Look For These Quality Features Found in Delta-Milwaukee Machine Tools

The outstanding performance of Delta tools and their production records in thousands of shops is based on hard, cold facts: these machine tools deliver more accuracy, have longer life, are lower in cost, have greater flexibility and adaptability than any similar type.

There are five basic features you must have if you are to get the kind of operation you need in machines of this kind:
1. Lubricated-for-life, double-sealed ball bearings.
2. Precision bored seats in which the bearings are held.
3. Bearings that are "pre-loaded" to give accuracy and rigidity.
4. All spindles, shafts, etc., precision ground.
5. All high-speed pulleys and rotating parts dynamically balanced.

Most of these features are exclusive—and can be found only in Delta-Milwaukee machines, and no line has all these features together with our exclusive patterns.

REMEMBER—Other machines may look like Delta's on casual inspection, but the hidden value of Delta's design, as well as the more obvious advantages of the machine, make Delta machines, dollar for dollar, the best machine tools you can purchase.

1. Lubricated-for-life Ball Bearings Eliminate Lubrication Problems

The high speed bearings in Delta machines rotate on needle point contacts between the inner and outer races. It is obvious that any dust or abrasive particles would do serious harm. Delta uses a sealed bearing which keeps dust and grit out and prevents loss of lubricant. At the factory these bearings are packed for life with the proper lubricant. Thus these bearings need never be oiled for their entire life, reducing maintenance costs. No dirt can enter, no lubricant can leak out—the ideal bearing for the long life you need in your machine tools.

2. Precision Bored Bearing Seats Assure Accuracy and Smooth Operation

The advantages of using a good lubricated-for-life ball bearing are entirely lost unless the bearing is held firmly in a perfectly round, accurate and properly lined-up bearing seat in the machine casting. Usually the bearing seat is bored on a lathe with a tool that produces a rather large chip by taking a heavy cut at slow speed. The result is an uneven seat with the bearing riding on just the high points, often becoming loose after a few hours of operation. Precision or "Diamond" boring is used in Delta bearing seats. The seat is perfectly smooth. The bearing fits closely, is tightly held and cannot become loose. The seat is perfectly round, true to size, is in correct position and in PERFECT ALIGNMENT.

3. Preloaded Bearings Provide Maximum Rigidity and Accuracy Under Load

The preloading of the bearings is one of the most important quality features in Delta machines. Most bearings have inherent "end play" or movement of a few thousandths of an inch and will not run true. The act of preloading removes this play. The inner race is held rigid and the outer race forced up or down as shown by the line sketch to the left. This eliminates all play in the bearing, and by adding a slight additional preload the bearing runs true and accurate. Preloading the bearings improves the machines' original accuracy, maintains it longer, and increases the bearing life even when the nature of the work permits continued use until the bearings are completely worn out.

4. All Spindles, Arbors and Collars

All of the quality features found in Delta machine tools are important and necessary for precision work. If you eliminate any one you would nullify the value of the others. To continue the accuracy you need, all spindles, arbors and collars are precision ground. This is done by rotating the part against an accurately controlled revolving grinding wheel. Thus exact sizes of parts are maintained and extremely close tolerances are held between the shaft and the inner bearing race. This quality feature provides almost a solid member from the seat, through the bearing and shaft to the other seat with no opportunity for "play." The smoothly ground and almost polished shaft provides full even contact between shaft and bearing at all times.

5. Dynamic Balance of Rotating Parts Insures Smooth, True Performance

A pulley not in perfect balance causes vibration which places a tremendous strain on the bearings. This causes undue wear and an immediate loss of efficiency. To overcome this, all pulleys running at high speed in Delta machines are dynamically balanced. In dynamic or running balance each pulley is put upon a sensitive balancing machine as shown to the left and is actually run. Dial indicators show exactly where any unbalanced weight is located, and this is eliminated by removing a small amount of metal. You will appreciate this because you can continue to do accurate work and your Delta machines will continue to give long, satisfactory and accurate service.

