Features that have made Delta 7" Deluxe Grinders the accepted standard in thousands of the nation's shops.

Check it feature for feature with any other 7" grinder on the market. Listen to its quiet, smooth operation. You'll see why leaders in industry, commercial shops and schools continually make it their first choice!



No. 23-212
Pedestal Model
7" Deluxe Grinder
shown with
Accessory 23-294
Edge Tool Grinding
Attachment.

Machine Data

Motor:
Horsepower 1/2
Shaft:
Diameter 5/8" (15.875 mm)
Extends beyond flange 1 1/4" (44.45 mm)
Frame diameter 5 23/32" (145.26 mm)
All Motors, except 200 V, are dual voltage with reconnectable feature. Single Phase Motors are capacitor-start type.

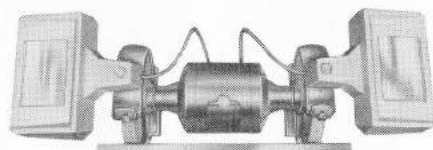
Wheels:
Diameter 7" (177.8 mm)
Face 1" (25.4 mm)
Hole 5/8" (15.875 mm)
Distance between centers 14 1/2" (368.3 mm)

Dust Collection Capability ... See Page O-4

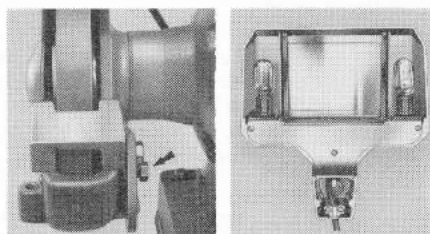
Dimensions:
Pedestal Type:
Base 14 1/4 x 16" (361.95 x 406.4 mm)
Width 23 1/4" (590.55 mm)
Depth 15" (381 mm)
Height 47 1/2" (1206.5 mm)
Tool rest from base 40" (1016 mm)

Bench Type:
Base 8 1/2 x 8 1/2" (215.9 x 215.9 mm)
Width 23 1/4" (590.55 mm)
Depth 11" (279.4 mm)
Height 13 3/4" (349.25 mm)
Tool rest from base 6 5/8" (168.27 mm)

Delta Quality Features



"Thin-Line" Motor. The slim design of the motor, combined with the extra long end bells, assures ample clearance for grinding odd-shaped items and long stock. Totally enclosed, it incorporates double sealed ball bearings, plus an extra seal, to keep out harmful abrasive dust.



(Left) Precision Ground Tool Rests. These fully machined tool rests feature a single mounting screw that locks them rigidly in place, yet they may be quickly removed for accessory attachments. They adjust completely for the exact grinding angle desired. Wrap-around ledges help support odd-shaped work pieces.

(Right) Famous Twin-Lite® Safety Shields. Designed to operate independently of the shop lighting system, they have no equal. Double strength, shatterproof glass safeguards operator's eyes. Special spring clips prevent rattle. Bayonet type bulbs stay tight and are shielded to prevent glare. Ideally placed, they throw a full flood of light on both sides and face of wheel without casting any shadow.



Specially Designed End Bells. Unique end bell hubs are oval in cross section—thick from top to bottom for

extra rigidity—thin from front to back to give an extra measure of room for manipulating odd-shaped work pieces. These hubs extend out extra far, provide more room between the grinding wheel and the motor.

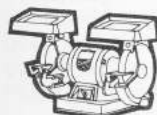
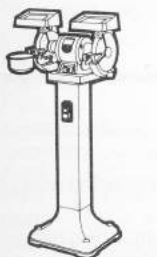
Delta Quality Extras

Adjustable spark deflectors.

Cast Iron wheel guards with integral dust chutes.

Removable steel side plates.

Catalog Listing



Complete 7" Deluxe Grinder, bench or pedestal mounted, with water pot, Twin-Lite® safety shields, wheel guards, tool rests and two wheels (order four No. 23-280 Lamp Bulbs separately).

Catalog Number	Motor	Motor Control	Motor Enclosure	HZ. and Motor RPM	Motor Voltage	Type	Shipping Wt./Lbs.
23-200	Single Phase 1/2 HP	* On-Off Toggle Switch	TENV	60-1725	115/230	Bench	80
23-212		* 24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-1725	115/230	Pedestal	160
23-201		* On-Off Toggle Switch	TENV	60-3450	115/230	Bench	80
23-202		* On-Off Toggle Switch	TENV	50-2850	115/230	Bench	88
23-213		* 24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-3450	115/230	Pedestal	160
23-215	Three Phase 1/2 HP	■ † 24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-3450	230/460	Pedestal	165
23-214		Three Phase Bench Models Not Factory Wired.	TENV	60-3450	200	Pedestal	165
23-206		■ † None (not factory wired)	TENV	60-3450	230/460	Bench	75
23-208		† None (not factory wired)	TENV	60-3450	200	Bench	75

* Motor control switch also can be used to operate Accessory 23-035 Twin-Lite.

† Separate toggle switch furnished for Accessory 23-035 Twin-Lite.

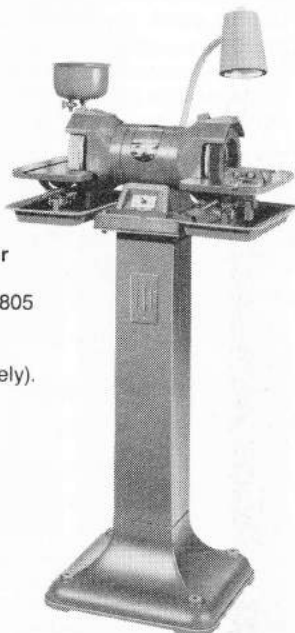
■ For operation of Twin-Lite at 460 volts, end user must supply 100 watt, 460/115 volt transformer.

NOTE: Single phase electricals will be supplied wired for 115 V. Three Phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only.

Delta 6" Tool Grinder

For grinding or lapping carbide-tipped tool bits or sharpening high-speed steel or alloy steel single-point cutting tools.

As a small shop owner you can do your own grinding economically and quickly, right in your own shop, the way you prefer. As a large shop owner you can use the Delta 6" Tool Grinder to relieve the bottleneck on your larger grinders. As a school shop instructor you can teach accurate grinding to your students.



No. 23-501 Bench Grinder shown with Accessory 23-805 Pedestal and Wheels (order separately).

Machine Data

Motor:

Horsepower 1/2
Totally enclosed (TENV)

All motors are dual voltage with reconnectable feature. Single Phase Motors are capacitor-start type.

Wheels Recommended:

Size 6" (152.4 mm) diameter; 1" (25.4 mm) thick; 1" (25.4 mm) face, with 1 1/4" (31.75 mm) hole

Type plate mounted (D6A2C diamond wheels)

Bolt circle 3 1/4" (82.55 mm)

Holes in plate (4): for diamond wheels

For Sil. Carb. and Alum. Ox. wheels 9/32" (5.56 mm), countersunk

wheels 13/32" (10.32 mm), straight

Wheel Flanges:

6" (152.4 mm) diameter, tapped for mounting wheels. Aluminum, dynamically balanced

Tables:

Tilt 45° out and 30° in

Size 7 1/4 x 12 3/4" (184.15 x 323.85 mm)

Groove for sliding angle

jig 3/16 x 1/2" (4.76 x 12.7 mm)

Overall Dimensions, Bench Type:

Height without lamp 14 1/4" (361.95 mm)

Width 24 3/4" (628.65 mm)

Front to back 15" (381 mm)

Base:

Overall space on bench 8 1/2 x 8 1/2" (215.9 x 215.9 mm)

Centers of mounting holes 6 3/4 x 6 3/4" (171.45 x 171.45 mm)

Overall Dimensions, Pedestal Type:

Height without lamp 47 1/4" (1200.15 mm)

Width 24 3/4" (628.65 mm)

Front to back 15" (381 mm)

Base:

Overall space on floor:

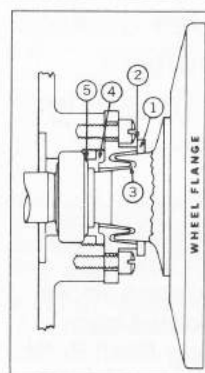
Width 16" (406.4 mm)

Front to back 14" (355.6 mm)

Centers on floor mounting holes:

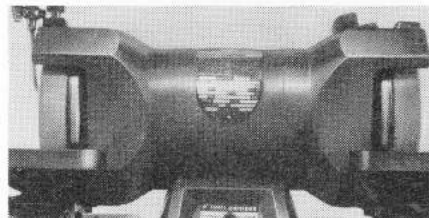
Left to right 11 7/8" (300.87 mm)

Front to back 10" (254 mm)

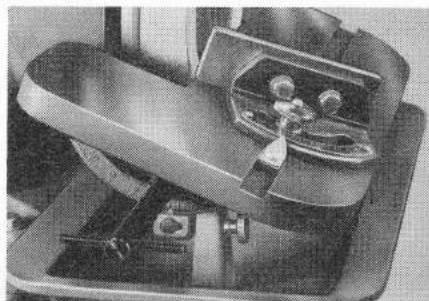


Motor Bearings Protected 5 Ways. It is impossible for water or abrasive grit to reach the motor bearings. Here's why: (1) Neoprene slinger washer throws water off by centrifugal force. (2) Positive contact of washer against seal closes opening to labyrinth. (3) Labyrinth type, centrifugally designed bearing seal

interlocks with wheel flange. (4) Space between labyrinth seal and motor bearing is packed with grease. (5) Actual motor bearing is sealed as final protective measure.



Specially-Designed Motor. Totally enclosed motor has heavy, integrally cast end bells which double as husky, safe wheel guards. All motors are dual voltage, re-connectable type.



Husky, Extra Large Tables. Made of cast iron, they ride on widely spaced trunnions for maximum rigidity in operation. Easy-to-read scales at both ends facilitate tilting to 30° in and 45° out for grinding cutter bit angles easily and accurately.

Catalog Listing



Complete 6" Tool Grinder, Bench Model, with 25-857 Lamp Attachment, 23-663 Water Pot, 31-804 Sliding Angle Jig, motor and on-and-off reversing switch. Less wheels and pedestal.

Catalog Number	Type	Motor — 1/2 HP	Speed RPM	Shp. Wt./ Lbs.
23-501	Bench	115/230 V, 60 Hz, Sgl. Phase	3450	85
23-502	Bench	200-230/460 V, 60 Hz, 3 Ph.	3450	85

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power cord and plug supplied for single phase only.

Delta Quality Features

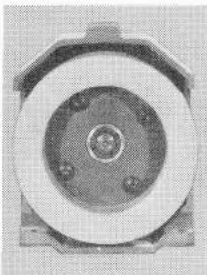


Handy Brake. Convenient Reversing Switch.

Positive brake quickly stops wheels to save valuable production time. Switch instantly reverses wheel rotation so wheel is turning downward at both front and rear grinding points.

Wheel Centering Ring (shown in place).

A ring is provided to automatically center wheels when mounted. Flanges have two sets of mounting holes, one for silicon-carbide or aluminum-oxide wheels and one for diamond wheels.



Delta Quality Extras

Balanced motor and wheels assure extra smooth grinder operation.

Handy water pot with faucet mounts on either right or left side of machine.

Aluminum wheel flanges are dynamically balanced to assure vibration-free running.

Lamp attachment provides a full flood of light at the four grinding points.

Quick-release coolant pans remove easily for fast cleaning.

Delta 1/2 HP Long-Shaft Buffer

Capably handles dozens of buffing, cleaning, polishing and finishing jobs!

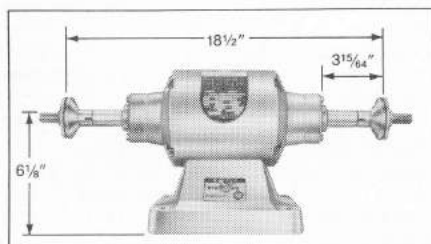
No matter what the operation—removing rust or burrs from castings, polishing or coloring plastic, cleaning parts and pieces, removing tarnish and rust from guns—the Delta Long-Shaft Buffer will more than meet your every job requirement. Actually, its uses are practically unlimited.

Check it, feature for feature, with any other make and you will agree that it is the buffer for you!

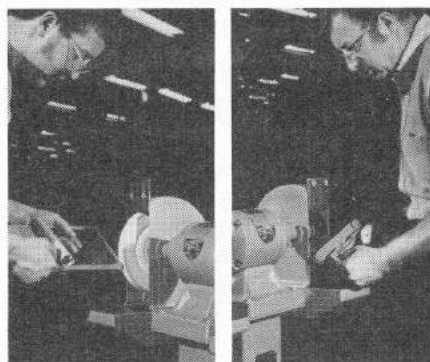
- Unique oval end bell hubs and extra long shafts, which extend $3\frac{15}{64}$ " from bearing seal to wheel flange, provide more room for handling large or oddly shaped work pieces.
- Slim designed, "thin-line" motor and extended shafts assure ample clearance for buffing long stock. Totally enclosed motor incorporates double sealed ball bearings, plus an extra seal to keep out harmful dust.
- Capacitor start, 115/230 V, single phase motor requires low starting current. It won't dim lights like split-phase motors.



No. 23-249 Long-Shaft Buffer
Pedestal Model
shown with
23-281 Accessory
Wheel Guards.

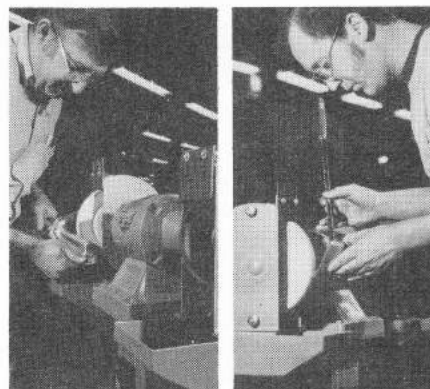


Typical Applications for the Delta 1/2 HP Long-Shaft Buffer



(Left) In Commercial Shops. Plastic manufacturers find the Delta Long-Shaft Buffer an excellent unit for turning down, polishing and coloring plastic pieces and components.

(Right) In Industry. Oval end bell hubs and extra long shafts facilitate the removal of rust and burrs from odd-shaped castings and parts.



(Left) In Repair Shops. Appliance shops appreciate the extra amount of clearance between the motor and the buffing wheel when cleaning and polishing bulky items like sweeper housings.

(Right) In Specialty and "Pro" Shops. The Delta Buffer is ideal for removing rust and tarnish from golf clubs, guns, etc., to provide a factory-new surface in just minutes.

Machine Data

Horsepower 1/2
Shaft:
Diameter $\frac{5}{8}$ " (15.875 mm)
Extends beyond flange $2\frac{1}{2}$ " (63.5 mm)
Frame Diameter $5\frac{23}{32}$ " (145.26 mm)
Distance Between Faces of Wheel Flanges $18\frac{1}{2}$ " (469.9 mm)
Distance from Bearing Seal to Wheel Flange Face $3\frac{15}{64}$ " (82.15 mm)

Centerline of Spindle to Bottom of Base $6\frac{1}{8}$ " (155.57 mm)
Diameter of Wheel Flange $2\frac{1}{2}$ " (63.5 mm)
Dust Collection Capability .. See Page O-4
Overall Dimensions:
Base $8\frac{1}{2}$ " x $8\frac{1}{2}$ " (215.9 x 215.9 mm)
Depth 11" (279.4 mm)
Width $23\frac{1}{2}$ " (596.9 mm)
Height $13\frac{3}{4}$ " (349.25 mm)

Catalog Listing



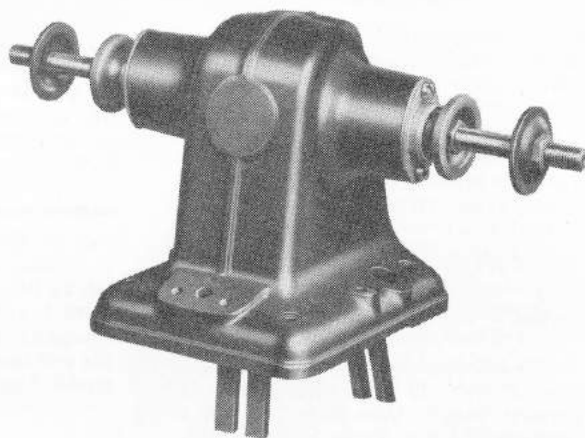
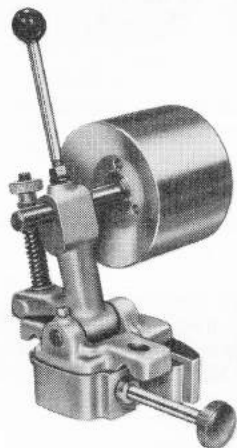
Complete 1/2 HP Long-Shaft Buffer, bench or pedestal mounted, with motor and controls factory mounted and wired as specified below (less wheels and wheel guards).

Catalog Number	Motor	Motor Control	Motor Enclosure	HZ. and Motor RPM	Motor Voltage	Type	Shipping Wt./Lbs.
23-233	Single Phase 1/2 HP	On-Off Toggle Switch	TENV	60-3450	115/230	Bench	43
23-249		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-3450	115/230	Pedestal	128
23-234		On-Off Toggle Switch	TENV	60-1725	115/230	Bench	43
23-251		24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-1725	115/230	Pedestal	128
23-261	Three Phase 1/2 HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-3450	230/460	Pedestal	129
23-263			TENV	60-3450	200	Pedestal	129
		Three Phase Bench Models Not Factory Wired.					
23-241		None	TENV	60-3450	230/460	Bench	43
23-239		None	TENV	60-3450	200	Bench	43

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only.

Delta Grinding and Finishing Components

Build your own grinding and polishing units around the Delta 31-438 arbor head or convert your present polishing lathe using set-up wheels, or your bench grinder using grinding wheels, to the modern coated abrasive belt method of grinding and polishing. With a contact wheel, backstand idler and abrasive belts, most standard floor or bench grinders and most polishing lathes or jacks can be converted at low cost.



4" Right Backstand Idler Unit

Suitable for either left or right side operation. Hand knob swivels drum for belt tracking and lateral adjustment is provided for accurate alignment. Belt tension is quickly adjusted by means of a self-locking hand knob. Convenient lever instantly releases tension for quick belt changing.

No. 31-425 Backstand Idler Unit with 4" wide by 5 3/8" diameter drum, with mounting bolts and instructions for changing from R.H. to L.H. set-ups. 19 lbs.

2 3/4" Left Idler Unit

No. 31-431 — Similar to 31-425 except drum is 2 3/4" wide. Includes instructions for right-hand assembly. 17 lbs.

Arbor Head

Arbor runs in sealed, lubricated-for-life ball bearings; extends 3 1/2" out from the inner flange on either side of the head. 2 1/2" ground Acme thread accommodates contact rolls and wheels from 7/8" to 2 7/8" in width.

No. 31-438 Arbor Head. Complete with dynamically balanced arbor pulley, two drive belts, two 2 1/2" diameter flanges with nuts to fit 5/8" arbor. 25 lbs.

No. 31-877 Rubber Contact Wheel complete. Consists of 31-875 tire and 31-876 hub. 6 lbs.

No. 31-875 Rubber Tire for Contact Wheel

2 1/2" wide, 6" dia. 30-40 durometer (med. soft), with 45° standard serrations. Can be used up to 750 sfpm. A general purpose tire for wood or metal work-stampings, die castings, forgings and contour grinding. 3 lbs.

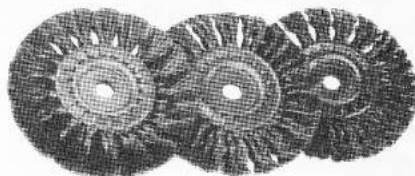
No. 31-876 Hub for Contact Wheel.

5/8" bore, consists of bushing and washer for mounting 31-875 tire and other tires with same mounting dimensions. 3 lbs.



Delta Grinder, Grinder/Finisher and Sander/Grinder Accessories

For All Grinders and Grinder/Finishers



Wire Brushes. For removing rust and scale from metals.

Cat. No.	Diam.	Arbor Hole	Type	Wt./Lbs.
23-113	6"	1/2"	Coarse	1
23-114	6"	1/2"	Fine	1
23-632	6"	5/8"	Fine	1
23-637	6"	5/8"	Medium	1
23-638	6"	5/8"	Coarse	1

Buffing Wheels. For polishing and cleaning all types of materials.

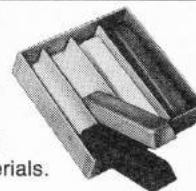
Cat. No.	Diam.	Face	Arbor Hole	Wt./Lbs.
23-005	6"	1/2"	1/2"	3/4
23-825*	8"	3/4"	5/8"	1

* Includes pair of flanges.

No. 23-511 Fiber Brush. Tampico fiber. 6" diameter with 1/2" arbor hole. For general cleaning; not as harsh as wire wheels. 1 lb.

Buffing Compounds

Giant one pound bars of the most common compounds used for buffing, polishing and cleaning all types of materials.



Number	Description	Use
23-007	Rouge (Red)	For gold, silver and other precious metals
23-008	Rouge (White)	For nickel, chromium, iron, stainless steel, cast brass and aluminum
23-009	Emery (Black)	For removing rust, scale and tarnish
23-010	Tripoli (Brown)	For aluminum, brass, copper, pewter, wood, plastic

No. 23-004 Buffing Compound Kit. Consisting of 1/4 lb. bars of compounds: Rouge Red, Rouge White, Emery Black and Tripoli Brown. 1 lb.

For 10" and 7" Grinder/Finisher and Twin Belt Finisher

Abrasive Belts. Aluminum Oxide, cloth backing, closed coat. Package of five.

Cat. No.	Width and Length	Grit and Grade	Wt. Lbs.
23-507	2" x 48"	40 G Coarse	1
23-508	2" x 48"	80 G Medium	1
23-515	2" x 48"	120 G Fine	1
23-516	2 1/2" x 60"	40 G Coarse	1 1/2
23-557	2 1/2" x 60"	80 G Medium	1 1/2
23-556	2 1/2" x 60"	120 G Fine	1 1/2

Grinding Wheels. Aluminum Oxide.

Cat. No.	Dia.	Face	Arbor Hole	Type	Wt. Lbs.
23-826	6"	3/4"	1/2"	36 Grit, Grade O	2 1/2
23-827	6"	3/4"	1/2"	60 Grit, Grade O	2 1/2
23-001	6"	1/2"	1/2"	46 Grit, Coarse	1 1/4
23-002	6"	1/2"	1/2"	60 Grit, Fine	1 1/4
23-620	6"	5/8"	5/8"	38 Grit, Grade O	2
23-621	6"	5/8"	5/8"	60 Grit, Fine	2
23-815	7"	1"	5/8"	60 Grit, Grade N	4
23-816	7"	1"	5/8"	46 Grit, Grade M	4
23-809	8"	1"	3/4"	60 Grit, Grade N	5
23-810	8"	1"	3/4"	46 Grit, Grade M	5
23-817	10"	1"	3/4"	24 Grit	7

Grinding Wheels. Vitreous Aluminum Oxide. Special friable wheels for cool grinding of drills and other cutting tools.