Delta 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. 1,577,860; 1,790,988; 1,823,813; 1,877,735; 1,904,101; 1,906,041; 1,937,070; 1,968,140; 1,910,651; 1,930,022; 1,938,548; 1,938,549; 1,947,885; 1,950,199; 1,963,688; 1,984,653; 1,984,652; 1,985,791; 1,960,927; 1,975,926; 1,984,500; 1,992,728; 2,004,678; 2,007,697; 2,009,024; 2,010,843; 2,020,219; 2,029,222; 2,029,344; 2,042,233; 2,052,273; 2,075,272; 2,073,013; 2,073,574; 2,045,422; 2,067,552; 2,083,131; 2,093,235; 2,093,259; 2,099,321; 2,108,068; 2,122,966; 2,165,282; 2,193,046; 2,202,875; 2,210,135; 2,214,129; 2,240,426; 2,245,335; 2,285,096; 2,925,405; 2,332,656; 2,352,698; 2,346,108; 2,347,203; 2,352,235; 2,353,429; 2,360,931; 2,372,609; 2,374,716; 2,398,312; 2,398,333; 2,398,713; 2,397,178; 2,413,016; 2,413,121; 2,420,409; 2,420,200; 2,430,488; 2,430,045; 2,432,055; 2,485,847; 2,489,518; 2,490,658; 2,490,659.

Distributor's list: Canada: Canadian Tool & Machine, 111, 12th Ave., Toronto, Canada.

Foreign distribution, except territories of the U. S. A., Canada and the Philippines Islands, is through E. C. Tescott Export Corporation, 33 Pearl St., New York 1, New York.

All prices F. O. B. factory, Milwaukee, Wisc. or Leonia, Ohio. Prices shown in the latest price sheet supersede all prices previously quoted. All prices subject to change without notice. The right is reserved to make changes in design or equipment at any time, without incurring any obligation to install these machines previously sold, and to discontinue models of machines, motors or accessories at any time without notice. Any sales tax or other tax imposed will be added to the quoted prices.

DELTA POWER TOOLT DIVISION
PITTSBURG, PA.

Form AD-6944A March 1953 Printed in United States of America

14-inch Bench and Floor Type Single-Spindle Drill Presses

SPECIFICATIONS

Height—Floor Mod. 64 ½"; Bench Mod. 36 ½"; Col. Diam. 2 3/8"; Drill Stroke 4".

Speeds

High-Speed Model

- 600, 1250, 2400, 4600  r.p.m.

Slow-Speed Model

- 470, 780, 1300, 1920  r.p.m.

Cope: 1 ½" Cast Iron, 3/8" in Steel

Built-In Depth Gage

Depth Scale on Quill

Pulley Guard

Bench Model

No. 14-007

Showed with Motor

Floor Model

No. 14-207

Showed with Motor

Floor Model

No. 14-212

Showed with Motor

Floor Model

No. 14-215

Showed with Motor

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard Tilting Table</th>
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<th>Production Table</th>
<th>Prod. Table and Foot Feed</th>
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<td>Slow-Speed</td>
<td>High Speed</td>
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<td>14-008</td>
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WITH NO. 1 MORSE TAPER SPINDLE

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<td>Spindle to Table Max.</td>
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<td>17 ¼&quot;</td>
<td>46 ¾&quot;</td>
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WITH ½ INCH JACOBS CHUCK SPINDLE

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<td>Ship. Wt. Lbs.</td>
<td>110</td>
<td>110</td>
<td>178</td>
<td>178</td>
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Before You Buy A Drill Press Make Sure It Has Both A Self-Aligning Drive and A Free-Floating Spindle

The design of a high-speed telescoping drill press spindle drive requires more precision machining—it requires a design that will stay in alignment. The misalignment encountered in service may be small—perhaps not more than .002"—but even this is sufficient to cause trouble in high-speed spindles, and it is this trouble that the Delta-Milwaukee patented type of drive is designed to prevent.

The Spindle Drive STAYS Aligned!

From the outside, the Delta spindle pulley looks like any other simple pulley. But it is actually radically different. The pulley itself is balanced and is carried on a sealed-for-life ball bearing, of special design, with enormous reserve capacity above that required to take the belt pull. This bearing is mounted by means of a special extension of the inner race so that it cannot be sprung.

The actual drive of the pulley is transmitted to the spindle through a floating sleeve, with spur-gear teeth cut around its hub. These teeth mesh with an internal gear in the pulley so that the sleeve can "float" in all directions except the driving direction. This floating sleeve drives the spindle through splines fully 3 ½" long. The underside of the pulley is covered with a heavy pressed-steel plate, which secures the bearing, covers the pulley rib, prevents power-wasting "fan action" and keeps cut dirt when the drill head is operated upside-down.

Study the action of the floating sleeve and you will see that you not only get a true "free-floating" drive, but that you also get complete freedom from misalignment troubles due to wear or any other service conditions. This drive stays aligned!

Low Cost — Low Maintenance — Portability

These Drill Presses have become extremely popular in shops where low cost, low maintenance and portability are of importance. Having a capacity of ½" in cast iron there are dozens of places where this drill press will quickly pay for itself. Not only does it combine all the best features of drill presses of this kind, but it has additional advantages which make it the favorite wherever used. Its self-aligning drive and free-floating spindle, its sturdy quill design and construction, its ease of operation, its lubricated-for-life ball bearings—these are but a few of the "plus" values you receive in these fine accurate drill presses.

High-speed models include No. 397 V-belt and No. 985 motor pulley. Slow-speed models include No. 430 V-belt and No. 985 motor pulley. Order Jacobs Chuck spindle machines where straight shank drills only are to be used. This chuck will take drills from No. 60 to full ½".

Order No. 1 Morse taper spindle machines where taper shank drills only are to be used. Spindles in these machines are easily changed. Motors and switches not included with machines. Must be ordered separately.


For 3 Ph. motors use No. 1320 3-Phase Manual Starter or Magnetic Starters No. 1320 or No. 1321 with No. 1322 Mounting Parts. Use No. 1331 Switch Rod for all Single-Phase Motors.

See page 33 for Motors and Switch Parts.

(For Prices See Attached Price List)

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

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www.OzarkToolManuals.com
Drill Press Accessories and Attachments For Many Jobs

Attachment Converts 14" Drill Press Into An Efficient Mortiser

Woodworkers of all kinds—cabinet makers, contractors, repair men, instructors, pupils in school shops—everyone who makes mortise and tenon joints will find the No. 976 Mortising Attachment a time and labor saver.

Consists of heavy fence bolted to the drill press table. Two hooked rods hold the work against the fence and an adjustable hold-down keeps the work from being raised when the chisel is withdrawn. Capacity under hold-down 4 1/4"; capacity from ends of hooked rods to fence 2 3/4". Must be used with No. 974 spindle.

No. 976—Mortising Attachment complete. Without spindle, 7 lbs.

SHAPER ACCESSORIES FOR YOUR 14" DRILL PRESS

With these shaper cutters you can shape hundreds of different moldings on your drill press. Must be used with No. 977 Spindle or with No. 974 Spindle and No. 978 Adapter. Also used on Shaper.

No. Dia. Width Radius of Cut

D-1 1/4" 1/4" 1/4" 1/8" 3/16" 1/2" 5/8" 3/4" 1 5/8" 1 1/2" 2 1/8" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4"

D-2 1/2" 1/2" 1/2" 1/8" 3/16" 1/2" 5/8" 3/4" 1 5/8" 1 1/2" 2 1/8" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4"

D-3 3/4" 3/4" 3/4" 1/8" 3/16" 1/2" 5/8" 3/4" 1 5/8" 1 1/2" 2 1/8" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4"

D-4 1" 1" 1" 1/8" 3/16" 1/2" 5/8" 3/4" 1 5/8" 1 1/2" 2 1/8" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4"

D-5 1 1/4" 1 1/4" 1 1/4" 1/8" 3/16" 1/2" 5/8" 3/4" 1 5/8" 1 1/2" 2 1/8" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4"

D-6 1 1/2" 1 1/2" 1 1/2" 1/8" 3/16" 1/2" 5/8" 3/4" 1 5/8" 1 1/2" 2 1/8" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4"

D-7 1 3/4" 1 3/4" 1 3/4" 1/8" 3/16" 1/2" 5/8" 3/4" 1 5/8" 1 1/2" 2 1/8" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4"

D-8 2" 2" 2" 1/8" 3/16" 1/2" 5/8" 3/4" 1 5/8" 1 1/2" 2 1/8" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4" 2 1/2" 2 1/4"

No. 982—Shaper Fence. 12 lbs.

No. 11-805—Plywood Shaper Table 17-13/16" x 23-15/16". 3/4" thick with bracket for mounting ring guard. 10 lbs.

No. 800—Spring Hold-Downs hold work against fence and table. Can be set for either side of the fence, and are provided with universal brackets and long flexible spring. Three Lip Cutters provide hundreds of molding shapes. Made of special steel and hardened in oil. Cutters can be resharpened again and again by merely honing across the face of the cutting lip. Also box set with 12 pieces. Use No.980.

No. 890—Set of 24 Shaper Cutters D-1 to D-8. Listed at left, including D-8 blank cutter. With No.978 Adapter and 6 collars in box. 2 lbs.