Cat. No.	Diam.	Face	Arbor Hole	Type	Wt. Lbs.
23-828	6"	1/2"	1/2"	54 Grit, Grade K	2
23-267	7"	5/8"	5/8"	46 Grit, Grade N	2
23-811	8"	5/8"	3/4"	46 Grit, Grade G	3

Delta Grinder, Grinder/Finisher and Sander/Grinder Accessories

For 6" Tool Grinder

Grinding Wheels. Silicon Carbide.

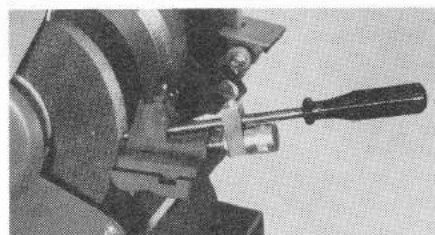
Cat. No.	Diam.	Arbor Hole	Face	Type	Wt. Lbs.
23-661	6"	1 1/4"	1"	60 Grit, Grade H 12	4
23-662	6"	1 1/4"	1"	120 Grit, Grade H 12	4

Grinding Wheels. Aluminum Oxide.

Cat. No.	Diam.	Arbor Hole	Face	Type	Wt. Lbs.
23-841	6"	1 1/4"	1"	46 Grit, Grade G (for roughing)	4
23-842	6"	1 1/4"	1"	80 Grit, Grade J (for finishing)	4

No. 31-804 Sliding Angle Jig. Tilt angle scale, with adjustable pointer, facilitates accurate grinding of compound angles up to 45°, right or left.

For 10", 8", 7" and 6" Tool Grinders; also 10" and 7" Grinder/Finishers

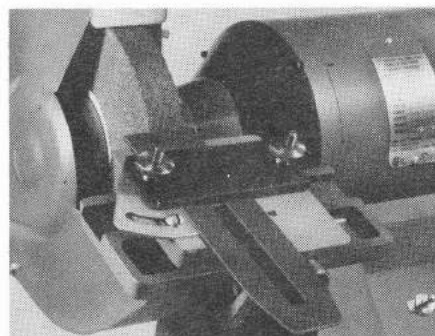


No. 23-312 Diamond Pointed Wheel Dresser. For dressing all types of general grinding wheels. Diamond is securely held. Sturdy tool is 9 1/2" long with a comfortable handle. 1 lb.

No. 23-664 Holder for Diamond Wheel Dresser. Used with No. 23-312 Wheel Dresser. 4 lbs.

No. 23-805 Pedestal for converting Bench Model Grinders and Grinder/Finishers to pedestal type. 52 lbs.

For 10", 8" and 7" Grinders; also 10" and 7" Grinder/Finishers



No. 23-294 Edge Tool Grinding Attachment. For sharpening plane irons, wood chisels, putty knives, scrapers and similar items up to 3 1/4" wide.

Adjustable quadrant permits accurate grinding of angle knives. Use with vitreous aluminum oxide wheel. Can be used with No. 23-312 Diamond Wheel Dresser instead of No. 23-664 Wheel Dressing Tool Holder. 6 lbs.

No. 23-035 Twin-Lite® Safety Shield (one only) with double strength, shatterproof glass. Provides a full flood of light on both sides and face of wheel. Without bulbs. 5 lbs.

No. 23-280 Appliance Type Bulb. Clear glass, 25 watt, 115-125 V, with double contact bayonet "plug-in" base. Order two bulbs for each 23-035 Safety Shield. 1/4 lb.

For 7" Deluxe Grinder

No. 23-292 Motorless Gravity Type Dust Collector for pedestal grinder. Complete with filter, bracket and screws. 29 lbs.

No. 23-293 Replaceable Filter for above. 3 lbs.

No. 23-802 Attachment Kit. For attaching 7" grinder to Delta "High Efficiency" Ferrous Metal Dust Collector. 8 lbs.

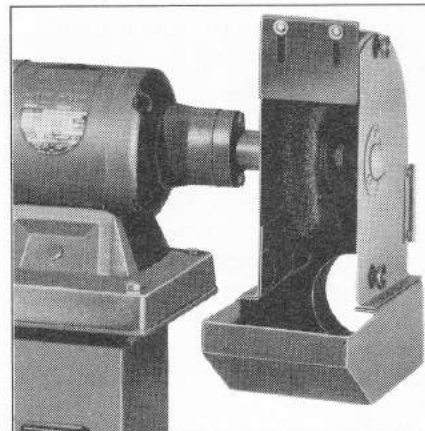
For Information on "High Efficiency" Ferrous Metal Dust Collectors, See Page O-6.



No. 23-296 Drill Grinding Attachment. Grind straight shank twist drills to fit your job—with clearance and point angles at any degree you need. Capacity—1/8" to 5/8" drills. Furnished with No. 23-664 Holder for Wheel Dresser. 12 lbs.

Order No. 23-312 Diamond Wheel Dresser separately.

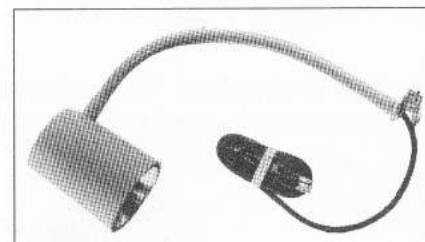
For 1/2 HP Long-Shaft Buffer



No. 23-281 Wheel Guards, one pair, with 3" O.D. built-in dust chutes. Guards increase operator safety when using Long-Shaft Buffer. 20 lbs.

For 6" Bench Grinder

No. 23-845 Edge Tool Grinding Attachment. For sharpening plane irons, wood chisels and putty knives up to 3 1/4" wide. For use with special No. 23-828 Aluminum Oxide Wheel. 6 lbs.



No. 25-857 Lamp Attachment for 115 V. Includes 18" flexible gooseneck, reflector and 6' cord with plug. Uses standard bulb (not included) up to 100 watts. 3 lbs.

Delta Wood Lathes

Choice of Four Model Variations!

16" Electronic Variable Speed Model—The latest in lathe technology! Fingertip speed selection and repeatability plus big 16" diameter by 52" turning capacity.

12" Heavy Duty Model—A variable-speed, gap-bed lathe that offers speeds of 340 to 3200 RPM. This wide speed range, combined with heavy duty construction, makes it well suited for wood turning, metal spinning and light metal turning.

12" Standard Duty Variable Speed Model—Provides speeds of 340 to 3600 RPM, together with big capacities. 12" over bed; 16" over gap; extra large, using outboard spindle; plus 39" capacity between centers.

12" Standard Duty 4-Speed Model—Offers the same fine features as the Variable Speed Model, except it's equipped with four popular speeds at a very economical price.



Delta DL-40 16" Electronic Variable Speed Wood Lathe

The Latest Lathe Technology is at Your Fingertips

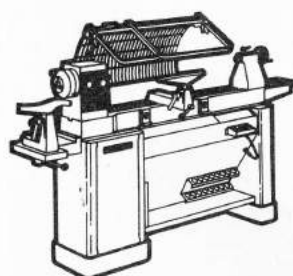


Delta has combined years of experience in the wood-working field with the most advanced electronics technology available in the design of the DL-40 16" Electronic Variable Speed Wood Lathe. The result is a lathe that answers the industry's demands for increased capacity, operator convenience and greater control over accuracy.

- The microprocessor based control offers fingertip speed selection and precise speed repeatability. As a safety option, the lathe can be set in a slo-start mode which limits spindle rotation to 300 rpm each time the lathe is set to run. In addition, the electronics constantly "communicate" with the 1 1/4 HP D.C. motor to assure constant torque transmission, and can compensate for varying loads on the spindle.
- The DL-40 offers more flexibility with an extra long cast iron bed for a full 52" turning length between centers, maximum inboard turning diameter of 16" and 24" diameter on the outboard spindle. The variable speed range from 300-2200 rpm will accommodate both large and small turnings; 300-1000 rpm spindle speeds in reverse for sanding and finishing operations.
- The DL-40 16" Electronic Variable Speed Wood Lathe is well suited for nearly every level of application. Its heavy duty size and capacities suit industrial and commercial shops alike. The accuracy and operating convenience of this machine will make it a favorite among professionals, whereas the built-in safety features should make the DL-40 attractive for school use. Take a look at the benefits offered by this unit today.

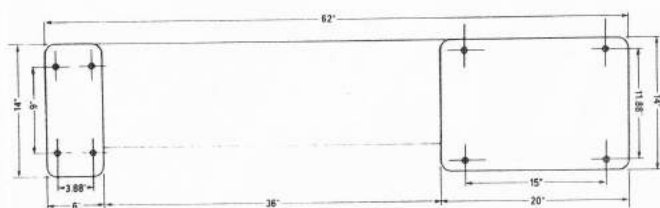
Catalog Listing

No. 46-400 16" Electronic Variable Speed Wood Lathe.



Includes Basic Unit, Cabinet Stand, 1 1/4 HP DC Motor, Motor Pulley and Drive Belt, Microprocessor Control Box, Two-Part Safety Shield, Inside and Outside Tool Support Bases, Bed Extension, Inside French Curl Tool Support, 2" Tool Support, 6" Tool Support, Drive Center, Cup Center, 3" Face Plate, 6" Face Plate, Instruction Manual and Parts List.

Catalog Number	Motor	Motor Control	Motor Encl.	Hz	Operating Voltage
46-400	1 1/4 HP DC	Microprocessor based Push Button Control Overload, Low and No Voltage Protection	TEFC	60	115V



Location of Floor Mounting Holes

Machine Data

Capacities:

Swing over bed	16" dia. (406.4 mm)
Swing over Tool Rest Base	12" dia. (304.8 mm)
Swing on Outboard Spindle	24" dia. (609.6 mm)
Distance Between Centers	52" (1320.8 mm)

Speeds (fingertip control in increments of 10 or 100 rpm)

Forward	300-2200 rpm
Reverse	300-1000 rpm

Spindles

Inboard	1"-8RH thread
Outboard	1"-8LH thread
Hollow Headstock Spindle	5/8" dia. hole (15.8 mm)

Headstock and Tailstock Tapers

	No. 2 M.T.
--	------------

Ram Travel

	3 1/8" (79.38 mm)
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Height (centerline of spindle to floor)

	43" (1092.2 mm)
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Overall Dimensions:

Height	46" (1168.4 mm)
Width	13" (330.2 mm)
Length (w/ outboard table)	86" (2184.4 mm)
(w/o outboard table)	74" (1879.6 mm)

Weight

	485 lbs. (220.45 Kg)
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Motor

	1 1/4 HP DC Motor
--	-------------------

Microprocessor Control:

Stop, run, reverse & speed controls	Membrane "fingertip" Buttons
Speed Display	L.E.D. Readout
On/Off Switch	Raised "Mushroom" Button

Motor Control:

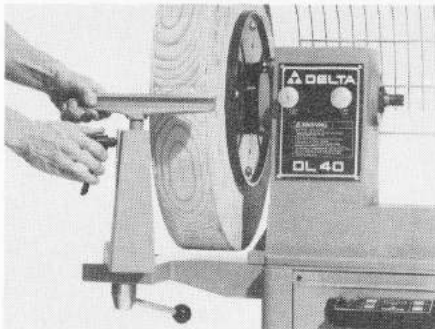
Normal w/ soft-start	Initial speed = 300 rpm
	subsequent runs at operators' preset speed.
Slo w/ soft-start	Initial speed = 300 rpm
	subsequent runs begin at 300 rpm maximum.

Quality Features

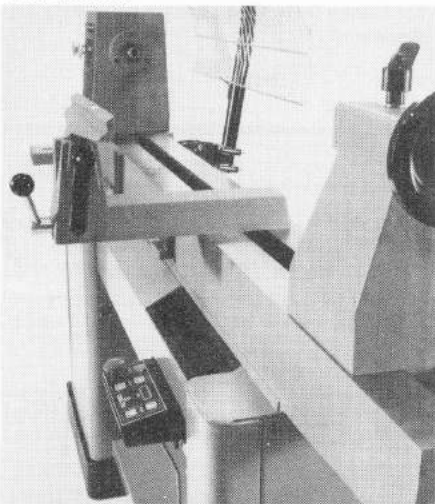


The benefits of microprocessor based control. The advanced electronics used in the DL-40 Wood Lathe actually simplify the overall operation of the machine:

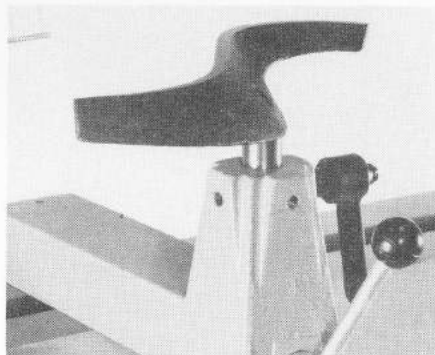
- The machine is turned on by pulling up on the red mushroom start switch. Initially, the LED readout will flash 300 rpm.
- Arrow buttons adjust speed. A single touch changes speed by 10 rpm. Steady pressure alters speed in increments of 100 rpm.
- The spindle will rotate at the preset speed when the "run" button is depressed.
- "Stop" halts spindle rotation temporarily for measurements etc.
- "Rev" reverses spindle rotation for sanding or finishing operations.
- Depressing the red mushroom button turns off the lathe.
- Control box can be operated at either the headstock or tail end of the lathe according to the operator's preference. In addition, the control can be removed entirely to prevent unauthorized use.



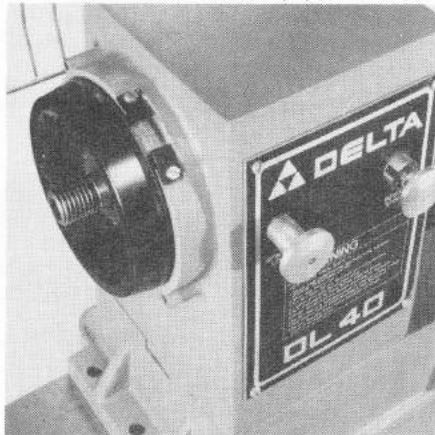
Outboard Turning Convenience with a full 24" dia. capacity. Detachable cast iron shelf is standard; slotted for outboard tool rest base. Note that the microprocessor control box has been moved to the headstock for operator convenience.



Extra long cast iron bed allows spindle turning up to 52" between centers; dampens vibration for higher accuracy. All handles are spring-loaded for fast and easy adjustment.



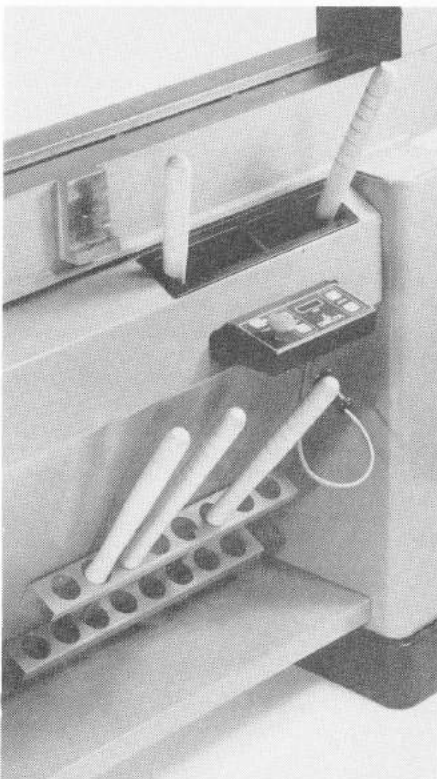
Unique Tool rest base can be positioned at various angles to workpiece, handle can be inserted in any one of three threadings — out of the operators' way. Specially designed French curl tool rest simplifies bowl turnings and is included as standard equipment.



Twenty-four point indexing control simplifies reeding and fluting operations. Degree divisions are changed with hand wheel on outboard spindle and shown on the rotating scale. Spindle lock facilitates face plate changing.



Normal and Slo Start Options determine spindle starting speed. In the normal mode, the operator can resume set running speed for optimum repeatability. Slo-start sets spindle speed at 300 rpm each time run switch is activated. This feature is particularly convenient when there are multiple or inexperienced operators.



Convenient Tool Holders for immediate use or permanent storage are built into the lathe cabinet. If desired, stand is designed to accept sand or other weighting material for added stability.

Delta 12" Heavy Duty Wood Lathe

A big capacity, variable speed, gap bed wood lathe that will provide top-flight performance year after year!

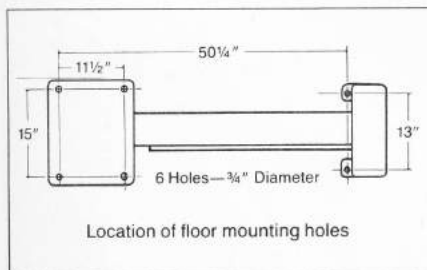
This massive lathe is designed for industry, commercial shops and schools, wherever there is a demand for continued accuracy and long life through years of safe, heavy duty operation.

It offers big capacities. You can, for example, turn stock up to 12" in diameter over the bed—up to 16½" diameter by 3½" thick over the large bed gap—extra large work on the outboard spindle. And with Delta's gap filler block, which actually extends the bed ways into the gap, you get the rigid tool support you need for metal spinning, thin face plate turnings, or any work that must be done right at the headstock.

It incorporates a powerful variable speed drive. Delta's perfected variable speed drive offers a low 340 RPM speed for turning metals or rough woods, plus an infinite choice of speeds up to 3200 RPM for sanding and polishing. This drive, which includes speeds of 900 to 1400 RPM for metal spinning, guarantees smooth, even transmission of power to the spindle under all work loads.



12" Heavy Duty Wood Lathe with safety shield and electricals.



Catalog Listing



Complete 12" Heavy Duty Wood Lathe with deluxe cabinet, 46-808 safety shield, 46-692 12" tool support, 46-805 6" tool support, 46-171 tool support base, 46-430 off-set tool support base, 46-933 drive center, 46-439 cup center, 46-936 3" face plate, 46-937 6" face plate, 49-146 V-belt, 49-195 V-belt, 41-043 3" O.D. motor pulley (5/8" bore), motor, controls and Slow-Start System (see page N-8) factory mounted and wired, ready to run.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
46-611	Single Phase, 1 HP	Push Button Switch Only	TEFC	60-1725	115/230	581
46-612		24 V Push Button Station; Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	588
46-613	Three Phase 1 HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	578
46-614			TEFC	60-1725	200	578

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Delta 12" Heavy Duty Wood Lathes may be ordered unmounted.

Machine Data

Capacities:

Swing over bed 12" (304.8 mm)
 Swing over bed gap 16½" (419.1 mm) dia.
 For 3½" (96.5 mm) stock
 Swing over tool rest 8¼" (209.5 mm)
 Distance between centers 38" (967.2 mm)

Speeds:

With 1725 RPM motor variable from
 340 to 3200 RPM

Spindle:

Nose—inboard 1"—8 RH thread
 Nose outboard 1"—8 LH thread
 Hole (completely
 through spindle) 5/8" (15.8 mm)

Headstock and Tailstock Tapers No. 2 M.T.

Ram Travel 2¼" (57.1 mm)

Height, centerline of

spindle to floor 42¾" (1085.8 mm)

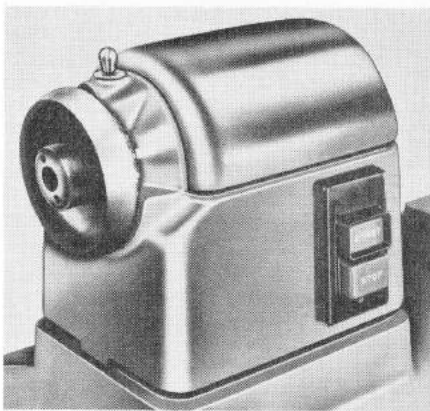
Overall Dimensions:

Height 46½" (1181.1 mm)

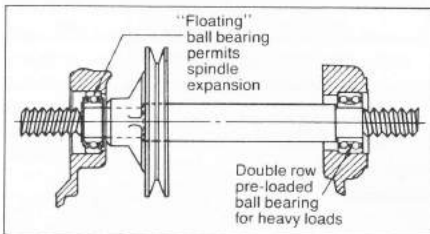
Width 22" (558.8 mm)

Length 63" (1600.2 mm)

Delta 12" Heavy Duty Wood Lathe Quality Features

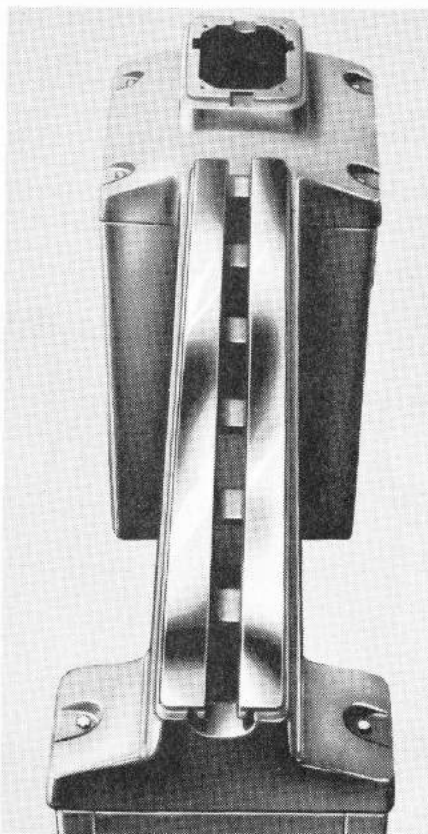


Rugged Head Stock Construction. Head is engineered to give extra rigidity for heavy, rough turning. Cover completely encloses belt and pulleys for added safety and is easy to remove for changing belt.

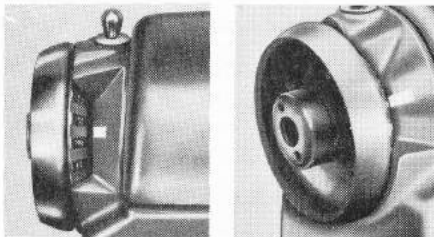


Maximum Thrust Head Stock Spindle. A double row, preloaded, sealed-for-life ball bearing at the work end permits maximum thrust for heavy turning and metal spinning. "Floating" ball bearing construction on the outboard end allows for expansion as spindle warms.

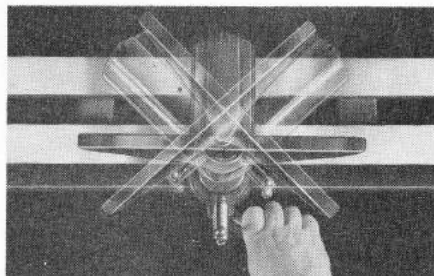
Integrated Slow-Start System. Regardless of which motor and control option you choose for your 12" Heavy Duty Wood Lathe, Delta's slow-start feature is included to help insure safer lathe operation. See page N-8 for detailed information.



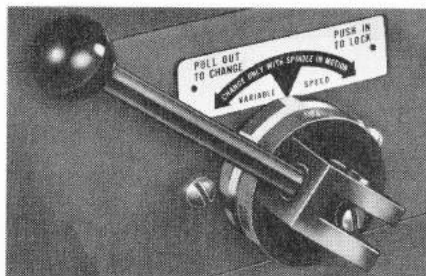
Massive Bed. Lathe bed is scientifically ribbed and ruggedly constructed to minimize vibration. Bed and head stock mounting are precision ground simultaneously for absolute alignment, guaranteeing top quality lathe performance.



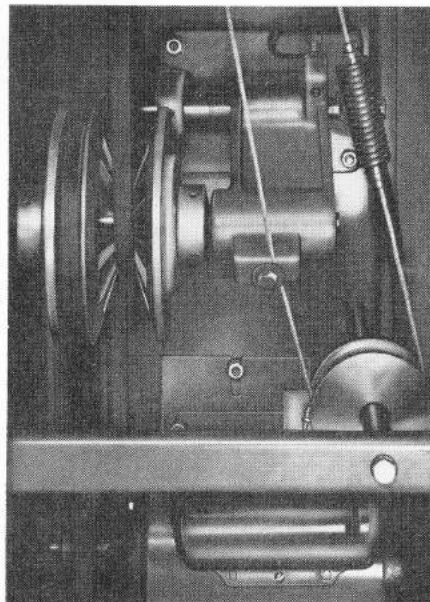
Scientifically Designed Hand Wheel. Large and easy to grip, the indexing and tailstock hand wheels are engineered to conform to the contours of the hand. Indexing of spindle to any of 48 index stops can be done quickly. Extra smooth finish assures maximum operator safety.



Universal Tool Support. It is exceptionally handy and fast in action. Heavy and substantial, it locks to the bed at any desired position by means of the convenient lever at the front where it does not interfere with the work.

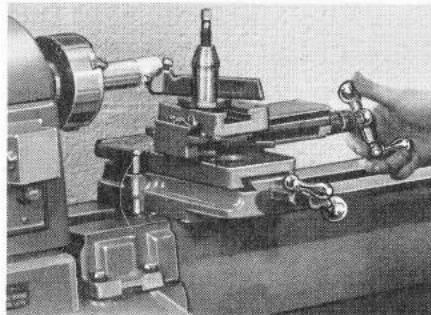


Quick Operating Speed Control. Convenient placement of variable speed control lever permits quick selection of any speed from 340 to 3200 RPM. When "pushed in," lever locks at desired speed, even under heavy loads.



Modern, Efficient Variable Speed Drive.

Gives you all the advantages of a variable speed drive, with an infinite choice of speeds from 340 to 3200 RPM. The simple construction, with few operating parts, makes it function very smoothly. During speed changes, the variable speed pulley moves up or down at the correct angle to maintain perfect belt alignment at all speeds. This assures higher power transmission efficiency.



Gap Filler Block Increases Lathe Versatility. Filler block extends the bed ways into the gap to provide rigid tool support for light metal turning, metal spinning, face plate turning and any work that must be done right at the headstock. Filler block also can be mounted on a bench beyond the tailstock for extra long turnings.

Delta 12" Standard Duty Wood Lathe

A quality built, big capacity lathe at a low price!

Fine features are just one of the reasons the Delta 12" Standard Duty Wood Lathe meets the needs of industry, commercial shops and schools so well.

To appreciate its true value, check the big capacity, rugged construction, safety of design, and the

great versatility (more than 50 Delta lathe accessories can be used). Furthermore, you have a choice of a Variable Speed or a 4-Speed Model to suit your particular job application.

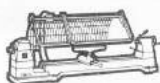


12" Variable Speed Wood Lathe
with safety shield and electricals.



12" 4-Speed Wood Lathe
with safety shield and electricals.

Catalog Listing



No. 46-202 12" Standard Duty Wood Lathe, 4-Speed Model without Cabinet. Includes basic machine with 46-809 safety shield, 46-933 drive center, 46-439 cup center, 46-171 tool support base, 46-692 12" tool support, 46-805 6" tool support, 46-936 3" face plate, 41-733 4-step motor pulley ($\frac{5}{8}$ " bore) and 49-094 V-belt. Without motor and switch. 160 lbs.

Note: Above lathe cannot be used with the Variable Speed Cabinet.

No. 50-150 Cabinet, steel, sturdily constructed, totally encloses motor and drive, has hinged motor plate for easy speed changes, and two shelves. 110 lbs.



Complete 12" Standard Duty Wood Lathe, 4-Speed Model with Cabinet, standard equipment as listed in No. 46-202, plus motor and controls factory mounted and wired, ready to run.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
46-221	Single Phase, $\frac{3}{4}$ HP	Push Button Switch Only	TEFC	60-1725	115/230	305
46-222		24 V Push Button Station; Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	312
46-223†	Three Phase, $\frac{3}{4}$ HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	317
46-224			TEFC	60-1725	200	317



Complete 12" Standard Duty Wood Lathe, Variable Speed Model with Cabinet, including 46-809 safety shield, 46-933 drive center, 46-439 cup center, 46-171 tool support base, 46-692 12" tool support, 46-805 6" tool support, 46-936 3" face plate, 41-033 motor pulley ($\frac{5}{8}$ " bore), 49-354 upper V-belt, 51-008 lower V-belt, motor and controls factory mounted and wired, ready to run.

Catalog Number	Motor	Motor Control	Motor Enclosure	Hertz and Motor RPM	Motor Voltage	Shipping Wt./Lbs.
46-541	Single Phase, $\frac{3}{4}$ HP	Push Button Switch Only	TEFC	60-1725	115/230	410
46-542		24 V Push Button Station; Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	417
46-543†	Three Phase, $\frac{3}{4}$ HP	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	422
46-544			TEFC	60-1725	200	422

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Delta 12" Standard Wood Lathes may be ordered unmounted.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 46-223 or 46-543, in order to obtain 12" Standard Duty Wood Lathe with "JIC" type electricals, factory mounted and wired.

Machine Data

Capacities:

Swing over bed 12" (304.8 mm)
 Swing over bed gap 16" (406.4 mm) dia.
 For 2½" (63.5 mm) stock
 Swing over tool rest 8⅜" (212.7 mm)
 Distance between centers 39" (990.6 mm)

Speeds:

Variable speed model 340 to 3600 RPM
 Four speed model 915, 1380, 2150,
 3260 RPM

Spindle:

Nose—inboard 1"—8 RH thread
 Nose outboard 1"—8 LH thread
 Hole (completely
 through spindle) ⅝" (15.8 mm)

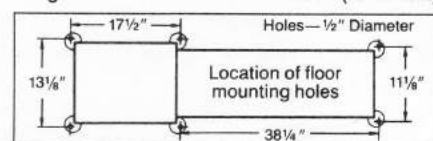
Headstock and Tailstock Tapers No. 2 M.T.

Ram Travel 2¼" (57.1 mm)

Height, centerline of
 spindle to floor 41¾" (1060.4 mm)

Overall Dimensions:

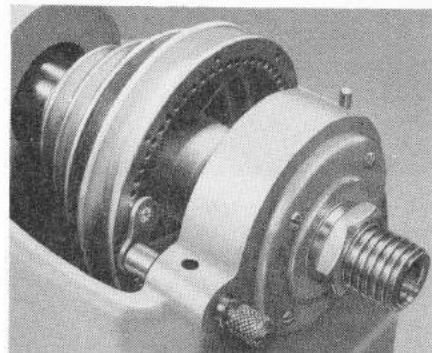
Height 45¼" (1149.3 mm)
 Width 16½" (419.1 mm)
 Length 60" (1524 mm)



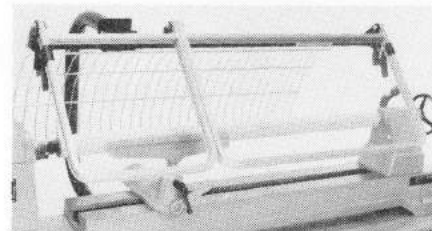
Delta 12" Standard Duty Wood Lathe Quality Features

Single row ball bearing Double row
 preloaded ball bearing

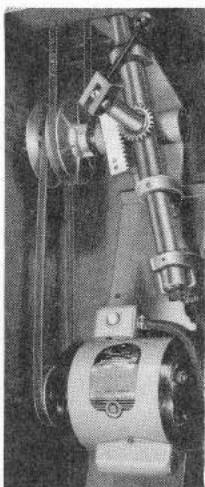
Rugged Headstock Construction. Spindle drive is placed between inboard and outboard bearings, reducing spindle whip to a minimum. A double row, preloaded, sealed-for-life ball bearing at the inboard end permits maximum thrust for heavy turning and metal spinning—"floating" ball bearing construction on outboard end allows for expansion as spindle warms up.



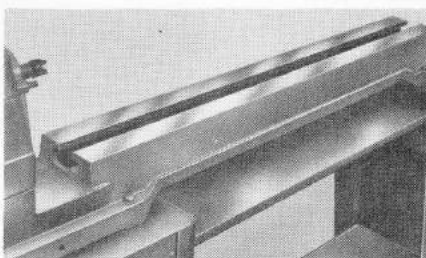
Famous Indexing Mechanism. Two rows of holes in headstock pulley—8 and 60—can be engaged quickly by the unique indexing pin. Thus, you can obtain the maximum number of index divisions for reeding and fluting.



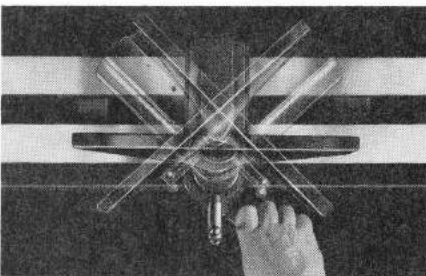
Safety Shield. Made of high impact plastic with extruded aluminum alloy frame and support for maximum strength and safety. Heavy wire grid back shield provides added operator protection.



Smooth Operating Variable Speed Drive. Simply constructed, dual belt drive has few operating parts. Ball bearing jack shaft, that raises and lowers quickly by means of a rack and pinion, always keeps belts in perfect alignment. This assures higher power transmission efficiency than with "old-fashioned" spring-loaded knives.



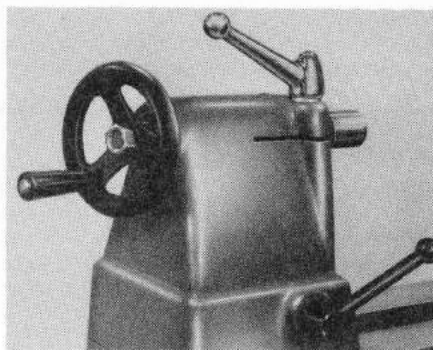
Massive Bed. Made of fine grained cast iron, bed is scientifically ribbed and ruggedly constructed to minimize vibration. Bed and headstock are precision ground for perfect alignment, assuring high quality lathe performance.



Universal Tool Support. It is exceptionally handy and fast in action. Heavy and substantial, it locks to the bed at any desired position by means of the convenient lever at the front where it does not interfere with the work.



Convenient Controls. Variable speed control lever is conveniently placed for quick selection of any speed from 340 to 3600 RPM. When "pushed in," lever locks at desired speed. Adjacent push button switch has a shrouded start button to prevent accidental starts and a protruding stop button for fast emergency stops.



Modern Tailstock Controls. Fast operating cam clamp quickly locks massive tailstock to bed. Positive 360° wrap-around clamp firmly holds ram in position selected. Non-jamming No. 2 M.T. ram automatically ejects centers when retracted. Ram travels a full 2¼" and is graduated in ⅛ths.

Delta 12" Economy Wood Lathe

Get the 12" Standard Duty 4-Speed Wood Lathe mounted on an Open Steel Stand and Save!

Offers the same big turning capacity, rugged construction, safety, convenience and versatility of the quality built standard duty model.

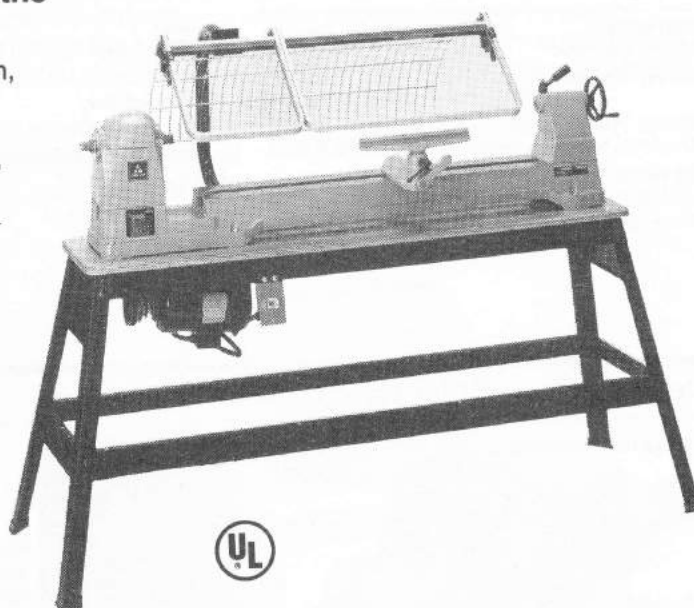
Catalog Listing



No. 46-204M 12" Economy Wood Lathe with 3/4 HP Motor. Includes basic machine with open steel stand, 3/4 HP, 115/230V, 60 Hz., single phase motor with cord, switch and plug, safety shield, drive and cup centers, tool support base, 6" and 12" tool supports, 3" face plate, 4-step motor pulley (5/8" bore) and V-belt. 250 lbs.

No 46-204 12" Economy Wood Lathe. Basic machine with open steel stand less motor and switch. 215 lbs.

No. 62-247 Motor. 3/4 HP, 115/230V, single phase, resilient mount, ball bearing, capacitor start, 1725 RPM. With 8' cord, 115V grounding type plug and on-off toggle switch. 34 lbs.



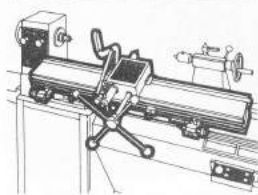
Delta Wood Turning Duplicator

The answer to perfect replication!

Creates perfectly matched spindles to design or from an original. For use on Delta 12" and 16" Wood Lathes or most other 12" - 16" units with cast or channel bedways.

Features include: die-cast aluminum carriage that glides along an aluminum extension bed on friction-free nylon pads, a continuous traveling nylon strip that clears away dust and shavings, eccentric 6mm dia. steel guide pin that maintains pattern contact to reproduce demanding shapes in detail, built-in locking mechanism for parallel cutting, cutting depth that can be set with micro-adjustment knob or turret which alters depth of cut in 1/8" increments up to 1", two-sided high-speed steel cutter to cut in both directions, convenient four-spoke handwheel and more.

Catalog Listing



No. 46-408 Wood Turning Duplicator. Includes basic unit with aluminum bed and carriage, hardware for mounting to Delta 12" and 16" Lathes, high-speed steel cutter and instruction manual.

Machine Data

Max. Duplicating Length	36" (914.4 mm)
Max. Duplicating Diameter	6" (152.4 mm)
Max. Duplicating Depth	3" (76.2 mm)
Max. Dia of Original Spindle	5" (127.0 mm)
Max. Width of Template	3" (76.2 mm)
Drive System	Rack and Pinion
Pattern	Original Spindle or Template
Max. Depth of Cut per Pass	1/8" recommended, 1/4" maximum
Cutter	High Speed Steel

Accessories

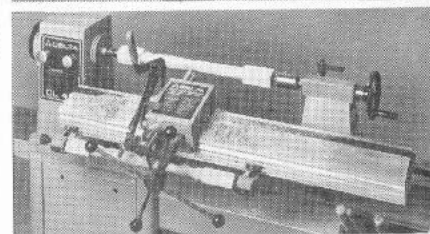
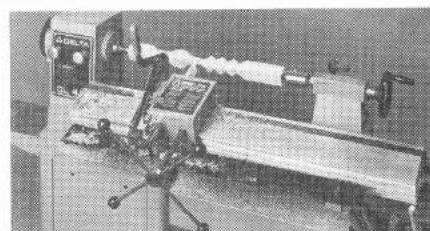
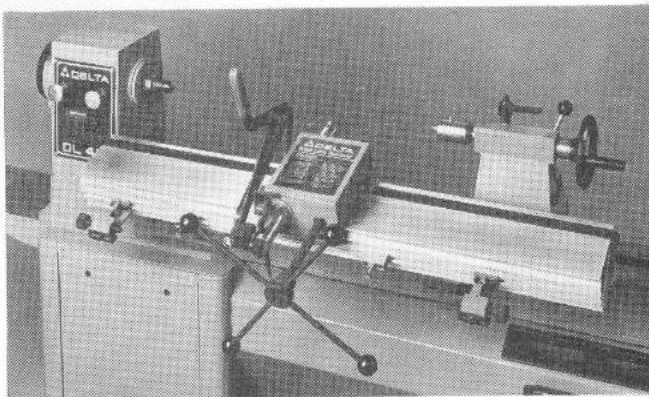
No. 46-409 Steady Rest for holding small dia. spindles securely on 16" lathes.

No. 46-468 Steady Rest for holding small dia. spindles securely on 12" lathes.

No. 46-415 Replacement Cutting Tool. High-speed steel.

The Delta Duplicator produces duplicate turnings quickly and easily using a template or an original spindle as pattern guide.

NOTE: The clearview cutter guard, installed as standard equipment, has been removed for clarity.

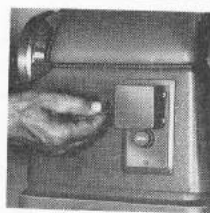


Delta Slow-Start System for Wood Lathes

Makes lathe operation safer! Ideal control for school shops

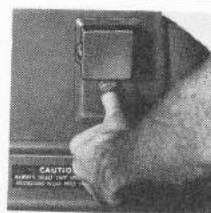
You can order your Delta Heavy Duty 12" Wood Lathe with a motor and slow-start manual or magnetic control system, mounted and wired, ready to run.

See Page N-4 for motor and control options available. Delta's Slow-Start System helps insure safer lathe operation, as shown at right.



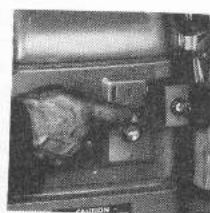
(Left) The Delta Slow-Start System provides maximum safety for novice lathe operators in schools, training institutions, etc. With it the lathe can be started *only* at the slowest speed. Above, the shop instructor locks hood after pressing switch button to "on" position, ready for student's use.

(Right) Now, student starts lathe by merely pulling variable speed control lever to right. When desired speed is obtained, he pushes lever in, locking it in position. Then he proceeds to operate the lathe.



(Left) Should a danger signal suddenly appear, the operator's first reaction would be to stop the lathe. This he does by pressing the "stop" button. Now the lathe cannot be started again by actuating the variable speed control lever since the current is off. The locked hood also makes the "start" button inaccessible.

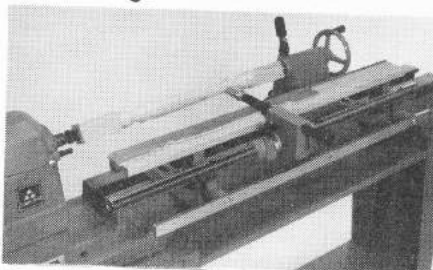
(Right) Next, the difficulty is determined, either by the student or the instructor, and corrected. Then, the instructor must unlock the hood, press the "start" button and lock the hood again before the student can proceed.



Delta Wood Lathe Accessories

Wood Turning Duplicator

For accurate duplication of complex wood turnings

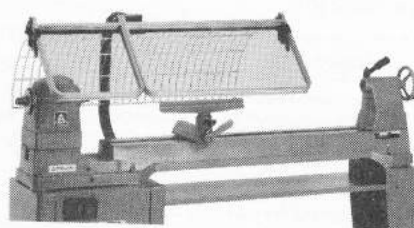


Enables you to reproduce complicated turnings perfectly—patterns, balusters, lamps, table and chair legs—up to 4" in diameter to a maximum length of 28½". Installs in minutes to your Delta or other 12" wood lathe.

No. 46-840 Wood Turning Duplicator. For 12" Wood Lathes. Includes ¼" x ¼" ground to shape cutting tool bit. 24 lbs.

Wood Lathe Safety Shield

Provides Additional Operator Safety and Protection on All Wood Turning Operations.



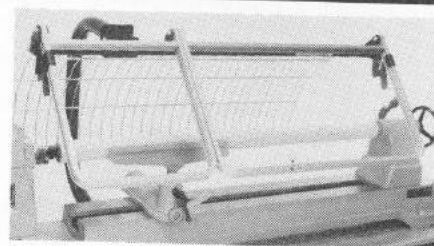
Complies with OSHA Regulations: Sections 1910-213-0-2 and 1910-213-0-4.

Made of high impact ¾" thick plastic with extruded aluminum alloy frames and support for maximum strength and safety. Its dual, flat rectangular front panels (12" x 12" and 12" x 24") provide a clear, unobstructed view of the work area with little or no distortion. A heavy wire grid back shield provides added operator protection.

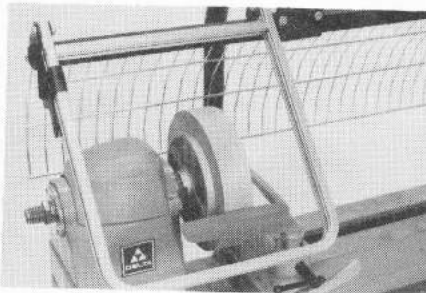
Friction-drag type hinges hold the independently adjustable panels in the raised, lowered operating position or any in-between setting. Positive down-locks securely hold the shield in its operating position.

A universal type mounting system permits limited fore and aft, vertical and angular adjustment. Standard equipment on all Delta 12" and 16" Wood Lathes, the system is adaptable to most any lathe.

No. 46-809 Wood Lathe Safety Shield. For 12" and 16" Wood Lathes. Includes two front panels, wire grid back guard, mounting arm assembly and installation instructions. 22 lbs.