MACHINE SPUR BITS

Selected steel. Have brad point and two cutting lips. Approximately 6 1/4" long overall. 1/4" shank weight per set 3 lbs. 1/4" shank. 2 1/2 lbs. Size 1/4" 1/2" 1 1/2" 2 1/2" 3 1/2" 5/8" 3/4" 1 1/2" 2 1/2" 3 1/2" 5/8" 1 1/2" 2 1/2" 3 1/2" 5/8"

INTERCHANGEABLE SPINDLES

One of the many outstanding advantages of the 14" drill press is the fact that the spindles are readily interchangeable. This enables you to select the right spindle for the job, increasing the application of your machine many times. All chuckers are balanced for high-speed work. Spindles have deep spines, and perfect balance for long wear.

HANDY, QUICK-SET ANGLE VISES FOR DRILL PRESS, GRINDER & BENCH WORK

Of tested quality and usefulness, these vises quickly raise to different angles and just as quickly lock in place. Side of vise is accurately graduated for angle work.

DELTAPOWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY
Save On Special Set-Ups With Standard 14" Drill Press Accessories

**No. 14-220** — Old No. 970-B—14" High-Speed Drill Press Head with 1/2" Jacobs Chuck, No. 300 Belt, and No. 956 Motor Pulley, 48 lbs.

**No. 14-223** — Old No. 1200-A—14" Gloss-Speed Drill Press Head with 1/2" Jacobs Chuck, No. 300 Belt, and No. 956 Motor Pulley, 48 lbs.

**No. 14-221** — Old No. 970-C—14" High-Speed Drill Press Head with No. 1 Morse Taper Spindle, No. 397 Belt, and No. 985 Motor Pulley, 48 lbs.

**No. 14-222** — Old No. 1200-A—14" Gloss-Speed Drill Press Head with No. 1 Morse Taper Spindle, No. 397 Belt, and No. 985 Motor Pulley, 48 lbs.

**No. 14-817** — Set of parts for changing Gloss-Speed Drill Press to High-Speed, 12 lbs.

**No. 14-290** — Set of parts for changing High-Speed Drill Press to Gloss-Speed, 10 lbs.

**No. 387** — V-Belt for High-Speed Drill Press, 1 lb.

**No. 310** — V-Rot for Gloss-Speed Drill Press, 1 lb.

**No. 969** — Pilot Wheel, 4 lbs.

**No. 992** — 3½" x 1½" Cup Wheel, 1½" hole, 1 lb.

**No. 963** — 3 1/2" Motor Pulley, Spindle bore, 2 lbs.

**No. 1097** — Complete Belt and Pulley Guards, 1 lb.

**No. 14-803** — Belt Guard only. Used where machine already has spindle pulley guard, 2 lbs.

**No. 1010** — Head Support Collar for Column, 1 lb.

**SURFACE PLATES THAT ARE 100% USEFUL AND CONVENIENT**

The four essentials of a 100% useful surface plate, for layout work, are the four essentials of the Delta Surface Plates.

1. A true surface to start with.
2. A properly ribbed casting to insure that surface stays true.
3. Adequate ledges at the edges of the plate for clamping purposes, and...
4. Edges that are machined square with one another and with the surface.

Formerly these advantages could be obtained only by high-priced hand-scraped, precision plates, and the user either purchased a plate of this type or else bought a plate that was more or less makeshift.

Now, Delta brings you a handy Surface Plate at low cost. A surface plate that is 100% useful and convenient. These plates can easily and economically be made into precision plates by simply scraping to a master plate, or to each other.

The photo at the right shows how angle plates, vices, etc., can be clamped to the surface plate.

**DELTA-Milwaukee Tapping Attachment for 14" Drill Press**

**Faster Work — Better Quality Work — More Economical Work**

The ability to produce quality threads...an increase in holes tapped per hour...ease of operation...and the saving of tapers...all are performance features of the new Delta-Milwaukee tapping attachment.

Using an internal expanding drum type friction drive (see photo to the left, showing internal working parts and friction drum drive) the drum itself expands and firmly grasps the entire circumference of the shell from the inside. There is no top or bottom pressure. This means greater accuracy, more uniformly in holes tapped, less chance of wear and no loss through slippage. The housing is made of heat-treated magnesium and will withstand high temperatures without warping. It operates without pressure on the tap itself and may be run at any speed suitable to the material to be tapped.

**CATALOG Listings**

**No. 14-843** — Tapping Attachment for 14" Drill Press, 0-3/16" Capacity. Complete with spindle. 6 lbs.


(For Prices See Attached Price List)

**DELTA POWER TOOL DIVISION**

**ROCKWELL MANUFACTURING COMPANY**

Wide Range of Speeds with Multi-Speed Attachment

This attachment provides a wide range of speeds on both the slow and high-speed models. It consists of a bearing housing, bearing and shaft, which mounts on the drill press column together with a cone pulley and two belts. Belt slack is eliminated by turning casting so proper tension is always assured.