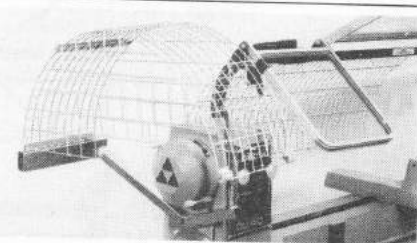


Operation Between Centers. Here the Delta Safety Shield is in lowered operating position ready for spindle turning. Full working area coverage provides adequate operator protection with easy accessibility to work.



Headstock Operations. Only the smaller panel of the Delta Safety Shield need be used for inboard face plate turning. Both edge and internal turning are easily accomplished, yet operator is protected.

Outboard Lathe Safety Shield

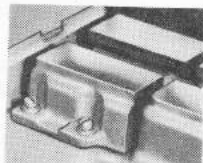


No. 46-811 Outboard Wood Lathe Safety Shield. For 16" Wood Lathe. Includes mounting hardware, see-thru plastic and wire grid shields. Accommodates outboard turnings up to 24" diameter x 9" wide.

Gap Filler Block

Provides rigid tool support for metal spinning, thin face plate turnings, any work that must be done right at the headstock. Can be mounted on a bench beyond tailstock end of lathe bed for extra long turnings. The No. 46-697 Floor Stand is recommended for this operation.

No. 46-440 Filler Block for mounting in gap or beyond bed of 12" Heavy Duty Wood Lathes bearing Serial No. 124-9001 and higher. 6 lbs.



Floor Stand

No. 46-697 Floor Stand. Heavy and rigid. For face plate work on the outboard end of the spindle. Accommodates tool support with 1" shank.



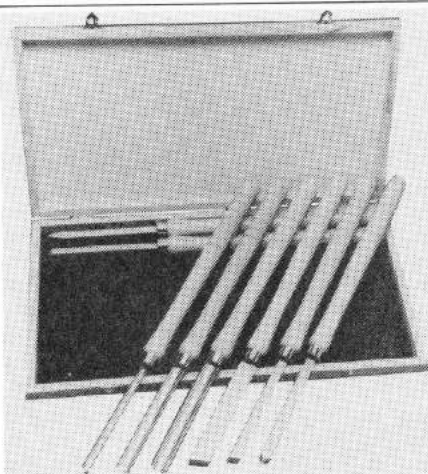
Delta Wood Lathe Accessories (continued)

Wood Lathe Turning Tools

A complete set of 8 basic wood turning chisels in five different shapes.

- High grade alloy steel blades to hold cutting edges longer
- Precision ground cutting edges for cleaner, smoother turning
- Extra-long 14" hardwood handles for better control
- Heavy gage metal ferrules for longer tool life
- Set includes handy wooden box for storage and organization.

- No. 46-731 1/4" Gouge
 No. 46-732 5/8" Gouge
 No. 46-733 3/4" Gouge
 No. 46-734 1" Skew
 No. 46-735 1/2" Skew
 No. 46-736 1/2" Round Nose
 No. 46-737 1/2" Spear Point
 No. 46-738 1/4" Parting Tool
 No. 46-730 Set of Above 8 Chisels



Wood Lathe Turning Tools from Robert Sorby, Ltd.

A line of turning tools for the professional woodturner made by the renowned Robert Sorby of Sheffield, England for Delta.

- Top quality Sheffield high speed steel blades.
- Individually hardness tested to guarantee edge retention.
- Hand-polished selected ash handles for strength and resilience.
- Designed in cooperation with the world's leading woodturners.

Description	Cat. No.	Size		Application
Roughing Out Gouge	46-641	3/4"		An essential tool for between center (spindle) work. This tool will quickly turn down square stock to round. The nose, being ground square across, allows all the edge to be utilized. All roughing out of spindle work can be achieved with this tool and is also ideal for long shallow curves.
	46-642	1 1/4"		
Bowl Gouge	46-643	1/4"		Deep fluted to allow heavy cuts to be taken. The tool is used over on its side (about 15-20° off the vertical) with the flute pointing in the direction of the cut. It is important to let the bevel rub behind the cut in order to obtain a smooth, even finish.
	46-644	3/8"		
	46-645	1/2"		
Spindle Gouge	46-646	1/4"		The gouge is used on its side with the flute pointed in the direction of the cut. When making hollows—a scooping action is required to maintain bevel contact. When making beads—a rolling action is used—the tool ending up on its side. Always cut from a larger to a smaller diameter—never cut uphill.
	46-647	3/8"		
	46-648	1/2"		
Oval Skew Chisel	46-649	1/2"		A unique innovation—developed by Sorby to overcome many of the problems of traditional chisels made from rectangular section steel. Retains strength but lighter weight gives sensitivity for fine finishing cuts. Slides smoothly—no corners to damage tool rest.
	46-650	3/4"		
	46-651	1"		
	46-652	1 1/4"		
Standard Parting Tool	46-653	1/8"		Used for parting off and producing small beads. 1/8" size particularly economical when using expensive stock.
Diamond Section Parting Tool	46-654	3/16"		An excellent all around Parting Tool. This tool is shaped to give clearance to the cut.
Fluted Parting Tool	46-655	3/16"		Used with the flute downwards. This tool gives an exceptionally good finish—even when parting through end grain. Sides taper ground for clearance.
Bedan	46-656	3/8"		A heavier duty beading and parting tool. Single bevel for rolling beads. Sides taper ground for clearance when working into face of discs, etc.
Square End Scraper	46-657	1"		Used mainly on the outside of bowls. The nose can be reground to a desired shape to suit a specific requirement.
Round Nose Scraper	46-658	1/2"		Useful for, most hollowing work but not intended for use between centers.
Round Side Cutting Scraper	46-659	3/4"		The burr produced during grinding will enable a very fine finishing cut to be taken. Side cut particularly useful for inside egg-cups, boxes, goblets, etc.

Metal Turning Accessories

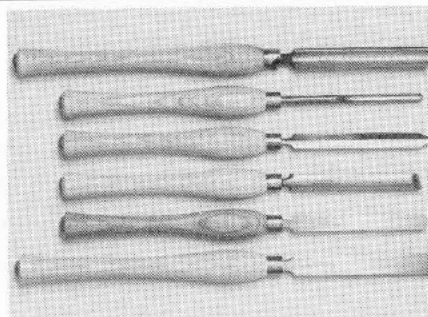
No. 46-961 Compound Slide Rest. For 12" Wood Lathes. Accurately built with dovetail ways and graduated compound base that rotates 360°. Feed screws are covered to protect them from dirt and chips—fitted with micrometer sleeves, accurately graduated. With tool post, rocker, washer and wrench. 31 lbs.

No. 46-963 Holder for Boring Bar and Tool Bits. For use with the No. 46-961 Slide Rest. 1 lb.

No. 46-966 Boring Bars, set of three. 1/8", 3/16" and 1/4". 1/2 lb.

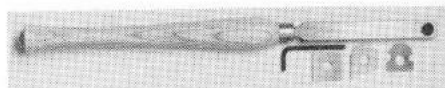
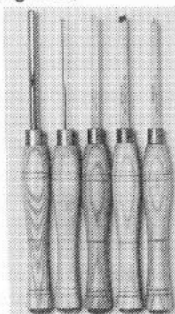
No. 46-954 Tool Bits, set of four, high-speed steel, 1/4" x 1/4" x 1 7/8", includes roughing, finishing, right corner and left corner. 1/2 lb.

No. 46-939 60° Plain Center for metal turning, hardened and ground. 3/8 lb.



No. 46-640 Set of 6 Spindle Turning Tools. Includes the six basic tools for turning between centers: 3/4" Roughing Out Gouge, 3/8" Spindle Gouge, 3/4" Oval Skew Chisel, 3/16" Diamond Section Parting Tool, 1/2" Round Nose Scraper and 1" Square End Scraper.

No. 46-670 Set of 5 Micro Turning Tools. Only 10" long overall. Includes 1/4" Roughing Out Gouge, 1/8" Spindle Gouge, 1/4" Round Nose Scraper, 1/4" Skew Chisel and 1/16" Parting Tool.



No. 46-660 Universal Scraper. Complete with three high-speed steel, interchangeable cutters: square, full round/skew and round/square. Versatile, strong, durable—for the value conscious craftsman.

High-Speed Steel Replacement Cutters Only. For use with 46-660 Universal Scraper. Each with four cutting edges.

Cat. No.	Description
46-661	Square
46-662	Full Round/Skew
46-663	Round/Square

Chucks

No. 46-950 3-Jaw Universal Chuck. 6" dia. 1"—R.H. thread. Internal and external jaws. Wrench.



No. 46-951 4-Jaw Independent Chuck. 6" dia. 1"—8 R.H. thread. Reversible jaws. Wrench.

No. 46-968 Geared Chuck with key. With No. 2 M.T. shank. For drilling on the lathe. 0 to 1/2" capacity. 2 lbs.

Centers

All with No. 2 M.T. shank.



No. 46-933 Spur Drive. For headstock. Has replaceable center pin, hardened and polished. 3/8 lb.



No. 46-439 Cup, Dead. For tailstock. Has replaceable center pin, hardened and polished. 3/8 lb.



No. 46-940 Screw Center. Excellent for turning small, delicate work. With 1 1/16" long replaceable screw. Has 1 1/2" diameter face 1/2 lb.

No. 46-935 Adapter. With 1/2 x 1 1/8" plain shank. Permits use of all attachments with 1/2" bore. 3/8 lb.



No. 46-490 Ball Bearing Center with three replaceable centers and wrench. Husky and true running with no chatter. Has double-row, sealed, lubricated-for-life bearings to take exceptionally heavy radial and thrust loads. 1 lb.

Knockout Bar

No. 46-905 Knockout Bar, 10 7/8" from end of tip to ball. For removing centers and other attachments. 1 lb.

Draw Bolts

For holding No. 2 M.T. attachments, including sanding drums and screw centers. With 1/4"—20 thread. 1 lb.

No. 46-916 Draw Bolt with 1/4"—20 thread for hollow spindles which are 13 1/2" long. For 12" Heavy Duty Wood Lathe. 1 lb.

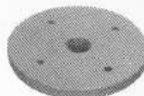
No. 46-850 Draw Bolt with 1/4"—20 thread for hollow spindles which are 9 3/4" long. For 12" Standard Duty Wood Lathe.

Face Plates and Hand Wheel

With 1"—8 thread.

No. 46-936 Face Plate. 3" diameter with R.H. thread. For small and medium face plate work. 1/2 lb.

No. 46-937 Face Plate. 6" diameter with R.H. and L.H. thread to fit spindles with 1"—8 thread. For large face plate work. 2 lbs.



No. 46-938 Hand Wheel. 5" diameter. Fits L.H. end of lathe spindle with 1"—8 thread. For quick positioning of work or rapid stopping of lathe. 2 lbs.

No. 46-406 Face Plate. 14" diameter with R.H. and L.H. thread to fit spindle of 16" Wood Lathe. For large face plate work.

Sanding Drums & Sleeves

No. 46-163 Abrasive Drum, 3 x 3", with No. 2 M.T. shank. 2 lbs.



No. 46-164 Abrasive Drum, 1 3/4 x 2", with No. 2 M.T. shank. 1 lb.

3" diameter x 3" Sleeves. Package of 6. For use with 46-163 Sanding Drum.

No. 46-138 Coarse Garnet. No. 1 1/2 grit. 1/2 lb.

No. 46-832 Medium Garnet. No. 1/2-60 grit. 1/2 lb.

No. 46-338 Aluminum Oxide (for metal). No. 1-50 grit. 1/2 lb.

1 3/4" Diameter x 2" Sleeves. Package of 6. For use with 46-164 Sanding Drum.

No. 46-638 Coarse Garnet. No. 1 1/2-40 grit. 1/4 lb.

No. 46-837 Medium Garnet. No. 1/2-60 grit. 1/4 lb.

No. 46-838 Aluminum Oxide (for metal). No. 1-50 grit. 1/2 lb.

Tool Rests and Bases

Heavy and strong with 1" diameter shank.

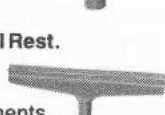
No. 46-690 Tool Rest. 4" wide. 1 lb.



No. 46-805 Tool Rest. 6" wide. 2 lbs.



No. 46-692 Tool Rest. 12" wide. 2 lbs.



No. 46-431 Calibrated Tool Rest. 12" wide. Has a calibrated, hardened steel insert for making accurate measurements and divisions on work. 4 lbs.



No. 46-694 Tool Rest. 24" wide. For extra long turnings. Has two 1" diameter shanks. Requires an extra 46-171 Tool Support Base for use on lathe. 4 1/2 lbs.

No. 46-695 Right Angle Tool Rest. Especially useful for face plate work. 2 lbs.



No. 46-405 Outboard French Curl Tool Support. For use on outboard end of spindle. Simplifies bowl turnings.

No. 46-404 Inboard French Curl Tool Support. For bowl turning on inboard end of spindle.



No. 46-171 Tool Rest Base. For 1" diameter shank tool rests. With universal locking mechanism. 9 lbs.

No. 46-430 Off-Set Tool Rest Base. For 1" diameter shank tool rests. For face plate turning on extra large stock over the gap. 4 lbs.



46-403 Tool Support Base. For inboard use on 16" Wood Lathe. Accommodates 1" diameter shank tool rests.

No. 46-468 Steady Rest. For 12" Wood Lathe. Capacity up to 2 1/4" diameter; 6" center height. Prevents spring and vibration when working long, thin stock. Has heavy cast iron base with sliding arms of steel. 7 lbs.



No. 46-409 Steady Rest. For 16" Wood Lathe. Capacity 1/2" to 3" diameter; 8" center height. Ball bearing equipped sliding arms.

No. 46-491 Tool Rest. For use with metal spinning tools. Has multiple openings for positioning of fulcrum pin. 3 1/2 lbs.

Screw-On Arbors

No. 46-144 Screw-On Arbor, with 1"—8 R.H. thread. For mounting 1/2" hole grinding wheels, buffing wheels, wire brushes, etc. 1 lb.

No. 46-145 Screw-On Arbor. Same as No. 46-144 except with 1"—8 L.H. thread. 1 lb.

For complete selection of grinding, wire, fiber and buffing wheels; buffing compounds for use with Screw-On Arbors refer to Grinder Accessories.

Disc Sanding Accessories

No. 46-934 Sanding Disc with one garnet disc. 8 1/2" diameter. With 1"—8 R.H. thread. 3 lbs.

Abrasive Paper Discs

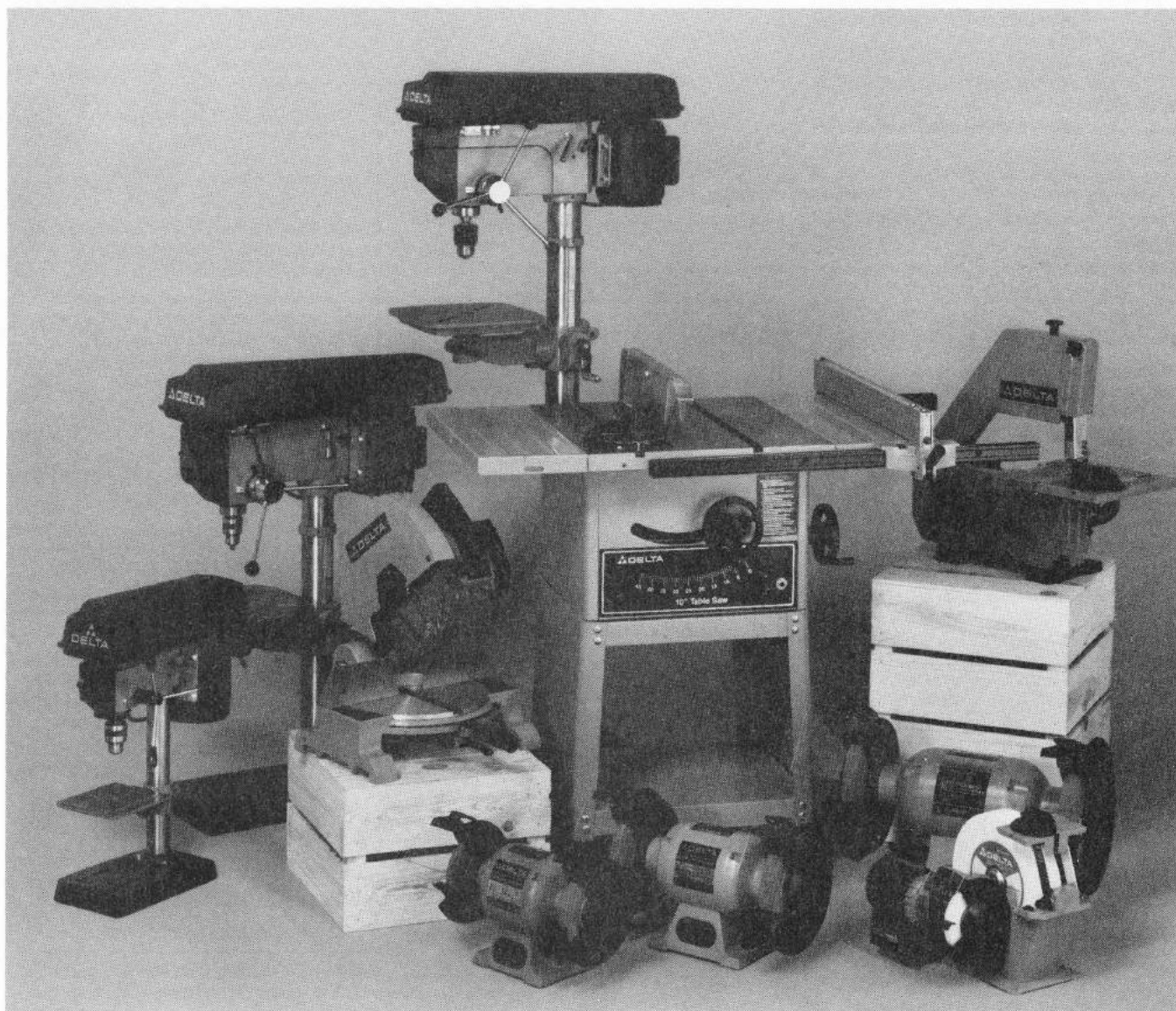
Garnet, package of 12, 8 1/2" diameter, fine and coarse, for use with 46-934 Sanding Disc. 1 lb.

No. 46-815 Garnet Paper Disc, 40 grit.

No. 46-817 Garnet Paper Disc, 80 grit.

No. 49-503 Disc Adhesive. Special quick drying type for changing from one abrasive disc to another in a few minutes. 1 lb.

Delta Machinery for Building Trades and Home Shops



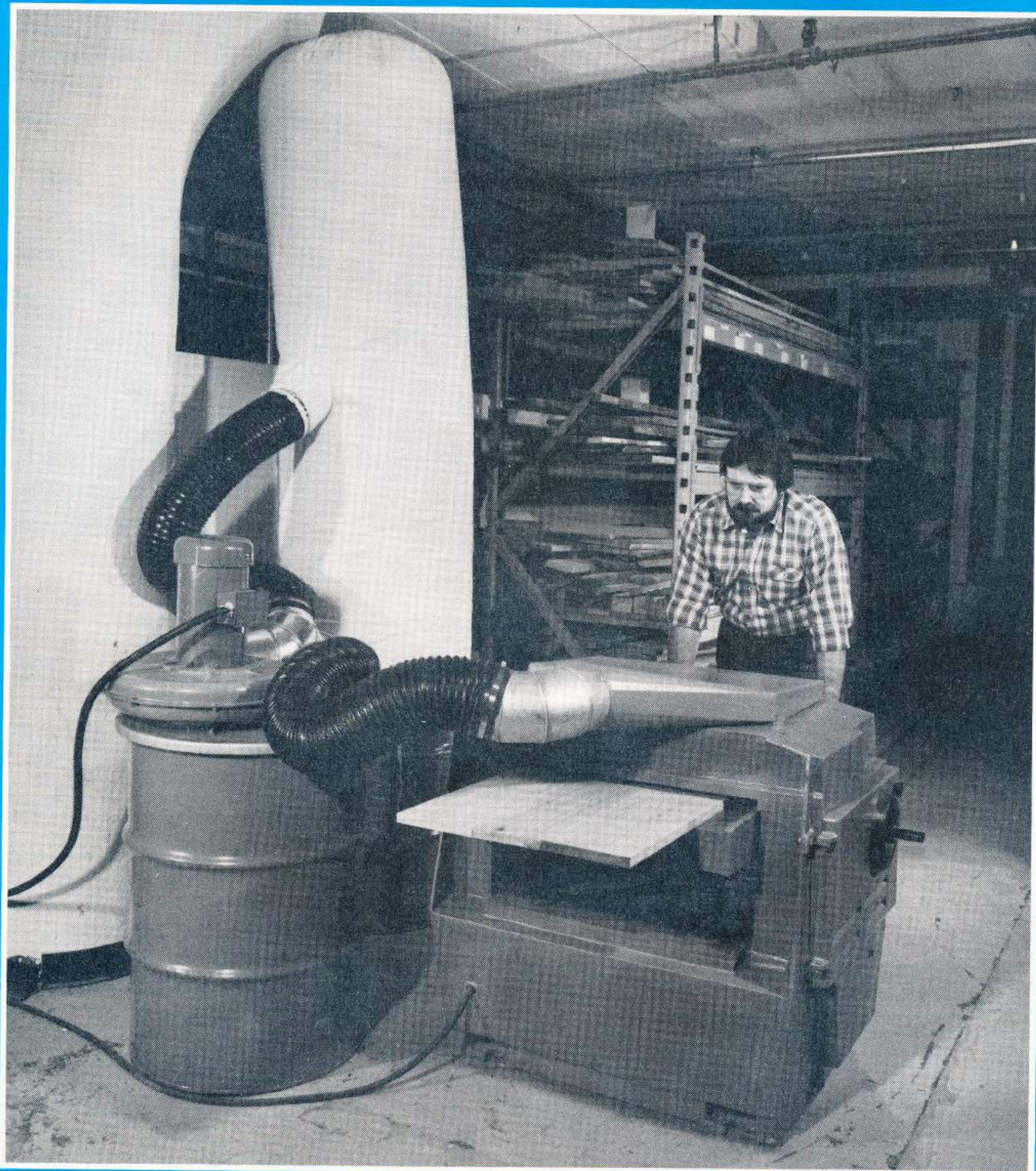
If you have need for fine building trades or home shop machinery, you can rely on Delta. Manufacturers of high quality, precision machinery for over 60 years. For the name of your local Delta Machinery Distributor, call toll free: 800-438-2486

 **DELTA**
Building On Tradition

Delta Dust Collectors

Eliminate fine dust particles and wood chips at the source with a Delta Dust Collector.