**No. 1028** — Multi-Speed Attachment for High-Speed Drill Press, complete with column casing, pulley and belts. Twelve speeds 270 to 11,000 r.p.m. 7 lbs.

**No. 1029** — Multi-Speed Attachment for Gloss-Speed Drill Press, complete with column casing, pulley and belts. Twelve speeds 165 to 4820 r.p.m. 8 lbs.

**No. 271** — Motor Pulley Belt for No. 1028 or No. 1029 Multi-Speed, 1/2 lb.

**No. 279** — Spindle Pulley Belt for No. 1029 Multi-Speed, 1/2 lb.

**No. 771** — Spindle Dolly Belt for No. 1028 Multi-Speed, 1/2 lb.

**SANDING DRUMS AND ABRASIVE SLEEVES FOR INSIDE AND CURVED SANDING WORK ON YOUR DRILL PRESS**

Perfect work is easy with these sanding drums. No fasteners to bump—no uneven expansion. When drums are assembled, each rubber section is separated from the neighbor by bakelite washers, with non-corrosive metal bushing next to the arbor. The drags are expanded perfectly uniformly, run dead true and produce perfect work. No. 840 drum has 1½" diameter seats to fit 1½" hollow spindle or chuck. Others have 1½" bore. Auxiliary shaft No. 1184 needed to attach No. 830 and No. 835 Drums to No. 974 Epiprime.

**No. 830** — 3½" dia. x 8" Drum, with one sleeve. Fits 1½" dia. shat. 2 lbs.

**No. 831** — 3½" x 3" Sleeves, No. 1½" Grit 499 garnet, 1 lb.

**No. 830** — 3½" x 3" Sleeves, No. 1½" Medium garnet, 1 lb.

**No. 833** — 3½" x 3" x 3" Sleeves, No. 1½" Grit Al oxide (for metal), 1 lb.

**No. 835** — 3½" x 3" x 3" Drum, with one sleeve. With 1½" shank to fit hollow spindle, 8 lbs.

**No. 834** — 3½" x 3" x 3" Drum, with one sleeve. With 1½" shank to fit hollow spindle, 8 lbs.

**No. 835** — 3½" x 3" x 3" Drum, with one sleeve. With 1½" shank to fit hollow spindle, 8 lbs.

**No. 836** — 1½" dia. x 3" Drum, with one sleeve. Fits 1½" dia. shat. 1¼ lb.

**No. 837** — 1½" dia. x 3" Sleeves, No. 1½" Grit 499 garnet, 1½ lb.

**No. 838** — 1½" dia. x 3" Sleeves, No. 1½" Medium garnet, 1½ lb.

**No. 839** — 1½" dia. x 3" Drum, with one sleeve. Fits 1½" dia. shat. 1¼ lb.

**No. 840** — 1½" dia. x 3" Drum, with one sleeve. Fits 1½" dia. shat. 1¼ lb.

**No. 841** — 1½" dia. x 3" Drum, 1½" Grit 499 garnet, 1½ lb.

**No. 842** — 1½" dia. x 3" Drum, 1½" Medium garnet, 1½ lb.

**No. 843** — 1½" dia. x 3" Drum, 1½" Al oxide (for metal), 1½ lb.

**No. 844** — Auxiliary shaft 4½"x¼" with mill spun flat unlined. For use with No. 830 and No. 974 Sanding Drums when used with No. 974 Spindle.