Choose from 3 models—1 HP, 2 HP and 3 HP. All high-quality, industrial two-stage units well suited to meet the needs of any woodworking shop.



Delta Dust Collectors

Well suited for all types of plants or shops!

Do you have a need for collecting sawdust and chips from woodworking machinery, but can't afford the high cost of a centralized system?

Then consider Delta's line of dust collectors. They're low in cost, economical to use and quiet in operation. The powerful, self-cleaning, cast aluminum, radial pressure fan effectively picks up

sawdust and chips. The permanently lubricated, ball bearing, totally enclosed motor stands up under continuous duty operations. And Delta dust collectors are portable, too. You can use them throughout your plant or shop to maintain clean, healthful working conditions.

Why not add these efficient, low-cost Delta dust collectors to your operation today!

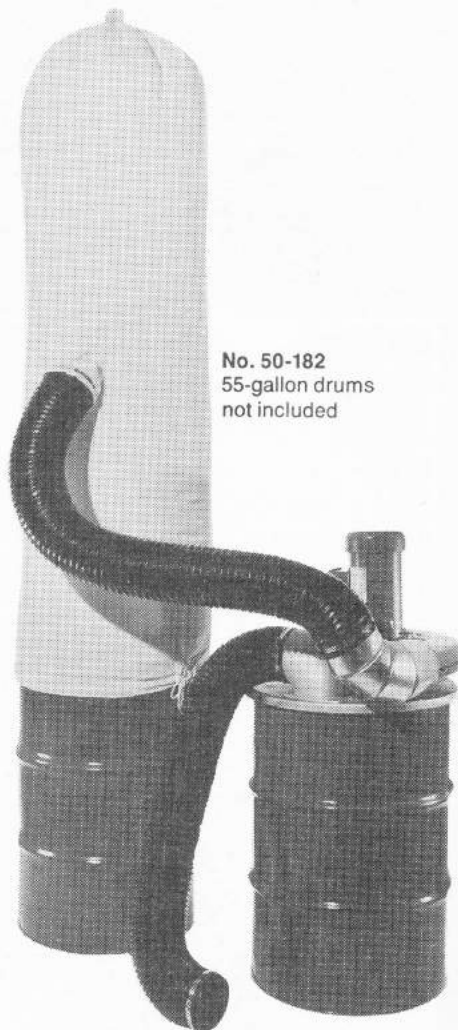


No. 50-180

55-gallon drums not included

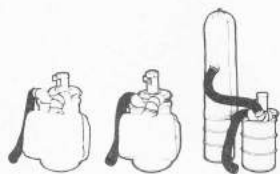


No. 50-181



No. 50-182
55-gallon drums not included

Catalog Listing



No. 50-180 1 HP Dust Collector. Includes 1 HP 115/230V, 60 Hz., single phase, TEFC motor/blower with 8-foot cord, switch and grounding type plug, drum lid (to fit 55 gal. drum), side dust bag, 5" dia. x 60" hose with clamp, and instruction manual.

No. 50-181 2 HP Dust Collector. Same as above except with 2 HP, 230V, 60 Hz., single phase, TEFC motor/blower.

No. 50-182 3 HP Dust Collector. Includes 3 HP, 208-230/460V, 60 Hz., three phase, TEFC motor/blower (not supplied factory wired), drum lid (to fit 55 gal. drum), 2' dia. x 6' dust bag with eyelet for overhead suspension, sleeve, (2) 6" dia. x 60" hose with clamps, and instruction manual

Machine Data

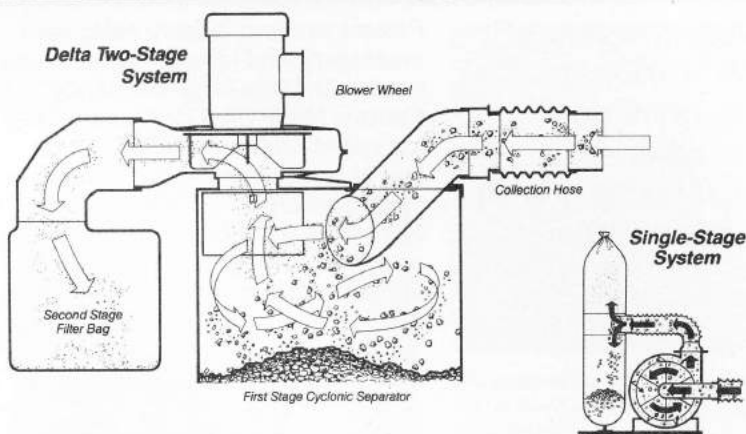
Catalog No.	50-180	50-181	50-182
Motor:			
Horse Power and Speed	1 HP/3450 RPM	2 HP/3450 RPM	3 HP/3450 RPM
Voltage and Phase	115/230V, Single Phase	230V, Single Phase	208-230/460V, Three Phase
Maximum CFM	700	1100	1300
Maximum Static Pressure (In Water)	4½"	8½"	10"
Maximum Hose Velocity FPM	5131	5600	6619
Bag Area/Square Feet	19	19	50
dBA @ 5 Feet	83	85	84
Weight (Lbs.)	72	97	113

Delta Dust Collector Quality Features

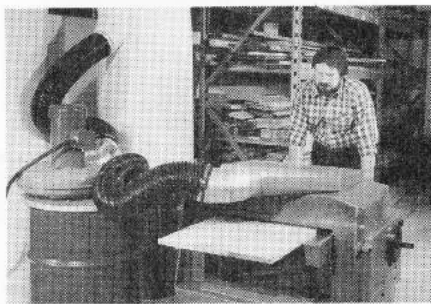
Efficient Two-Stage System.

First stage cyclonic separator filters large dust and particles into container. Only fine dust passes through the blower wheel into second stage bag. By contrast, single stage system draws dust-laden air directly into blower, where contact with grit and particles causes rapid wear and tear to the wheel and housing.

High Air Velocity. Depending on model, Dust Collector supplies from 700 to 1300 cubic feet per minute of air flow at the woodworking machine for efficient dust collection. More than 5 times the intake power of an industrial vacuum.

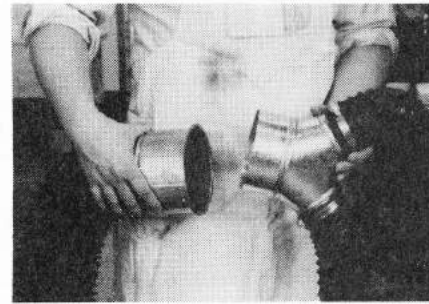


More Collection Volume. Units mount on 55-gallon open top drums to provide ample waste capacity. Final air filtration area is 19 square feet with standard bag on 1 and 2 HP models; 3 HP drum-mounted bag extends to full 50 square feet.



Complete Line of Accessories.

Nozzles and fittings permit use of a single Dust Collector on any woodworking machine. Connectors, gates and other accessories are also available for a centralized fixed installation.



Delta Dust Collector Accessories and Attachments

No. 50-183 Collector Drum. 55-gallon capacity. Fire resistant aluminum foil lined fiber drum. 24" diameter x 31" high. 14 lbs.

No. 50-254 Drum Caster Set. 4-wheel. Accommodates 55-gallon capacity drum. Adds portability to your dust collector system.

No. 50-225 2' Diameter x 3' Dust Bag. 22 sq. ft. filter area. New 3-dimensional weave for improved dust retention. With drawstring to fit standard 55-gallon drum. For use with No. 50-180 1 HP and 50-181 2 HP Dust Collectors for planer chip pick up. Also No. 50-180 1 HP Unit when major use is fine sanding dust collection.

No. 50-185 2' Diameter x 6' Dust Bag. 40 sq. ft. filter area. New 3-dimensional weave for improved dust retention. With drawstring to fit standard 55 gallon collector drum. Eyelet at top for overhead suspension. Supplied with 6" x 60" hose, sleeve and two clamps. For use with No. 50-182 3 HP Dust Collector. Also No. 50-181 2 HP Unit for fine dust pick up. 10 1/4 lbs.

No. 50-195 Side-Hanging Dust Bag. 19 sq. ft. filter area. New 3-dimensional weave for improved dust retention. Replacement bag for No. 50-180 1 HP and 50-181 2 HP Dust Collectors.

No. 50-186 3" Dia. x 60" Hose. 1 1/2 lbs.

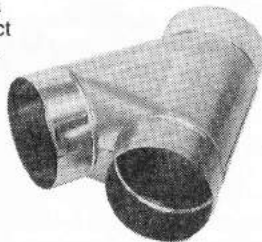
No. 50-187 5" Dia. x 60" Hose. 2 1/2 lbs.

No. 50-188 6" Dia. x 60" Hose. 2 3/4 lbs.

No. 50-189 Y-Connector. 6" x 3" x 3". For fixed installation. 2 lbs.

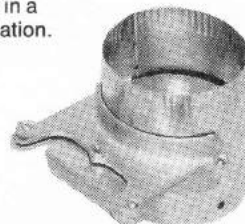
No. 50-190 Y-Connector. 5" x 3" x 3". For fixed installation. 1 1/2 lbs.

No. 50-229 Y-Connector. 5" x 5" x 5". For use in a fixed 5" duct installation.



No. 50-230 Slide Gate.

Fits 5" duct in a fixed installation.



No. 50-191 6" to 5" Dia. Reducer. For fixed installation. 1 1/2 lbs.

No. 50-226 Quick Disconnect with clamp for attachment to 5" dia. hose. A quick change connector or coupling for hook-up of the No. 50-180 1 HP Dust Collector to machinery with 5" dia. connector outlets.



No. 50-232 Quick Disconnect with clamp for attachment to 6" dia. hose. Reduces inlet to 5" dia. For hook-up of the No. 50-181 2 HP or 50-182 3 HP Dust Collector to machinery with 5" dia. connector outlets.

No. 50-227 Hose Coupler. For connecting two lengths of 5" dia. hose and/or use with Nos. 50-226 or 50-232 Quick Disconnects.



No. 50-219 5" to 6" Dia. Increaser. With clamping lug on 5" end. Used in a fixed type installation to attach most woodworking machines to 6" dia. hose of No. 50-181 1 HP or 50-182 3 HP Dust Collectors.



No. 50-218 6" to 5" Dia. Reducer. With clamping lug on 6" end.

Delta "High Efficiency" Ferrous Metal Dust Collectors

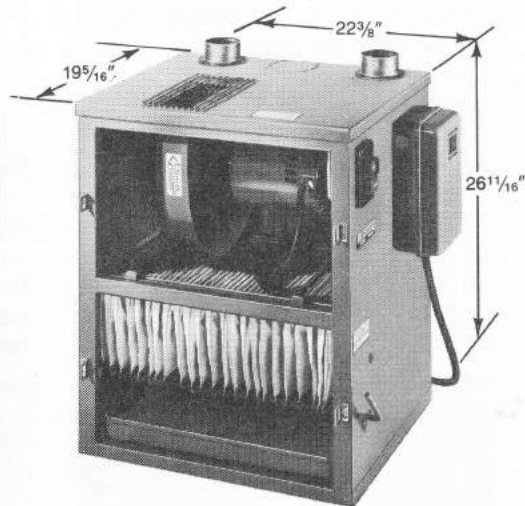
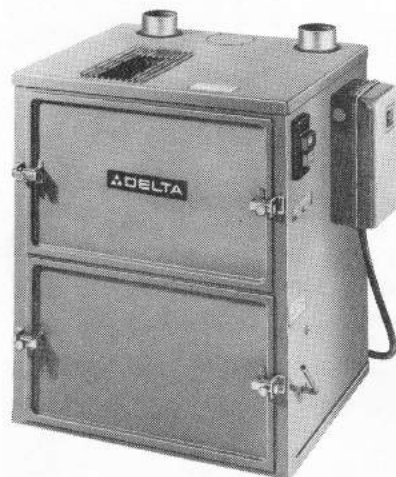
Delta "high efficiency" Ferrous Metal Dust Collectors provide filtering efficiencies to help you comply with O.S.H.A. standards

Protect workers' health, safeguard machinery, and reduce maintenance costs with Delta "high efficiency" Ferrous Metal Dust Collectors. They are capable of moving 500 cubic feet of air per minute and develop a static suction of 3.5 inches of water. Recommended for dry collection only of grit, dust, chips, tramp iron and other foreign materials which

are deposited in the base or stopped by the filters. *Only clean air reaches the fan.*

Overall collection efficiencies by weight are 99.9+% on particles down to two micron. Treated filters are fire-resistant.

Fine dust is easily dislodged from the fabric filters by using the foot-operated filter shaker.



Catalog Listing

No. 49-826 Dust Collector. Includes $\frac{3}{4}$ HP, single phase, 115/230 V, 60 hertz, 3450 RPM motor; two 6' lengths of 3" diameter wire hose and four hose clamps, two 3" inlets with adapters, foot-operated shaker and 30 square feet of fabric filter (24 filters). Less electrical controls. 140 lbs.

No. 49-909 Dust Collector. Same as No. 49-826, except 200-230/460 V, three phase. Less electrical controls. 140 lbs.

Controls for "High Efficiency" Dust Collectors

No. 52-377 Start-Stop Push Button Switch, 2-pole. Includes connecting wire assemblies, 8' cord with 3-prong 115 V grounding type plug and mounting hardware. For use with No. 49-826 Single Phase Dust Collector on 115 V only. 5 lbs.

No. 52-378 24 Volt Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC). Includes connecting wire assemblies and mounting hardware. For use with No. 49-826 Single Phase Dust Collector. When ordering, specify 115 or 230 V. Order heater separately. 15 lbs.

No. 52-379 24 Volt Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC). Includes connecting wire assemblies and mounting hardware. For use with No. 49-909 Three Phase Dust Collector. When ordering, specify 200, 230 or 460 volts. Order three heaters separately. 17 lbs.

NOTE: Above electrical controls are shipped separately, must be mounted and wired to dust collectors.

Here's why the Delta "high efficiency" is a better dust collector!

Fan on clean air side. Grit, dust, metal chips, tramp iron and other foreign materials are deposited in the base or stopped by the filters—*only clean air reaches the fan.* This eliminates the risk of fan loading or breakage and ultimate need for expensive, time-consuming repairs.

Highly efficient fabric filters. Delta collectors contain fabric filters of an extremely high collection efficiency for dust particles of all sizes, including those as small as two microns. Overall collection efficiencies by weight are 99.9+%, even with a high concentration of particles of these small sizes. Filters are treated to be fire-resistant.

Clean filtered air may be recirculated. Delta collectors' extremely high filtering efficiency allows the filtered air to be recirculated indoors if desired, saving costly heated or conditioned air.

Filters easily cleaned. Most of the dust and material settles immediately into the pull-out drawer. Fine dust which clings to the outside of the fabric filters is easily dislodged by shaking the filter shaker handle.

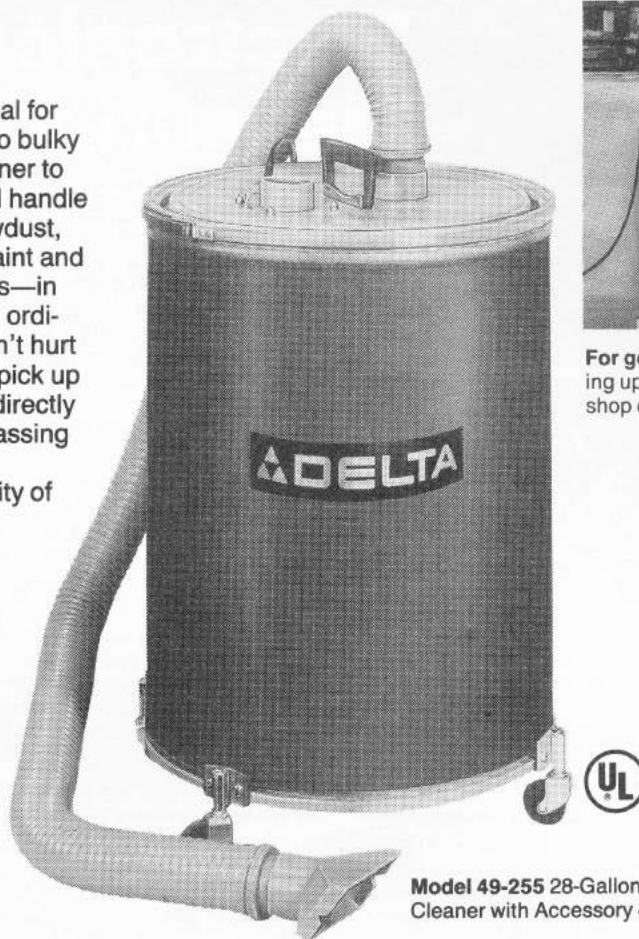
Easy emptying dust drawer. All "high efficiency" dust collectors contain a handy pull-out drawer with .34 cubic feet storage capacity.

Minimum floor space. "High efficiency" dust collectors require only $19\frac{5}{16} \times 22\frac{3}{8}$ " floor space and provide a fabric filtering area of 30 square feet. Cabinets are constructed of steel; doors are felt-gasketed and close with specially designed "Positive-Seal" fasteners.

Delta Vacuum Cleaner

Ideal for "big job" cleaning chores!

Delta Vacuum Cleaner is ideal for "big job" cleaning chores too bulky or messy for a standard cleaner to handle. Extra powerful, it will handle a wide variety of waste—sawdust, wood chips and shavings, paint and rust chippings, grit and filings—in quantities that would clog an ordinary type of cleaner. You can't hurt the motor with anything you pick up because all debris is drawn directly into the collector drum, by-passing the motor. Easy roll casters (optional) increase the mobility of the Delta cleaner.



Model 49-255 28-Gallon Capacity Vacuum Cleaner with Accessory 49-245 Caster Set



For general purpose shop cleaning, picking up sawdust, shavings, filings, and other shop debris.

Catalog Listing

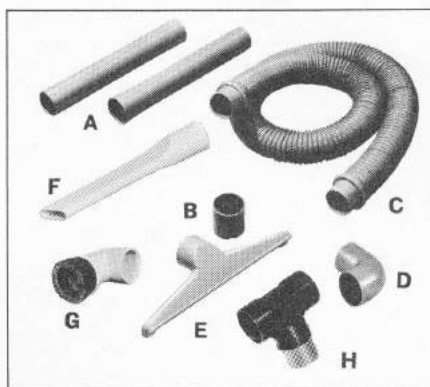


No. 49-255 All-Purpose Vacuum Cleaner. 28-gallon capacity, complete with 7.5 amp motor, switch and cord; filter bag, fiber collector drum; 2½" diameter x 6' hose and 3 x 6" rectangular nozzle. 24 lbs.

Machine Data

Motor 7.5 amps, 115V, AC-DC, develops 1 HP
Hose 2½" (63.5 mm) diameter x 6' (18,288 mm) long
Drum Capacity 28 gallon (105.98 liter)
Overall Dimensions . 25¾" (139.05 mm) high x 19" (482.6 mm) diameter
Weight 24 lbs. (10.86 kg)
For dry pickup only

Accessory Equipment



A. No. 49-226 Set of Extension Tubes for floor cleaning. 2½" diameter x 40" overall. 2 lbs.
B. No. 49-228 Hose Coupling. For connecting two 6-foot lengths of 49-229 2½" diameter hose. ½ lb.

C. No. 49-229 Hose. 2½" dia. x 6'. Replacement for standard hose or for use as extension with 49-228 coupling. 3 lbs.
D. No. 49-230 Elbow. 90°, 2½" dia. ½ lb.
E. No. 49-231 Floor Brush. 14" wide. 2 lbs.
F. No. 49-247 Crevice Tool. 2½" diameter. ½ lb.

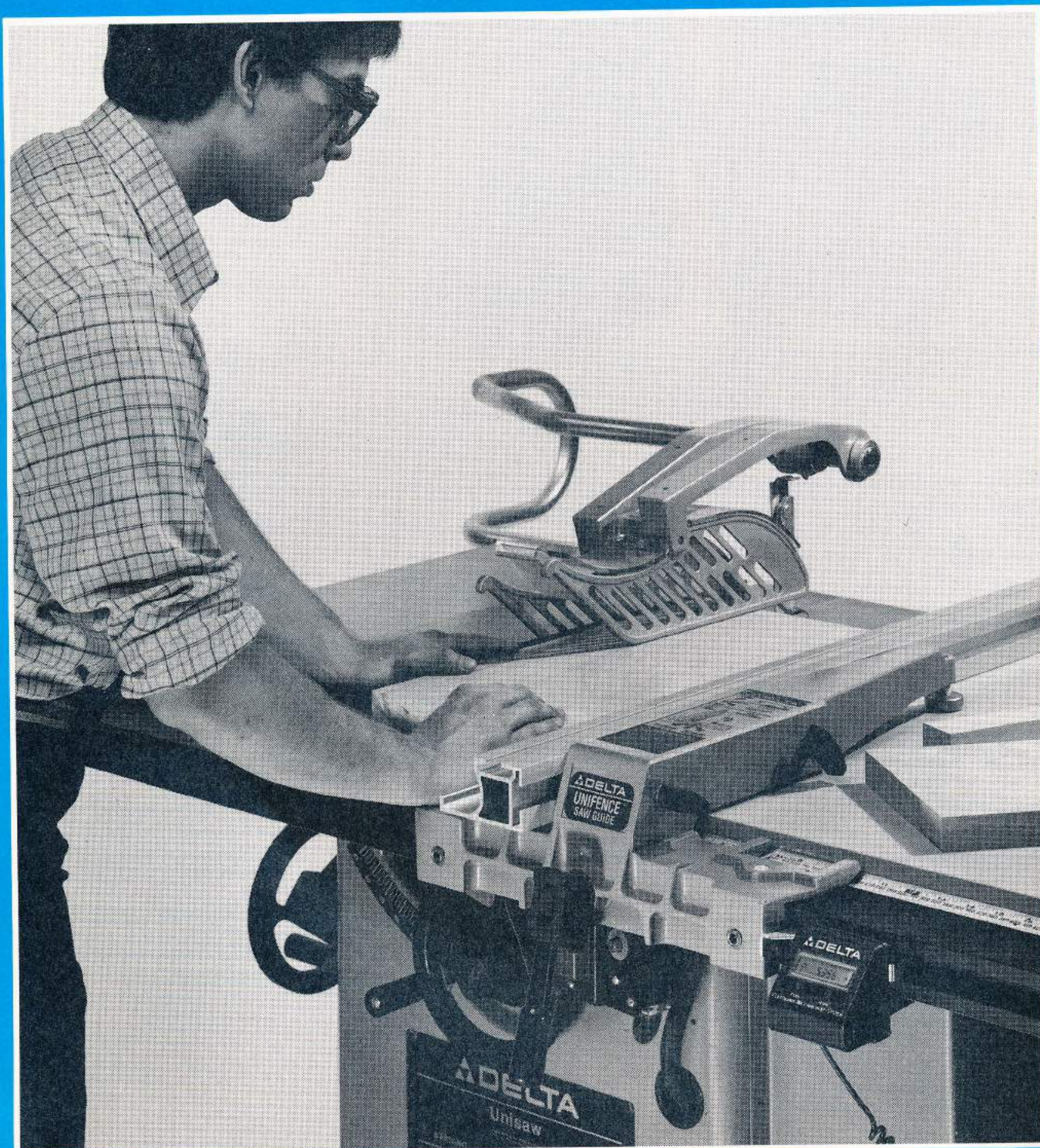
G. No. 49-250 Round Elbow Brush. 2½" diameter. 1 lb.
H. No. 49-225 "T" Connector. For connecting two 49-229 hoses to vacuum cleaner. 2 lbs.