**NARROW SANDING DRUMS AND SLEEVES**

**No. 679** — 1½" x 1½" Drum, with one sleeve, 5½" shank, 1½ lb.

**No. 682** — 1½" x 1½" No. 40 grit Al oxide sleeves, 1½ lb.

**No. 683** — 1½" x 1½" No. 80 grit Al oxide sleeves, 1½ lb.

**No. 684** — 1½" x 1½" No. 80 grit Al oxide sleeves, 1½ lb.

**No. 685** — 1½" x 1½" No. 80 grit Al oxide sleeves, 1½ lb.

**No. 686** — 1½" x 1½" No. 80 grit Al oxide sleeves, 1½ lb.

**No. 687** — 1½" x 1½" No. 80 grit Al oxide sleeves, 1½ lb.

**No. 688** — 1½" x 1½" No. 80 grit Al oxide sleeves, 1½ lb.

**No. 689** — 1½" x 1½" No. 80 grit Al oxide sleeves, 1½ lb.

www.OzarkToolManuals.com
17-inch Floor Type, Single Spindle Drill Presses

**No. 17-205** Shown with Motor

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<th>Type</th>
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<td>Machine No.</td>
<td>17-205</td>
<td>17-206</td>
<td>17-210</td>
<td>17-256</td>
<td>17-261</td>
<td></td>
</tr>
<tr>
<td>Table Working Surface</td>
<td>11(\frac{2}{8})&quot; x 12&quot;</td>
<td>11(\frac{2}{8})&quot; x 12&quot;</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>17-256</td>
<td>17-261</td>
</tr>
<tr>
<td>Spindle to Table (B Max.)</td>
<td>43(\frac{1}{4})&quot;</td>
<td>53&quot;</td>
<td>43(\frac{1}{4})&quot;</td>
<td>43(\frac{1}{4})&quot;</td>
<td>370</td>
<td>370</td>
</tr>
<tr>
<td>Spindle to Base (A Max.)</td>
<td>43(\frac{1}{4})&quot;</td>
<td>43(\frac{1}{4})&quot;</td>
<td>43(\frac{1}{4})&quot;</td>
<td>43(\frac{1}{4})&quot;</td>
<td>370</td>
<td>370</td>
</tr>
<tr>
<td>Ship. Wt. Lbs.</td>
<td>310</td>
<td>310</td>
<td>310</td>
<td>310</td>
<td>404</td>
<td>404</td>
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</tbody>
</table>

**WITH 1/2 INCH JACOBS CHUCK AND SPINDLE**

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard Tilting Table</th>
<th>Production Table</th>
<th>Prod. Table and Stand</th>
<th>Motor No.</th>
<th>Horse Power</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine No.</td>
<td>17-207</td>
<td>17-208</td>
<td>17-212</td>
<td>17-256</td>
<td>17-261</td>
<td></td>
</tr>
<tr>
<td>Table Working Surface</td>
<td>11(\frac{2}{8})&quot; x 12&quot;</td>
<td>11(\frac{2}{8})&quot; x 12&quot;</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>17-256</td>
<td>17-261</td>
</tr>
<tr>
<td>Spindle Chuck to Table (B Max.)</td>
<td>44(\frac{1}{4})&quot;</td>
<td>44(\frac{1}{4})&quot;</td>
<td>44(\frac{1}{4})&quot;</td>
<td>44(\frac{1}{4})&quot;</td>
<td>370</td>
<td>370</td>
</tr>
<tr>
<td>Spindle Chuck to Base (A Max.)</td>
<td>44(\frac{1}{4})&quot;</td>
<td>44(\frac{1}{4})&quot;</td>
<td>44(\frac{1}{4})&quot;</td>
<td>44(\frac{1}{4})&quot;</td>
<td>370</td>
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</tr>
<tr>
<td>Ship. Wt. Lbs.</td>
<td>310</td>
<td>310</td>
<td>310</td>
<td>310</td>
<td>404</td>
<td>404</td>
</tr>
</tbody>
</table>

MOTORS AND SWITCHES NOT INCLUDED WITH MACHINE, ORDER SEPARATELY.

These 17-inch drill presses are supplied in twelve standard models as listed and illustrated above.

Capacity: 1/4" in cast iron.

**Machines include:** Table raising mechanism—Streamlined belt guard—Built-in depth gage—Depth scale on spindle return spring housing—Quill has 1/8 inch stroke or travel.

**Speeds:**
- High-SPEED Models: 700, 1150, 1750, 2750, and 4250 RPM.
- Slow-SPEED Models: 385, 600, 950, 1450, and 2240 RPM.

High-speed models include No. 501 V-belt and No. 1312 motor pulley. Slow-speed models include No. 506 V-belt and No. 1311 motor pulley.

Order Jacobs spindle models where straight shank drills 0"-1/2" are to be used.

Order No. 2 Morse taper spindles where taper shank drills are to be used. Where both straight and taper shank drills are to be used, order models with No. 3 Morse taper spindle and one the No. 960 chuck listed on page 7.

For individual parts for special setups and for accessories, see page 7.

**MOTORS RECOMMENDED:**
- For 3 Ph. motors use No. 1320 Manual Starter or Magnetic Starters No. 1323, or No. 1321 with No. 1022 uncoupling parts. Use No. 1022 switch rod for single phase motors. See page 32 for Motors and Switch Parts.

17-inch Single Spindle Floor Type Power Feed Drill Presses

**No. 17-260** Shown with Motor

<table>
<thead>
<tr>
<th>Type</th>
<th>Floor Type Single Spindle</th>
<th>Motor No.</th>
<th>Screw Speeds</th>
<th>High Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WITH NO. 2 MORSE TAPER SPINDLE</strong></td>
<td></td>
<td>17-260</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
</tr>
<tr>
<td>Machine No.</td>
<td>17-262</td>
<td>17-263</td>
<td>44(\frac{1}{4})&quot;</td>
<td>44(\frac{1}{4})&quot;</td>
</tr>
<tr>
<td>Table Working Surface</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>32&quot;</td>
<td>32&quot;</td>
</tr>
<tr>
<td>Ship. Wt. Lbs.</td>
<td>410</td>
<td>410</td>
<td>370</td>
<td>370</td>
</tr>
</tbody>
</table>

**WITH 1/2 INCH JACOBS CHUCK AND SPINDLE**

<table>
<thead>
<tr>
<th>Type</th>
<th>Floor Type Single Spindle</th>
<th>Motor No.</th>
<th>Screw Speeds</th>
<th>High Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WITH NO. 2 MORSE TAPER SPINDLE</strong></td>
<td></td>
<td>17-260</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
</tr>
<tr>
<td>Machine No.</td>
<td>17-262</td>
<td>17-263</td>
<td>44(\frac{1}{4})&quot;</td>
<td>44(\frac{1}{4})&quot;</td>
</tr>
<tr>
<td>Table Working Surface</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>12(\frac{4}{5})&quot; x 17&quot;</td>
<td>32&quot;</td>
<td>32&quot;</td>
</tr>
<tr>
<td>Ship. Wt. Lbs.</td>
<td>410</td>
<td>410</td>
<td>370</td>
<td>370</td>
</tr>
</tbody>
</table>

Motors and Switches not included with machines.

**DELTA POWER TOOL DIVISION**

**ROCKWELL MANUFACTURING COMPANY**
WOODWORKING ACCESSORIES

Mortising Attachment for 17" Drill Press. Complete with base, fence, hold-down, curved arm, chisel holder and bolts; without bit or chisel. Capacity under hold-down 6 1/8" thick, capacity from ends of hook rods to fence 2 1/2" thick. Mortising bit is held in standard Jacobs chucks.

No. 1381—Mortising Attachment. 15 lbs.

<table>
<thead>
<tr>
<th>Hollow Chisels</th>
<th>Mort. Bits</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Size</td>
</tr>
<tr>
<td>504</td>
<td>2 1/2</td>
</tr>
<tr>
<td>506</td>
<td>2 1/2</td>
</tr>
<tr>
<td>508</td>
<td>2 1/2</td>
</tr>
<tr>
<td>510</td>
<td>2 1/2</td>
</tr>
<tr>
<td>518</td>
<td>2 1/2</td>
</tr>
</tbody>
</table>

Machine Spur Bits

<table>
<thead>
<tr>
<th>Plug Cutters</th>
</tr>
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<tbody>
<tr>
<td>No.</td>
</tr>
<tr>
<td>604</td>
</tr>
<tr>
<td>605</td>
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<tr>
<td>607</td>
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<td>608</td>
</tr>
<tr>
<td>609</td>
</tr>
<tr>
<td>610</td>
</tr>
<tr>
<td>618</td>
</tr>
</tbody>
</table>

DELTA TAPPING ATTACHMENT

for 17" Drill Presses

FASTER WORK — BETTER QUALITY WORK — MORE ECONOMICAL WORK

Quality threads...an increase in tapped holes per hour...ease of operation...and the saving of taps...all are performance features of the new Delta tapping attachment!

Has an expanding drum type friction drive. The drum itself expands and firmly grips the entire circumference of the shell from the inside. There is no top or bottom pressure. May be run at any speed suitable to the material to be tapped. This means greater accuracy, more uniformity of holes tapped, less chance for wear and no loss through slippage. The housing is made of heat treated magnesium and will withstand high temperatures without warping.

No. 17-876—Tapping Attachment for 17" Drill Press, 0.125" Capacity. Weight: 7 lbs.
No. 17-876A—Tapping Attachment for 17" Drill Press, 0.125" Capacity. Weight: 9 lbs.

Note: Tapping Attachment includes Special No. 2 Morse Taper Drive Spindle.