Other Accessories (not shown)

No. 49-220 Increaser. 1½" to 2½" dia. ½ lb.
No. 49-233 Flange. 2½" diameter. For making your own attachments for your power tools. ½ lb.
No. 49-243 Replaceable Filter Bags. Package of five. ½ lb.
No. 49-245 Four-Wheel Caster Set for 28-gal. vacuum cleaner. 3 lbs.

Delta Electronic Measuring System

Simple and easy to install on table saws, planers, virtually any woodworking machine. Accurately measures horizontal and vertical linear distances — electronically! Eliminates the tiresome task of dealing with rulers, tape measures, scales and indicators.



Delta Electronic Measuring System

For Accurate Measuring — Electronically!

The Electronic Measuring System is available in two ready-made kits; one for use on table saws to continuously and accurately read the horizontal linear movement of the fence as it is being positioned for width of cut for precision cut-off, trimming or ripping operations; and another kit for wood planers to accurately gage vertical linear movement of the table for precision thickness planing operations.

Powered by two AA alkaline batteries, EMS features an easy-to-read digital display that continuously shows the

linear movement of the fence or table in fractions, inches or metrics, accurate to .005" in a horizontal setup or .001 vertically.

Other features include zero reset for easy referencing, mounting kits for attaching EMS to table saws with Delta Jet-Lock® rip fence, Biesmeyer T-Square® and similar type saw fences, and more.

Stop in today to see the Electronic Measuring System in action. See for yourself how it can save time and improve productivity in your operation.



Catalog Listing

No. 32-010 EMS Kit. For Table Saws equipped with the Delta Unifence® Saw Guide. Includes electronic display module for horizontal orientation, magnet with mounting bracket and hardware, 72" capacitive reader strip, cleaner, two alkaline batteries and instructions.

No. 32-011 EMS Kit. For Wood Planers. Includes electronic display module for vertical orientation, universal extruded aluminum track, magnet with mounting bracket and hardware, 97 1/8" capacitive reader strip, cleaner, two alkaline batteries and instructions.

Accessories

No. 32-014 Mounting Hardware. For attaching 32-010 EMS Kit to Table Saws equipped with Delta Jet-Lock® or similar type saw fences.

No. 32-013 Mounting Hardware. For attaching 32-010 EMS Kit to Table Saws equipped with Biesmeyer T-Square® or similar type saw fences.

No. 32-012 Extra Reader Strip. 96" long with adhesive backing. For replacement use or to extend EMS reading capacity.

Machine Data

Power	Two (2) AA Alkaline Batteries
Readout	LCD with 1/4" (6.3 mm) High Characters
Modes	Fractions, Inches, Millimeters
Resolution	High: .001" (.03 mm); Low: .005" (.13 mm)
Accuracy	.001" (.03 mm) per foot

Max. Operating Speed	3 Feet (914.4 mm)/Second
Readout Direction	Selectable (Reads Positive in Any Direction Desired)
Display Module Size	3 1/4" x 3 1/4" x 2 3/4" (82.5 x 82.5 x 69.8 mm)

Quality Features

Easy-to-read digital display continuously reads linear movement in fractions, inches and metrics; accurate to .005" in a horizontal setup or .001" vertically.

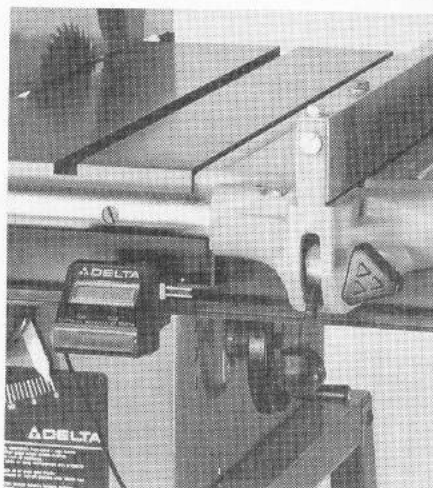
10 5/8^{FR}

10.625 IN

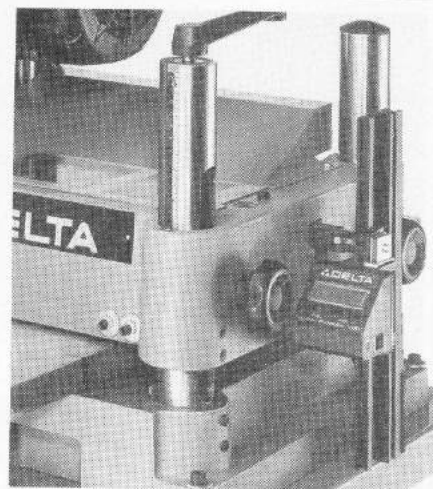
269.87 MM



EMS is designed for direct mounting to table saws equipped with the Delta Unifence® saw guide.



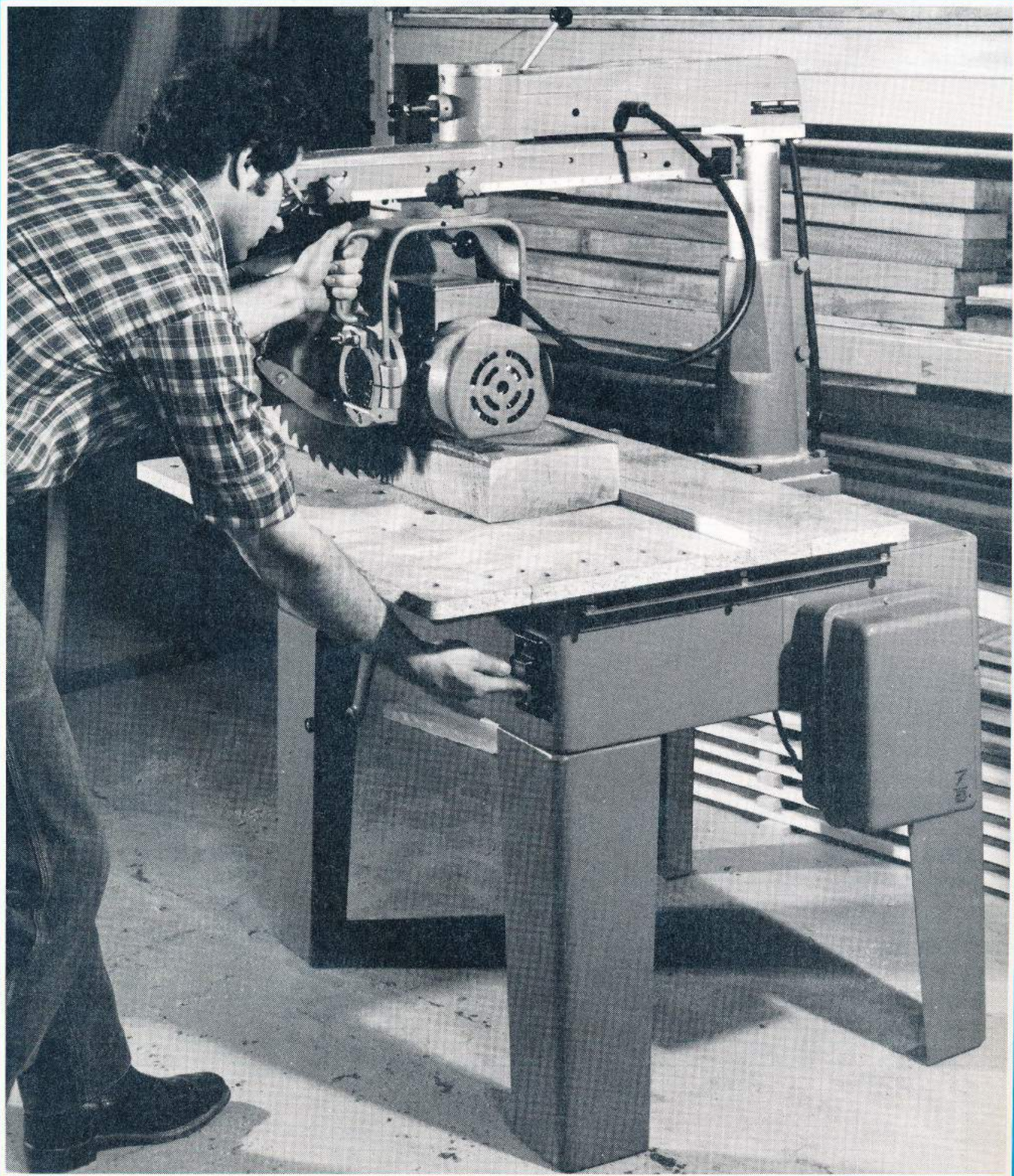
Special mounting kits permit attaching EMS to table saws equipped with Delta Jet-Lock®, Biesmeyer T-Square® and similar type saw fences.



The EMS Kit for use on wood planers can also be adapted for use on wide belt sanders and other machines requiring vertical operation measurements.

Delta Electronic Brake

Offers frictionless, automatic braking for all types of wood and metalworking machinery. Controlled, fast braking action makes operations safer while reducing costly "idle time" to increase productivity.



Delta Electronic Brake

You can step up your productivity at small cost with the Delta Electronic Brake! Add safety and efficiency to machine operations!

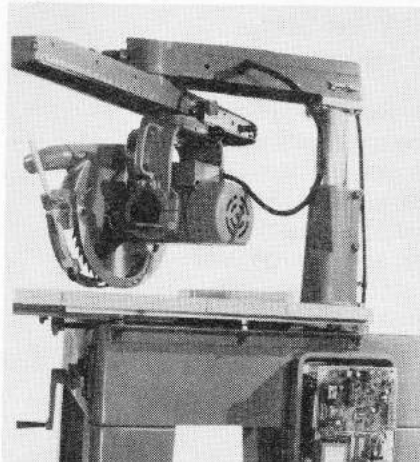
Is excessive "idle time" costing you money on your machinery operations such as sawing, sanding, grinding and shaping? Then, consider the Delta Electronic Brake.

It stops machine arbors and spindles fast – in as little as two seconds – to keep production moving. Offered with 24-volt LVC control, it is packaged in a dust tight, easy-to-install enclosure. Two basic units – one for single phase and one for three phase – together with four small plug-in modules, cover a horsepower range through 7.5 HP and voltages from 110 through 575V. Braking time of 2 to 28 seconds, plus the desired braking force, any be easily and quickly selected.

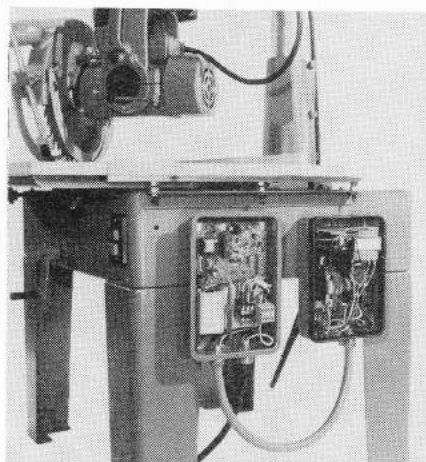
Delta's patented brake is reliable, too. Its solid state, integrated circuitry is combined with a unique electrical isolation system that permits accurate, reliable brake performance.

Lower your operating costs now by adding the Delta Brake/LVC combination to your machinery. If they're already equipped with 24-volt LVC

Typical Delta Electronic Brake set-ups



Delta Electronic Brake/LVC Combination, No. 52-703, shown mounted on a 16" radial saw. Brake, together with module, is supplied as Standard Equipment on new factory-built radial saws.



Delta Electronic Brake only, No. 52-710, shown wired into an existing LVC control box in the field. For field retrofit, module must be ordered separately.

Typical stopping times using Delta Electronic Brake

Machine Operation	Coast Time Without Brake (Minutes/Seconds)	Coast Time With Electronic Brake (Minutes/Seconds)
16" Radial Saw	2:49	:16
12" Disc Sander	1:32	:15
10" Grinder	:49	:10
20" Wood Cutting Band Saw	:27	:05
14" Circular Saw	:17	:05
Wood Shaper	:10	:03

Catalog Listing

Electronic Brake/LVC Combination. Mounted in a dust-tight enclosure. Order proper brake module and motor heaters separately.

Cat. No.	Voltage Applications	Phase	Wt., Lbs.
52-707	115/230V	1	16½
52-703	200-230/460/575V	3	17

Electronic Brake for Field Retrofit. Used on single or three phase machines equipped with Delta LVC control. Mounted in a dust-tight enclosure. Order proper brake module separately.

Cat. No.	Voltage Applications	Phase	Wt., Lbs.
52-710	All Voltages	1 & 3	10

Specifications


Input Power: 120, 20-240, 460 or 575 VAC, $\pm 12.5\%$, 50 or 60 Hz.

Operating Temperature: -20° to 125° F, ambient

Brake Time Setting: Approximately 1 second to 30 seconds, adjustable

Brake Torque Setting: After first second of operation, torque is fully adjustable

Module Selection Guide

Module	Voltage Rating	Module Color	Cat. No.
	110	Black	52-711
	200-240	Blue	52-712
	450	Green	52-713
	575	Red	52-714

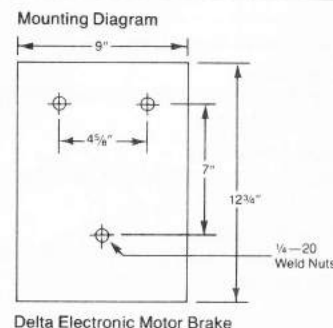
Packaging and Mounting

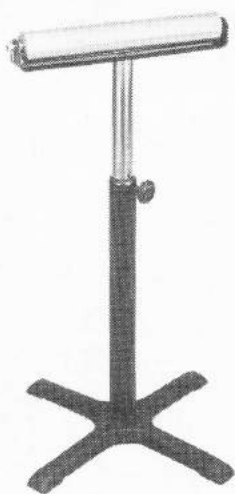
Enclosure: Unit is provided in a dust-tight, $12\frac{3}{4} \times 9 \times 4\frac{1}{2}$ " enclosure.

Mounting: Three $\frac{1}{4}$ -20 bolts

Ease of Installation:

Approximately 16" of armored cable is provided, completely wired to the electronic brake. The only additional requirement is connecting the cable to the motor starter.





No. 34-632 Roller Stand. An auxiliary work support to facilitate handling long or wide stock on table saws, planers, jointers and other machines. Adjustable in height from 26 1/4" to 43 1/2"; lock-knob securely locks-in height settings. Full 2 1/2" diameter x 17 1/2" roller with four-footed cast-iron base for stability. Adequately supports up to 200 pounds.



Machine Enamel
High quality gray and black enamel that is color blended to machine production finish of Delta Industrial Machinery. Ideal for covering scratches, nicks, chips, etc., to make machine surfaces look like new. Prevents bare surfaces from rusting.

Dark Gray
No. 49-323 Push Button Self-Spray Can.
9 3/4 av. ozs., 1 lb.

Dealers Note: Single cans not shipped from the distribution center. Order No. 49-324.

No. 49-324 Carton of 12 Cans of 49-323.
12 lbs.

No. 49-333 Quart Size. 2 1/2 lbs.

Light Gray
No. 49-306 Push Button Self-Spray Can..
9 3/4 av. ozs., 1 lb.

New Delta Gray
NO. 49-990 Push Button Self-Spray Can.
9 3/4 av. ozs., 1 lb.

New Delta Black
No. 49-991 Push Button Self-Spray Can.
9 3/4 av. ozs., 1 lb.

Delta Mobile Machinery Bases

Increase the Mobility and Performance of Your Shop Machinery

By mounting your shop tools on Delta Mobile Bases you can adjust the location of the machine you are using and enlarge your immediate working area to handle large, bulky work.

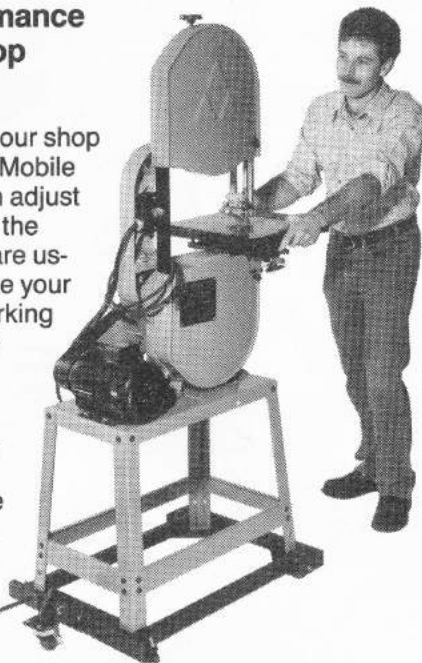
You can store or move your tools out of the way when not in use to gain valuable operating space — an important advantage to craftsmen with small shops.

And, regardless of its size, it's now a simple matter to keep your shop clean. Machines mounted on Mobile Bases can be moved aside to clean dust and debris and then moved back again when finished.

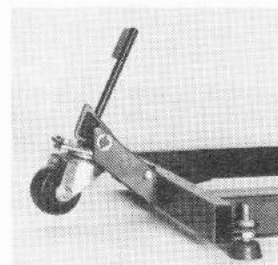
Delta Mobile Bases are made of heavy gage steel with welded joints and fittings and feature a single swivel caster with two rigid type wheels.

Delta Mobile Machinery Bases are available in six Model Variations to Fit More Than 15 Different Delta Woodworking Machines.

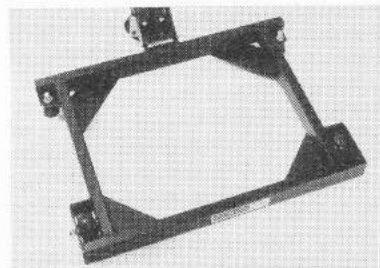
Model No.	For Use On	Dimensions	
		A	B
50-273	All Delta Unisaw 10" T.A. Saws, Including Models Equipped with Unifence Saw Guide, H.D. Wood Shaper	20 5/8	20 5/8
50-274	Delta L.D. Wood Shaper; Belt/Disc Finishing Machines and 14" Band Saw on Enclosed Type Stands	19 1/2	16 1/2
50-275	Delta DJ-15 6" Jointer; 18" E.V.S. Scroll Saw, 14" Band Saw on Open Type Straight Leg Stand and 43-355 Shaper	17 1/4	29
50-276	Delta DJ-20 8" Jointer	17 1/4	36 3/4
50-277	Delta 10" Contractor's Saw, and 13" Planer on Open Type Straight Leg Stand	25 3/4	23 1/4
50-278	Delta 10" T.A. Saws, Including Models Equipped with Unifence Saw Guide	21 1/2	18 1/2



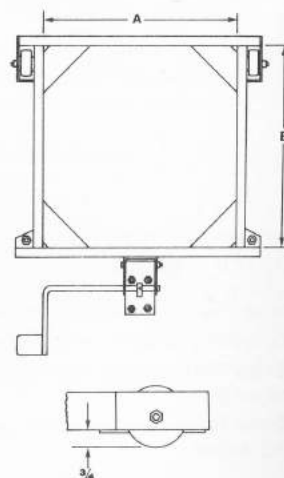
Delta 14" Band Saw Mounted on Model No. 50-275 Mobile Machinery Base.



A convenient foot-operated control lever raises and lowers the Base for easy movement and positioning.



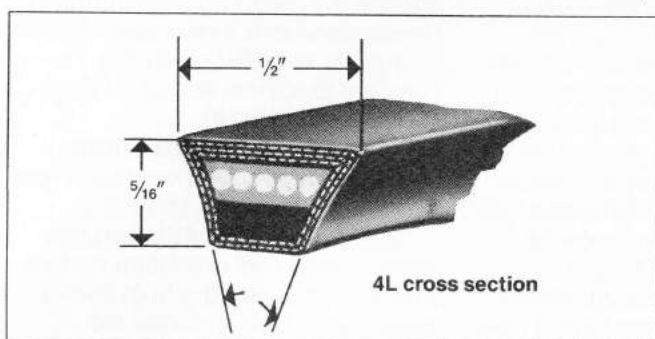
Two adjustable foot pads positioned opposite the two fixed wheels assure stable four-corner contact, in the set position.



Delta Accessories and Attachments for All Shops (continued)

V-Belts (4L Type)

Vibration free. Designed to make perfect contact with side of V-groove, these V-belts transmit maximum power with minimum slip.



Cat. No.	Out. Cir.	Cat. No.	Out. Cir.	Cat. No.	Out. Cir.
*49-124	26"	49-152	36"	49-354	47 ⁵ / ₈ "
†49-150	28 ¹ / ₄ "	49-340	36 ¹ / ₂ "	51-009	48"
49-101	29"	49-195	37"	49-025	54"
49-105	30"	49-154	40"	49-035	54 ³ / ₈ "
†49-121	30"	49-168	41"	49-173	57"
49-287	31"	49-104	42"	49-172	59"
49-273	32"	49-034	44"	49-146	65"
49-149	33"	49-167	45"	51-010	67"
49-303	35"	51-008	47"	49-094	81"

* Matched set of three. † Matched set of two. ‡ Matched set of four.

Single Groove Pulleys for 4L Cross Section Belts (⁵/₈" , ³/₄" and ⁷/₈" bore contain ³/₁₆" keyways)

Single Groove Pulley O.D.	Cat. No. (¹ / ₂ " Bore)	Cat. No. (³ / ₄ " Bore)	Cat. No. (³ / ₄ " Bore)	Cat. No. (⁷ / ₈ " Bore)
2"	—	41-003	—	—
2 ¹ / ₄ "	—	41-013	—	—
2 ³ / ₄ "	—	41-033	—	—
3"	41-042	41-043	—	—
3 ¹ / ₂ "	—	41-053	41-054	—
4"	—	41-063	41-064	—
4 ¹ / ₂ "	—	—	41-074	—
5"	—	41-083	41-084	—
6"	—	—	41-104	—
7"	—	—	41-124	—
*7 ¹ / ₂ "	—	41-136	41-134	41-140
10"	41-152	—	—	—

* A special balanced cast iron pulley for the No. 43-370 Heavy Duty Wood Shaper.

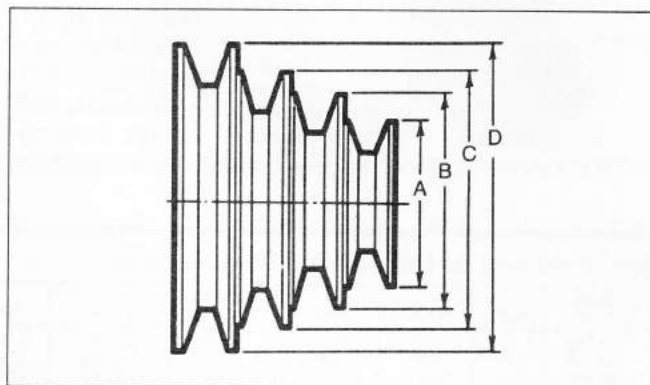
Special Heavy Duty Single and Multiple Groove Pulleys

O.D.	Grooves	Cat. No. (³ / ₄ " Bore)	Cat. No. (³ / ₄ " Bore)	Cat. No. (1" Bore)	Keyway	Belt Cross Section
3"	1	41-203	—	—	³ / ₁₆ "	4L
3"	3	—	41-644	—	³ / ₁₆ "	4L
3 ¹ / ₂ "	2	41-504	—	—	³ / ₁₆ "	4L
7"	1	—	—	41-006	¹ / ₄ "	A

Four-Step Pulleys

Made for same size V-belts as single groove pulleys. May be used in pairs as listed in table below and will provide speeds listed when used with 1725 RPM motor. All available with ¹/₂" , ⁵/₈" and ³/₄" bores. ⁵/₈" and ³/₄" bores have a ³/₁₆" keyway.

Cat. No. (¹ / ₂ " Bore)	Cat. No. (⁵ / ₈ " Bore)	Cat. No. (³ / ₄ " Bore)
41-712	41-713	41-714
41-722	41-723	41-724
41-732	41-733	41-734
41-702	41-703	41-704

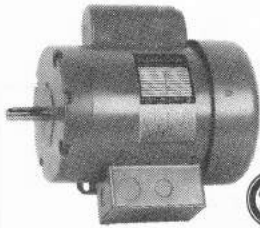


Number of Pulley	Pulley Outside Dimensions—Inches			
	A	B	C	D
41-712	1 ³ / ₄	2 ¹ / ₄	2 ³ / ₄	3 ¹ / ₈
41-713				
41-714				
41-722	3 ¹ / ₈	3 ⁵ / ₈	4	4 ¹ / ₂
41-723				
41-724				
41-732	2 ¹ / ₂	3 ¹ / ₈	3 ⁷ / ₈	4 ¹ / ₂
41-733				
41-734				
41-702	2 ¹ / ₈	3 ¹ / ₈	4 ¹ / ₄	5 ¹ / ₄
41-703				
41-704				

Driver	Driven	Speeds			
41-712	41-712	905	1410	2100	3340
41-713	41-713				
41-714	41-714				
41-722	41-722	1180	1520	2000	2530
41-723	41-723				
41-724	41-724				
41-712	41-722	610	910	1255	1725
41-713	41-723				
41-714	41-724				
41-722	41-712	1725	2370	3290	4900
41-723	41-713				
41-724	41-714				
41-732	41-732	915	1380	2150	3260
41-733	41-733				
41-734	41-734				
41-702	41-702	656	1240	2400	4500
41-703	41-703				
41-704	41-704				

Delta Motors

Designed specifically for Delta products!



Dependable Delta Heavy Duty Motors are comparatively low in cost—but they are NOT built down to a price. Quality has been maintained throughout. They are the finest motors available at anywhere near their price. Dependable Delta Standard Duty Motors give you all the performance you require, on the products for which they are recommended, at the *lowest* possible cost! Check the specially engineered features on all Delta Motors.

All ball bearings are lubricated for life. Bearing designs permit Delta

Motors to be mounted either vertically or horizontally.

All Delta motors comply with or exceed the motor manufacturing power standards (breakdown torque) as established by the National Electrical Manufacturers Association (NEMA).

Accurately balanced rotors insure smoothness of operation and prevent destructive vibration.

Well designed ventilating systems assure cool operating motors, thus providing adequate overload capacity and longer motor life.

Specifications for Delta Single Phase Motors

Catalog Number	H.P.	R.P.M.	Volts	** Nameplate Amps	Hertz	Shaft	Frame Size	Switch	Cord and Plug	Enclosure	Duty	Wt./Lbs.
60-054	1	1725	115/230	16/8	60	7/8" Single	NEMA 143T	None	None	TEFC	Heavy	55
60-055	2	1725	230	12	60	7/8" Single	NEMA 145T	None	None	TEFC	Heavy	75
62-006	1 1/2	3450	115/230	20/10	60	5/8" Single	NEMA 56	None	None	TEFC	Heavy	38
\$*62-042	1 1/2	3450	115/230	20/10	60	5/8" Single	NEMA 56	DPST	Yes	TEFC	Heavy	42
\$*62-043	1 1/2	3450	115/230	20/10	60	5/8" Single	Special	DPDT	Yes	GD	Heavy	29
#62-103	1	3450	115/230	16/8	60	5/8" Single	NEMA 56	DPST	Yes	TEFC	Heavy	47
62-129	1 1/2	3450	115/230	20/10	60	5/8" Single	NEMA 56	None	None	TEFC	Heavy	37
\$*62-142	1/2	1725	115	9.8/4.9	60	5/8" Single	NEMA 56	SPST	Yes	GD	Standard	27
\$*62-144	1/2	3450	115	9.8/4.9	60	5/8" Single	NEMA 56	SPST	Yes	GD	Standard	28
*62-166	1/2	1725	115/230	7.2/3.6	60	1/2" Double	NEMA 56	None	None	GD	Heavy	17 1/2
62-169	2	3450	230	12	60	7/8" Single	Special	DPST	Yes	TEFC	Heavy	47
□62-185	2	2480	230	12	60	7/8" Single	Special	DPST	Yes	TEFC	Heavy	52
62-225	3/4	1725	115/230	13.8/6.9	60	5/8" Single	NEMA 56	None	None	TEFC	Standard	30
62-226	1/2	1140	115/230	9.8/4.9	60	5/8" Single	NEMA 56	None	None	TEFC	Heavy	39
62-228	1	1725	115/230	16/8	60	5/8" Single	NEMA 56	None	None	TEFC	Standard	47
#62-229	1 1/2	3450	115/230	20/10	60	5/8" Single	NEMA 56	None	None	TEFC	Heavy	37
††62-245	3/4	1725	115/230	13.8/6.9	60	5/8" Single	NEMA 56	None	None	TEFC	Heavy	33
††62-246	3/4	1725	115/230	13.8/6.9	60	5/8" Single	NEMA 56	DPST	Yes	TEFC	Heavy	35
††62-247	3/4	1725	115/230	13.8/6.9	60	5/8" Single	NEMA 56	DPST	Yes	TEFC	Heavy	35
62-680	1/2	1725	115/230	9.8/4.9	60	5/8" Single	No. 6	None	None	GD	Heavy	24
#82-006	3	3450	230	17	60	7/8" Single	NEMA 145T	None	None	TEFC	Heavy	55
82-010	2	3450	230	12	60	5/8" Single	Special	None	None	TEFC	Heavy	40
82-040	1 1/2	1725	115/230	20/10	60	7/8" Single	NEMA 145T	None	None	TEFC	Heavy	60
82-041	1	1725	115/230	16/8	60	7/8" Single	NEMA 143T	None	None	TEFC	Heavy	55
83-004	5	3450	230	28	60	1 1/8" Single	NEMA 184T	None	None	TEFC	Heavy	93
83-041	3	1725	230	17	60	1 1/8" Single	NEMA 184T	None	None	TEFC	Heavy	91
83-069	3	3450	230	17	60	1 1/8" Single	NEMA 184T	None	None	TEFC	Heavy	79
83-070	1	1140	115/230	16/8	60	7/8" Single	NEMA 182	None	None	TEFC	Heavy	95
* 83-621	1 1/2	3450	115/230	20/10	60	3/4" Single	Special	None	None	TEFC	Heavy	58
* 83-631	2	3450	115/230	24/12	60	3/4" Single	Special	None	None	TEFC	Heavy	67
* 83-651	3	3450	230	17	60	3/4" Single	Special	None	None	TEFC	Heavy	80

Specifications for Delta Three Phase Motors

Catalog Number	H.P.	R.P.M.	Volts	** Nameplate Amps	Hertz	Shaft	Frame Size	Cord and Switch Plug	Enclosure	Duty	Wt./Lbs.	Cat. No. 575 V Version	†Cat. No. 200 V Version
60-056	2	1725	230/460	6.8/3.4	60	7/8" Single	NEMA 145T	Not Supplied	TEFC	Heavy	50	60-057	60-058
66-041	1 1/2	3450	230/460	5.2/2.6	60	5/8" Single	NEMA 56	Not Supplied	TEFC	Heavy	44	66-045	66-044
66-071	1/2	1140	230/460	2/1	60	5/8" Single	NEMA 56	Not Supplied	TEFC	Heavy	33	—	66-072
66-073	3/4	1725	230/460	2.8/1.4	60	5/8" Single	NEMA 56	Not Supplied	TEFC	Standard	30	—	66-074
66-075	1/2	1725	230/460	2/1	60	5/8" Single	NEMA 56	Not Supplied	TEFC	Standard	27	—	66-076
66-077	1	1725	230/460	3.6/1.8	60	5/8" Single	NEMA 56	Not Supplied	TEFC	Standard	32	—	66-078
* 66-245	1/2	1725	200-230/460	2/1	60	1/2" Double	NEMA 56	Not Supplied	GD	Heavy	16 1/2	—	66-245
66-369	1/2	1725	230/460	2/1	60	5/8" Single	No. 6	Not Supplied	GD	Heavy	27	—	66-359
#86-006	5	3450	230/460	15.2/7.6	60	7/8" Single	NEMA 145T	Not Supplied	TEFC	Heavy	55	86-008	86-007
#86-009	3	3450	230/460	9.6/4.8	60	7/8" Single	NEMA 145T	Not Supplied	TEFC	Heavy	53	86-111	86-010
86-030	3	3450	230/460	9.6/4.8	60	7/8" Single	Special	Not Supplied	TEFC	Heavy	46	—	—
86-033	3	1725	230/460	9.6/4.8	60	7/8" Single	NEMA 145T	Not Supplied	TEFC	Heavy	53	—	—
86-038	1	1725	208-230/460	3.8-3.6/1.8	60	7/8" Single	NEMA 143T	Not Supplied	TEFC	Heavy	40	—	—
86-039	1 1/2	1725	208-230/460	5.6-5.2/2.6	60	7/8" Single	NEMA 145T	Not Supplied	TEFC	Heavy	45	—	—
86-069	1	1140	208-230/460	3.8-3.6/1.8	60	7/8" Single	NEMA 145T	Not Supplied	TEFC	Heavy	55	—	—
87-040	3	1725	230/460	9.6/4.8	60	1 1/8" Single	NEMA 182T	Not Supplied	TEFC	Heavy	65	87-044	87-043
87-041	5	1725	230/460	15.2/7.6	60	1 1/8" Single	NEMA 184T	Not Supplied	TEFC	Heavy	80	87-048	87-047
* 87-369	5	3450	230/460	9.6/4.8	60	3/4" Single	Special	Not Supplied	TEFC	Heavy	82	87-371	87-370

* Supplied with integral, manual reset and thermal overload protection.

§ Supplied with a remote, mounted toggle switch and 8' grounding cord set mounted and wired. All tools are provided with a switch locking plate and mounting provisions.

†† Resilient frame mounting.
□ Special high torque motor.

‡ Supplied with integral reversing switch.

• Due to larger physical dimensions, motor will not fit UNISAW cabinets with oval-shaped opening on right side. Use motor No 83-611, 1 1/2 HP, 1 Phase only.

† 200 V motors can be used on same machines as 230/460 V motors.

** Ampere specifications correspond to full load current per standard hp rating taken from the National Electric Code.

DPST — Double pole single throw.

SPST — Single pole, single throw.

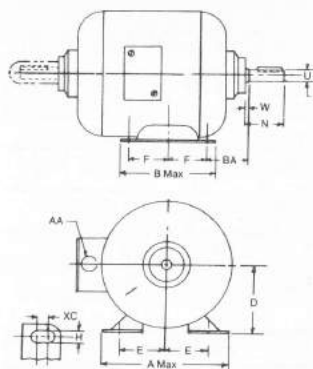
TENV — Totally enclosed, non-ventilated

TEFC — Totally enclosed, fan cooled.

GD — Guarded drip-proof.

Machine Applications for Delta Motors

Dimensional Data on Delta Motors



Motor Frame	A Max	AA Min	B Max	BA	D	E	F	H	N-W	U	XC
Delta No. 6	6 ⁵ / ₁₆	1/2 *	4 ³ / ₄	2	3 ¹ / ₄	2 ¹ / ₂	1 ¹⁵ / ₁₆	3/8	1 ⁷ / ₈	5/8 †	1 ¹⁷ / ₃₂
NEMA 56	—	5/8 *	—	2 ³ / ₄	3 ¹ / ₂	2 ⁷ / ₁₆	1 ¹ / ₂	1 ¹¹ / ₃₂	1 ⁷ / ₈	5/8 †	1 ¹¹ / ₃₂
NEMA 143T	7	3/4	6	2 ¹ / ₄	3 ¹ / ₂	2 ³ / ₄	2	1 ¹¹ / ₃₂	2 ¹ / ₄	7/8 †	—
NEMA 145T	7	3/4	6	2 ¹ / ₄	3 ¹ / ₂	2 ³ / ₄	2 ¹ / ₂	1 ¹¹ / ₃₂	2 ¹ / ₄	7/8 †	—
NEMA 182	9	3/4	6 ¹ / ₂	2 ³ / ₄	4 ¹ / ₂	3 ³ / ₄	2 ¹ / ₄	1 ¹³ / ₃₂	2 ¹ / ₄	7/8 †	—
NEMA 182T	9	3/4	6 ¹ / ₂	2 ³ / ₄	4 ¹ / ₂	3 ³ / ₄	2 ¹ / ₄	1 ¹³ / ₃₂	2 ¹ / ₄	1 ¹ / ₈ †	—
NEMA 184T	9	3/4	7 ¹ / ₂	2 ³ / ₄	4 ¹ / ₂	3 ³ / ₄	2 ³ / ₄	1 ¹³ / ₃₂	2 ³ / ₄	1 ¹ / ₈ †	—

*Some Delta motors are supplied with a junction box in one of the motor end bells instead of on the side of the motor frame. Motors with end bell junction boxes do not have knockouts, only 2 slots which allow passage of motor cables, and holes which allow mounting of control switch or cable clamp.

† Supplied with key.

Machines on which Delta Motors may be used

Motor Cat. No.	Finishing Machine 12" Abrasive Disc	Band Saw, 20"	Band Saw, 14"	Band Saw, 8" x 14" Horizontal	Circular Saw, RT-40 14" Saw; Shaper, RS-15 5-Speed; Planer, RC-51 20"	Circular Saw, 10" Unisaw	Fin. Mach., 6" Ab. Belt & Comb.; Joiner, DJ-20 8"	Circular Saw, 10" Contractor's	Circular Saw, 10" Tilling Arbor	Drill Press, 20"	Drill Press, 17"	Drill Press, 15"	Drill Press, Ram	Wood Lathe, 12" Heavy Duty	Wood Lathe, 12" Economy	Jointer, DJ-15 6"	Wood Lathe, 12" Standard Duty	Planer, DC-33 13" x 5.9"	Sander, 4" x 132" Edge	Sander, 6" x 132" Edge	Scroll Saw, 24"	Shaper, Heavy Duty	Shaper, Wood	Shaper, Light Duty	Router, RU-50	Motor Cat. No.
60-054	X																									60-054
60-055	X																									60-055
62-043							X																			62-043
62-103																								X		62-103
62-129						X																				62-129
62-142		X																								62-142
62-166																										62-166
62-169																			X						X	62-169
62-185															X											62-185
62-225											X															62-225
62-226											X															62-226
62-228													X													62-228
62-229													X										X			62-229
62-245		X									X		X													62-245
62-246		X											X													62-246
62-247														X	X											62-247
62-680												X														62-680
82-006								X												X						82-006
82-010																										82-010
82-040			X							X								X								82-040
82-041	X								X																	82-041
83-004				X																						83-004
83-070									X																	83-070
83-621					X																					83-621
83-631					X																					83-631
83-651					X																					83-651
60-056		X					X										X									60-056
66-041											X															66-041
66-071											X				X											66-071
66-073											X															66-073
66-075		X																								66-075
66-077														X												66-077
66-369												X														66-369
86-006																					X					86-006
86-009																					X					86-009
86-030																	X									86-030
86-033																		X								86-033
86-039	X		X					X																		86-039
86-038											X															86-038
86-069																										86-069
87-369					X																					87-369

Delta Controls and Wiring Kits



51-115



52-346



49-357



Catalog Number	Product Usage	Description	Max. HP Rating of Switches				Weight Lbs.
			115V AC	230V AC	115V DC	230V DC	
Single Phase Manual Control Switch With Wiring							
49-312	Coolant Pump	On-Off Toggle Switch, 2-Pole with 8', #16-3 Wire Cable, SJ/3 Prong 115 V Grounding Plug, mounting and connecting hardware.	1½	1½	1½	1½	2
49-313	Coolant Pump	On-Off Toggle Switch, 2-Pole with 8', #16-3 Wire Cable, SJ/3 Prong 230 V Grounding Plug, mounting and connecting hardware.	1½	1½	1½	1½	1

Single Phase Manual Control Switch

51-115	General See Description	On-Off Toggle Switch, 2-Pole, Three Hole flush mounting with hole in toggle. For use with No. 49-385 Kit.	1½	1½	1½	1½	1
49-330	10" Grinder	On-Off Toggle Switch, 2-Pole, Single Hole mounting with solid toggle. For replacement use.	1½	1½	1½	1½	2
49-670	General	Start-Stop Push Button Switch, 2 Pole. Recommended for replacement use.	1	1½	1	1½	2
52-346	General	Start-Stop Push Button Switch, 2-Pole. Includes Box, Cover, Gasket and mounting hardware. Recommended for use on Open Steel Stands and for replacement use.	2	2	—	—	2

Catalog Number	Product Usage	Description	Amp Rating		Weight Lbs.
			115V AC	230V AC	

Wiring

49-357	General	Consists of 8', #16-3 Wire Cable, SJ/3 Prong 115 V Grounding Plug.	13	—	3
49-513	General	Consists of 8', #14-3 Wire Cable, S/3 Prong 115 V Grounding Plug.	15	—	3
49-417	General	Consists of 8', #16-3 Wire Cable, SJ/3 Prong 230 V Grounding Plug.	—	13	2
49-514	General	Consists of 8', #14-3 Wire Cable, S/3 Prong 230 V Grounding Plug.	—	15	3

Saf-Start-Plug® Wiring Kit Provides no-voltage protection for fractional HP motor driven equipment. Replaces standard power cord and plug. Prevent motor from automatically restarting after power interruptions.

49-350	General	Saf-Start-Plug with reset button, 3-Prong 120 V grounding plug and 8', #14-3 wire cable.	15	—	1
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Three Phase Manual Control Switch

Catalog Number	Product Usage	Description	Max. HP Rating of Switches		Weight Lbs.
			200-230V AC	460-575V AC	
52-347	General	Start and Stop Push Button Switch, 3-Pole. Includes Box, Cover, Gasket and mounting hardware. Recommended for use on Open Steel Stand.	2	2	2

Single and Three Phase Magnetic Control Switch

Catalog Number	Product Usage	Description	Voltage Rating	Weight Lbs.
52-348	General	Start and Stop Push Button Magnetic Starter Control Switch. Includes Box, Cover, Gasket and mounting hardware. Recommended for remote control of magnetic starters and for replacement use.	600 Volts Max.	2

Magnetic Motor Starters with 24 Volt Control (LVC)

Delta LVC Magnetic Motor Starters have been designed for exclusive use on Delta Industrial Machines. All starters are supplied in a dust-tight enclosure and provide low-voltage, no voltage and accurate overload protection. When ordering heaters, specify motor number with nameplate volts, amps, RPM and HP. Separate 24-volt magnetic control switch must be used with starters. Order Magnetic Control Switch No. 52-348 for use in conjunction with starter No. 52-704 or 52-702. For retrofit mounting of LVC controls on drill presses, order mounting plate separately.

Catalog Number	Product Usage	Description	Maximum HP rating				Weight Lbs.
			1 Phase		3 Phase		
			115V AC	230V AC	200-230V AC	400-460V AC	
52-704	General	Definite purpose full voltage motor starter with 24-volt control (LVC) transformer. Designed for single phase, 115-230 volt, 50/60Hz. power systems. CSA listed. Order heater separately.	1.5	5.0	—	—	12
52-700	RT-40 14" T.A. Saw, RT-31 10" Scoring Saw, FU-42 18½" Jointer, RC-S1 20" Planer & RS-15 5-Spd. Wood Shaper	Special single phase motor starter to eliminate motor regeneration. Supplied with 24-volt control (LVC) transformer, 115-230 volt, 50/60 Hz. CSA listed. Order one heater separately.	1.5	5.0	—	—	12
52-701	12" Wood Lathes	Special slow start motor starter with 24-volt control (LVC) transformer. Designed for use with single phase 12" wood lathes, 115-230 volt, 50/60 Hz. CSA listed. Order one heater separately.	1.5	1.5	—	—	12
52-716	12" Wood Lathes	Special slow start motor starter with 24-volt control (LVC) transformer. Designed for use with three phase 12" wood lathes, 200-230-400-460 volt, 50/60 Hz. CSA listed. Order three heaters separately.	—	—	7.5	7.5	12
52-702	General	Definite purpose full voltage motor starter with 24-volt control (LVC) transformer. Designed for three phase, 200-230-400-460 volt, 50/60 Hz. power systems. CSA listed. Order three heaters separately.	—	—	7.5	7.5	12

Control Transformers These transformers provide 115 volt control when used with Magnetic Starters. They have a secondary voltage of 115 volts; are rated 50 VA, 60 Cy. They are supplied with integral pipe nipple for mounting in starter box knockout.

Catalog Number	Product Usage	Description	Voltage Rating	Weight Lbs.
49-517	General	Control Transformer.	575	2
49-530	General	Control Transformer.	200-230-460	2

"JIC" Type Three Phase Control Kit

49-000	See product page	Consists of Allen-Bradley combination non-reversing, size 1 starter with 60 Amp fused disconnect and control transformer in a NEMA type 12 enclosure. Unit is mounted and wired with oil tight conduit and fittings to an oil tight, surface mounted start-stop control station and totally enclosed motor. This kit must be ordered in addition to a three phase push button control and magnetic starter (with 115V transformer) ordered with the machine.
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Delta will repair or replace, at its expense and at its option, any Delta machine, machine part, or machine accessory which in normal use has proven to be defective in workmanship or material, provided that the customer notifies his supplying distributor of the alleged defect within two years from the date of delivery to him, of the product and provides Delta Machinery with reasonable opportunity to verify the defect by inspection. Delta Machinery may require that electric motors be returned prepaid to the supplying distributor or authorized service center for inspection and repair or replacement. Delta Machinery will not be responsible for any asserted defect which has resulted from misuse, abuse or repair or alteration made or specifically authorized by anyone other than an authorized Delta service facility or representative. Under no circumstances will Delta Machinery be liable for incidental or consequential damages resulting from defective products. This warranty is Delta Machinery's sole warranty and sets forth the customer's exclusive remedy, with respect to defective products; all other warranties, express or implied, whether of merchantability, fitness for purpose, or otherwise, are expressly disclaimed by Delta.

Authorized Service Stations

A nationwide network of more than 150 authorized Delta Service Stations stand ready to service Delta Machinery should they ever require maintenance and repair. Skilled technicians using the latest approved repair method and genuine Delta parts assure prompt, efficient and economical service.

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Birmingham 35209
Porter-Cable Corporation
131 W. Oxmoor Rd., Suite 105
205-942-6325
Huntsville 35816
Huntsville Equipment Sales
and Rental
4728 University Drive
205-837-9400
Montgomery 36121
Nor-Wood Industries Inc.
581-A George Todd Drive
205-260-9663
Theodore 36590
Mobile Mechanical Services
5787 I-10 Industrial Parkway
205-653-6948

ALASKA

Anchorage 99503
Alaska Tool & Equip. Service
3207 Arctic Boulevard
907-562-6151
Fairbanks 99706
Fairbanks Aero Services, Inc.
Box 60590, Phillips Field
907-479-6666

ARIZONA

Phoenix 85014
Glenn's Tool Service
4036 North 13th Way
602-264-6203
Tucson 85705
Circle Saw Shop & Ind. Tool Inc.
714 W. Grant Road
602-624-5248

ARKANSAS

Hot Springs 71901
Arkansas Tool Service
804 Valley Street
501-321-9851
Little Rock 72202
Electric Tool Service
1419 West 10th Street
501-374-8180
Ft. Smith 72901
Tool Service Co.
4420 Wheeler Avenue
501-648-3125

CALIFORNIA

Eureka 95501
Electric Tool Co.
2810 Park Street
707-442-4267
Fresno 93703
R & R Machinery &
Electric, Inc.
1919 E. Home Avenue
209-233-1213
City of Industry 91745
Porter-Cable Corporation
1305 John Reed Ct.
818-333-3566
Modesto 95351
Stanislaus Electric Mtr. Wrks.
504 River Road
209-523-8269
National City 92050
National Tool and Repair Inc.
241 W. 35th Street STE D
619-422-8665
North Hollywood 91605
Bucknall Power Tool Service
11910 Vose Street
818-765-0228
Redding 96002
Electric Tool and Motor
915 Wall Street # 1
916-222-1131
Sacramento 95814
Construction Industry
Service Company
1211 C Street
916-444-2525
San Diego 92011
Ori Services Corp.
1075 Bay Blvd. Suite A
619-585-9439

San Leandro 94577
Porter-Cable Corporation
3039 Teagarden Street
415-357-9762
Santa Rosa 95401
Acme Electric Tool Repair
742 Wilson Street
707-546-5862
Santa Rosa 95403
H & V Tool Repair
1808 Empire Ind. Court D
707-528-1111

Simi Valley 93065
Simi Tool Repair
1236 Los Angeles Ave.
Unit D
805-584-8138
Torrance 90502
Universal Tool Service
21804 S. Vermont Ave.
213-328-6472
Whittier 90602
Battels Hardware and Tool Co.
13238 E. Whittier Blvd.
213-698-3714

COLORADO

Colorado Springs 80219
Schlosser Tools & Machinery
3970 Sinton Road
303-636-1311
Denver 80204
Porter-Cable Corporation
2561 West 8th Avenue
303-892-6113
Grand Junction 81501
Professional Tool Service, Inc.
124 N. 22nd Ct.
303-241-3158

CONNECTICUT

Hartford 06106
Utility Electric Service, Inc.
53 Main Street
203-246-7271
Oakville 06779
Watertown Tool Repair
28 Main Street
203-596-1344

FLORIDA

Ft. Myers 33905
Power Tool Repair of Ft. Myers
9950 Orange River Blvd.
813-694-6058
Gainesville 32609
Florida Fastener & Tool Co., Inc.
2826 North Waldo Road
904-377-4587
Hialeah 33014
Porter-Cable Corporation
16373-75 NW 57th Ave.
305-624-2523
Jacksonville 32205
North Florida Machinery &
Tool Repair
230-B Edgewood Ave. South
904-387-4455
Orlando 32803
Porter-Cable Corporation
1807 1/2 Winter Park Road
407-644-8100
Pensacola 32581
Electric Motor Service, Inc.
3810 Hopkins Street
904-433-5492
Riviera Beach 33404
Tool Depot
3705 E. Industrial Way
407-848-4320
Tampa 33609
Porter-Cable Corporation
4538 W. Kennedy Blvd.
813-877-9585

GEORGIA

Augusta 30901
Tool Service Center
302 Walton Way
404-724-4803

Forest Park 30050
Porter-Cable Corporation
4017 Jonesboro Road
404-363-8000
Savannah 31402
Morgan's
110 Ann Street
912-234-2271

HAWAII

Hilo 96720
Hawaii Planing Mill Ltd.
380 Kanoolehua Avenue
808-935-0875
Honolulu 96819
A.L. Kilgo Co.
180 Sand Island Rd.
808-832-2200
Honolulu 96819
Slim's Power Tools, Inc.
1626 Republican Street
808-841-0902
Honolulu 96817
John Grinnon Co., Inc.
345 N. Nimitz Hwy.
808-538-7333
Kahului 96732
Maui Power Tool Service
251-H2 Lalo Street
808-877-3440

IDAHO

Boise 83705
Air Equipment Company
2350 South Orchard Street
208-375-1313
Boise 83706
K C Supply Company
5103 Irving Street
208-375-1133
Coeur d'Alene 83814
Coeur d'Alene Tool
451 Cherry Lane & Hwy 95
208-667-1158
Idaho Falls 83403
Rossiter Electric Motor
1501 South Capital Avenue
208-529-3665
Twin Falls 83301
Ellis Repair
2380 Kimberly Road
208-734-4400

ILLINOIS

Addison (Chicago) 60101
Porter-Cable Corporation
311 Laura Drive
708-628-6100
North Pekin 61554
Central Tool & Equipment
97 Highway Blvd.
309-382-2400
Springfield 62702
James Machinery
223 N. MacArthur
217-522-9115

INDIANA

Elkhart 46516
Thunander Corporation
21861 Protecta Drive
219-295-4131
Evansville 47711
Tri-State Repair Service
1327 N. Fares
812-464-9341
Fort Wayne 46808
Merrick Evans Inc.
2116 W. Coliseum Blvd.
219-482-4822
Goshen 46526
C & L Electric Motor Repair
1405 Chicago Avenue
219-533-2643
Indianapolis 46241
Macco Equip. Co., Inc.
3129 Kentucky Avenue
317-248-1444
Indianapolis 46220
Standiford Associates, Inc.
5335 N. Tacoma Avenue
317-257-1368

IOWA

Davenport 52803
Industrial Engineering
Equipment Co.
1958 River Street
319-323-9721
Des Moines 50309
Puckett Tool & Fastener
841 11th Street
515-244-4189

KANSAS

Wichita 67213
Richmond Electric Co.
911 Maple
316-264-2344
KENTUCKY
Louisville 40219
Ball Bros. Machine &
Tool Repair
8109 Preston Highway
502-969-1626

LOUISIANA

Baton Rouge 70806
Baton Rouge Rental Service
5101 Government Street
504-924-2959
Metairie 70002
R.J. Marchand
Contractor Spec., Inc.
3515 Division Street
504-888-2922
New Orleans 70125
Beerman Precision, Inc.
4206 Howard Avenue
504-486-9391
Shreveport 71101
McClamroch Machinery
939 Louisiana Avenue
318-222-9249

MAINE

Portland 04104
M and W Tool Service
38 Portland Street
207-772-2057
Bangor 04401
N.H. Bragg & Son
92 Perry Road
207-947-8611

MARYLAND

Baltimore 21205
Porter-Cable Corporation
4714 Erdman Avenue
301-483-3100
Hyattsville 20781
Porter-Cable Corporation
4811 Kenilworth Avenue
301-779-8080

MASSACHUSETTS

Boston (Allston) 02134
Porter-Cable Corporation
414 Cambridge Street
617-782-1700
Fall River 02721
Burns, Inc.
350 M.S. Bishop Blvd.
508-675-0381
Springfield 01105
Saw Center
472 Main Street
413-734-2045

MICHIGAN

Gladwin 48624
Tool Haus
630 N. Silver Leaf
517-426-4549
Grand Rapids 49508
Porter-Cable Corporation
3755 G. Broadmoor S.E.
616-949-9040
Petoskey 49770
Ed's Electric Appliance Service
3924 Charlevoix Road
616-347-9599

Southfield (Detroit) 48075
Porter-Cable Corporation
18650 W. Eight Mile Road
313-569-4333

Traverse City 49684
Davis Electric, Inc.
1131 Hastings Street
616-947-9860

MINNESOTA

Minneapolis 55429
Porter-Cable Corporation
4315 68th Avenue North
612-561-9080

MISSISSIPPI

Hattiesburg 39404
Mitchell Power Tool Service
2000 Byron Street
601-264-3308
Jackson 39202
Flannigan Electric Co., Inc.
1820 S. West St. Ext.,
P.O. Box 8657
601-354-2756

MISSOURI

North Kansas City 64116
Porter-Cable Corporation
1141 Swift Avenue
816-221-2070
St. Louis 63119
Porter-Cable Corporation
7574 Watson Road
314-968-8950
Springfield 65802
Middle Earth Tool Repair, Inc.
1661 St. Louis
417-831-0954

MONTANA

Billings 59101
Allen's Electric Tool Repair
431 St. John's Avenue
406-248-3865
Black Eagle 59414
Mosch Electric Motors
2513 17th Street North
406-453-2481
Missoula 59806
City Electric
Electro Service Center Div.
1919 Harve
406-549-4115
Missoula 59801
Montana Tool Co.
1908 North Avenue W.
406-721-6425

NEBRASKA

Lincoln 68504
Lincoln Tool Center
EMF Inc.
Lincoln Tool Service Center
3535 North 40
402-464-1157
Omaha 68127
Thacker Electric Co.
8507 I Street
402-592-9433
Omaha 68127
Tool Hospital
4630 So. 85 Street
492-592-5220

NEVADA

Las Vegas 89103
E & M Industrial Hardware
3725 West Russell Road
702-736-6102

(continued)

Authorized Service Stations (continued)

Las Vegas 89109
Tool Service Inc.
3229 Industrial Road
702-734-9161

Las Vegas 89118
All Tools Repair
5720 S. Valley View #5
702-736-8665
Reno 89512
Comstock Electric
425 Eureka Avenue
702-323-5982

NEW HAMPSHIRE

Nashua 03061
Hammar Industrial
175 Amherst Street
603-882-5161

NEW JERSEY

Union 07083
Porter-Cable Corporation
945 Ball Avenue
201-964-1730

NEW MEXICO

Albuquerque 87108
J-M Tool Repair Co.
320 Florida S.E.
505-255-2304

NEW YORK

Amherst 14226
Philipps Bros. Supply, Inc.
2525 Kensington Avenue
716-839-4800
Buffalo 14210
SS Electric Repair Shop Inc.
2470 Seneca Street
716-823-1232
Flushing 11365
Porter-Cable Corporation
175-25 Horace Harding Expwy.
718-225-2040

Kingston 12401
Miron Bldg. Products Inc.
Route #9W North
914-336-6000

Rochester 14608
Jackson Saw & Knife Co.
517 State Street
716-546-7485

Rochester 14609
O.G. Schwarz
430 Atlantic Avenue
716-482-9282

Southampton 11968
Richards Tool & Motor Repair
County Road 39 & N. Main St.
516-283-5130

Utica 13502
McQuade and Bannigan
1300 Stark Street
315-724-7119

Vestal 13850
Cascade Electric Inc.
416 Commerce Road
607-729-5278

NORTH CAROLINA

Boone 28607
Action Power Tools
Route 3, Box 23A
704-963-7271
Charlotte 28209
Porter-Cable Corporation
4303-B South Boulevard
704-525-4410

Fayetteville 28301
Redi Supply Company
1815 Ramsey Street
919-483-1090

Greenville 27834
Redi Supply Company
1902 Chestnut Street
919-758-3200

Raleigh 27604
Specialty Tool Service
of Raleigh, Inc.
2420 Atlantic Avenue
919-833-5903
Winston Salem 27106
Piedmont Power Machine
Service, Inc.
4305J Enterprise Dr.
919-759-2022

Wilmington 28401
Coastal Tool and
Equipment Repair
1515 S. Front Street
919-762-0777
Wilmington 28405
M.F. McLean Enterprises
2501 Old Wrightsboro Rd.
919-343-1775

NORTH DAKOTA

Bismarck 58501
Acme Electric Motor, Inc.
1009 Basin Avenue
701-258-1267
 Fargo 58103
Acme Electric Motor, Inc.
3401 Interstate Blvd.
701-235-8060
Grand Forks 58201
Acme Electric Motor, Inc.
1705 13th Avenue North
701-746-6481
Minot 58701
Acme Electric Motor, Inc.
525 20th Avenue S.E.
701-839-2263

OHIO

Alpha (Dayton) 45301
Authorized Tool Service Co.
676 Orchard Lane
513-429-5593
Barberton 44203
Viking Akron Tool & Supply Co.
2915 New Park Drive
216-753-1063
Cincinnati 45215
Pro Tool Service, Inc.
1125 Glendale-Milford Road
513-772-1490
Cincinnati 45245
Pro Tool Service
747 Ohio Pike
513-753-4349
Columbus 43214
Porter-Cable Corporation
4560 Indianola Avenue
614-263-0929
North Canton 44720
N. Canton Repair Shop
1555 North Main
216-499-3529
Toledo 43606
Power Tool Sales & Service
2934 Douglas Road
419-473-0962
Toledo 43613
Electric Tool & Equipment
3156 Upton Avenue
419-474-7537
Valley View 44125
Porter-Cable Corporation
Sweet Valley Business Park
Unit #18
216-447-9030
West Milton 45383
Conken Equipment Co.
4950 Frederick Garland Road
513-698-3363
Youngstown 44512
Moff Master Power Tools
5228 Market Street
216-783-2130

Cincinnati 45245
Pro Tool Service
747 Ohio Pike
513-753-4349

Columbus 43214
Porter-Cable Corporation
4560 Indianola Avenue
614-263-0929

North Canton 44720
N. Canton Repair Shop
1555 North Main
216-499-3529

Toledo 43606
Power Tool Sales & Service
2934 Douglas Road
419-473-0962

Toledo 43613
Electric Tool & Equipment
3156 Upton Avenue
419-474-7537

Valley View 44125
Porter-Cable Corporation
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Unit #18
216-447-9030

West Milton 45383
Conken Equipment Co.
4950 Frederick Garland Road
513-698-3363

Youngstown 44512
Moff Master Power Tools
5228 Market Street
216-783-2130

OKLAHOMA

Oklahoma City 73126
Whitton Supply Co.
1419 W. Reno
405-236-5561
Tulsa 74101
Wesche Company
2005 East 7th Place
918-583-7551

OREGON

Eugene 97402
Jim's Tool Service
515 Wilson Street
503-344-1513
503-344-1243
Medford 97501
Precision Power Tool
Repair Inc.
2919 N. Pacific Highway
503-770-5541

Portland 97212
Continental Machine & Tool Inc.
51 N.E. Hancock
503-288-6888

PENNSYLVANIA

Allentown 18103
Curio Electric Repair
825 S. 5th
215-432-9923
Harrisburg 17105
Stationary Equipment Sales
& Service
Rear 3605 Ridgeway Rd.
717-545-8043
Kingston 18704
Total Services & Systems, Inc.
(Harris Ind. Supply)
166 W. Union St.
717-287-2121
Monroeville 15146
Professional Tool Service
700 Seco Road
Monroeville Industrial Park
412-373-7440
Philadelphia 19154
Porter-Cable Corporation
12285 McNulty Road
215-677-7800
Slatingsburg 18080
Doward's Electric
4711 Main Street
215-767-8148

RHODE ISLAND

Providence 02914
Porter-Cable Corporation
1009 Waterman Avenue
401-434-3620

SOUTH CAROLINA

Charleston 29405
Charleston Supply Co.
1791 King Street Ext.
803-722-8851
Columbia 29203
Mann Electric Repair Co.
3600 Main Street
803-252-7777
Greenville 29602
Poe Corporation
556 Perry Avenue
803-271-9000
Myrtle Beach 29577
Coastal Electric and
Rewinding Co.
718 8th Avenue North
803-448-3586
Spartanburg 29302
Cash Supply
113 Country Club Rd.
803-585-9326

SOUTH DAKOTA

Rapid City 57702
Stan Houston Equipment Co.
1210 Deadwood Avenue
605-348-1155
Sioux Falls 57101
Stan Houston Equip. Co.
501 S. Marion Road
605-336-3727

TENNESSEE

Chattanooga 37412
F & D Tool Service & Supply
4121 Ringgold Rd.
615-698-6454
Clarksville 37042
Opa's Shop
312 Pine Mountain Road
615-647-5842
Jackson 38301
Smith Tool Service
908 S. Highland Ave.
901-427-4012
Jamestown 38556
Kirby's Fix It
120 N. Norris
615-879-7414
Knoxville 37918
Shop Equipment Service Co.
4821 North Broadway
615-688-3574

Memphis 38116
Express Tool Service Inc.
1004 East Brooks Road
901-332-1353

Nashville 37210
Allied Tool Repair
1005 Second Avenue South
615-242-8026

TEXAS

Abilene 79604
Abilene Lumber Co., Inc.
2025 Industrial Blvd.
915-698-4465
Amarillo 79109
Builder's Tool Service
2705 Virginia Circle
806-352-1772
Austin 78722
Hamilton Electric Works Inc.
3800 Airport Blvd.
512-472-2428
Austin 78758-5498
The Tool Box
9906A Gray Boulevard
512-836-5483
Corpus Christi 78405
Corpus Christi
Power Tool & Repair
3701 Agnes
512-883-1117
Corpus Christi 78405
Otto Dukas Machinery Co.
2588 Morgan Street
512-883-0921
Dallas 75220
Porter-Cable Corporation
10714 N. Stemmons Freeway
214-353-2996
El Paso 79905
C.L. North Co.
123 Chelsea St.
915-772-1469
Ft. Worth 76110
Air & Electric Tool Co., Inc.
3301 South Grove
817-921-0231
Houston 77092
Porter-Cable Corporation
5201 Mitchelldale, Suite B-9
713-682-0334
Longview 75606
Eastex Welding
1232 W. Marshall
214-758-7327
Lubbock 79405
Lubbock Electric
1108 34th Street
806-744-2336
San Antonio 78205
Electric Motor Service
1514 E. Commerce
512-226-3462
Sherman 75090
Texoma Tool Repair Co.
309 E. Houston Street
214-892-1510
Texarkana 75501
Ray's Electric Motor Repair
922 Bowie Street
214-792-7031
Tyler 75702
Mason Machinery
1908 W. Erwin Street
214-592-6581
Weslaco 78596
Weslaco Tool
316 E. 4th Street
512-968-9156
Wichita Falls 76301
Bond Tool Company
414 Ohio Street
817-322-5343

Corpus Christi 78405
Corpus Christi
Power Tool & Repair
3701 Agnes
512-883-1117

Corpus Christi 78405
Otto Dukas Machinery Co.
2588 Morgan Street
512-883-0921

Dallas 75220
Porter-Cable Corporation
10714 N. Stemmons Freeway
214-353-2996

El Paso 79905
C.L. North Co.
123 Chelsea St.
915-772-1469

Ft. Worth 76110
Air & Electric Tool Co., Inc.
3301 South Grove
817-921-0231

Houston 77092
Porter-Cable Corporation
5201 Mitchelldale, Suite B-9
713-682-0334

Longview 75606
Eastex Welding
1232 W. Marshall
214-758-7327

Lubbock 79405
Lubbock Electric
1108 34th Street
806-744-2336

San Antonio 78205
Electric Motor Service
1514 E. Commerce
512-226-3462

Sherman 75090
Texoma Tool Repair Co.
309 E. Houston Street
214-892-1510

Texarkana 75501
Ray's Electric Motor Repair
922 Bowie Street
214-792-7031

Tyler 75702
Mason Machinery
1908 W. Erwin Street
214-592-6581

Weslaco 78596
Weslaco Tool
316 E. 4th Street
512-968-9156

Wichita Falls 76301
Bond Tool Company
414 Ohio Street
817-322-5343

UTAH

Salt Lake City 84115
A.C. Tool & Service, Inc.
2990 S.W. Temple
801-487-4953

VERMONT

South Burlington 05403
Burlington Tool Repair
23 San Remo Drive
802-658-4131

VIRGINIA

Charlottesville 22901
Allen Desper Repair Service
1132 E. Market Street
804-293-7913
Harrisonburg 22801
Rocking R Hardware
1030 S. High Street
703-434-9967
Newport News 23606
National Tool Supplies
806 Middle Ground Blvd.
804-873-1115
Norfolk 23502
Henry Walke Co.
1161 Ingle Side Rd.
804-855-0502
Norfolk 23517
Bryan Electric Co., Inc.
424 West 25th Street
804-625-0378
Richmond 23230
Southland Power Tool Service
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10700 W. Burleigh Street
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