LOW COST STANDARD 17" DRILL PRESS ACCESSORIES

No. 1391—Set of Change-Over Parts consisting of High Speed Pulleys and No. 501 Belt for changing Slo-Speed Drill Press into High Speed. 7 lbs.
No. 17-862—Set of Change-Over Parts consisting of Slo-Speed Pulleys and No. 520 Belt. For changing High Speed Drill Press into Slo-Speed. 10 lbs.
No. 501—V-Belt for 17" High Speed Drill Press. 1/2 lb.
No. 520—V-Belt for 17" Slo-Speed Drill Press. 1 1/2 lbs.
No. 1311—5-Step Motor Pulley for Slo-Speed. Specify bore. 3 lbs.
No. 1312—5-Step Motor Pulley for High Speed. Specify bore. 3 lbs.
No. 1380—Raising Mechanism for 17" Drill Press with Worm Shaft, Worm Gear and Pinion, Ball Handle, Rack, Ball Thrust Bearing and Collar for Column. 15 lbs.
No. 1371—Foot Feed for Floor Type 17" Drill Press. 34 lb
No. 906—1/2" Geared Jacobs Chuck with a No. 2 Morse Taper Shank To be used where straight shank drills are used in a drill press that has a No. 2 Morse Taper Spindle. 2 1/2 lbs.

POWER FEED ATTACHMENT FOR 17" DRILL PRESSES

Any standard Delta-Milwaukee 17" drill press can be easily and readily changed into a Power Feed Drill Press by adding the Power Feed Unit listed here. No special machining, drilling or fitting need be done. The Unit is perfectly interchangeable. It can be operated in any position and may be attached to your present drill press with little work. It is complete, consisting of gear box, motor pulley, belt guard, gear drive, handle assembly, motor plate, quill pinion shaft, stop rod, V-belt and idler as illustrated.

Convert your present 17" Drill Presses into Power Feed Units today. The low cost of the unit will more than pay for itself many times over in increased production.

No. 17-857—Power Feed Attachment complete to fit all 17" drill presses. 84 lbs.

EFFICIENT OPERATING SLO-SPEED ATTACHMENT

To meet the requirement of extra slow operation of the 17" Drill Press; the No. 17-860 Slo-Speed Attachment has been designed. Fits any Delta 17" Drill Press with No. 2 Morse Taper Spindle.

A train of accurately machined double reduction gears is used. This eliminates all chatter, and slippage, and means positive, smooth operation. Provides 16 different speeds. Gears are heat treated. Anti-friction bearings used throughout. Has No. 2 Morse Taper Spindle Socket. Spindle travel with slo-speed attachment is 4". Ratio of Input to Output is 4.7 to 1 R.P.M.

No. 17-860—Slo-Speed Attachment for 17" Drill Press with No. 2 Morse Taper Spindle. 11 lbs.

For Prices See Attached Price List

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

SPEEDS ON SLO-SPEED DRILL PRESSES

SPEEDS ON HIGH SPEED DRILL PRESSES

www.OzarkToolManuals.com
**Attatchments And Accessories That Increase The Use Of Your Grinder**

**DRILL GRINDING ATTACHMENT**

No. 1296—Drill Grinding Attachment

Accurate Scale for setting to Exact Angles.

Left: No. 1864 Wheel Dresser Holder and No. 3121 Wheel Dresser.

This improved drill grinding attachment uses the face of the wheel—the natural way. It is a precision built unit so accurately made—so easy and simple to operate that anyone can now do a perfect drill sharpening job. Micrometer settings insure evenly ground lips so that drills run true. The amount of lip clearance on the drill is just right with enough of the heel cut away to provide clearance without weakening the cutting edge.

An additional feature of this attachment is that you can grind a drill to fit your own job—with lip clearance and angles at any degree you need them. Capacity ⅛” to ⅜” drills.

No. 1296—Drill Grinding Attachment as illustrated with No. 1604 holder for wheel dresser, 9 lbs.

**BLADE GRINDING ATTACHMENT**

Here is a blade grinding attachment that has all of the best features of existing designs, yet has additional advantages that increase its usefulness in the shop. The carriage table clamps to the adjustable arm on the grinder and tilts so that the desired angle is obtained. This table is fully machined and on it rides the blade holder and clamp. The blade is clamped as shown—an adjustable quadrant is located on the left side which permits the accurate grinding of angle knives as well as assuring an accurate right angle position for straight knives. The knurled nut below gives hair-like adjustments for the amount of the “cut” when grinding. The entire carriage and clamp may be tilted off the table, thus providing a convenient and accurate table for other grinding without the necessity of replacing the regular tool rest.

Distance between clamp screws is 3-3/16”, affording ample space for wide knives as well as scrapers. Diamond Pointed Wheel Dresser No. 3121 may be clamped into holder alongside the angle quadrant for wheel dressing.

No. 1294—Blade Grinding Attachment as illustrated, 6 lbs.

**DIAMOND POINTED WHEEL DRESSER**

An efficient and inexpensive tool for dressing all types of general grinding wheels. The diamond is securely held—the tool is sturdy, 9½” long and has a comfortable handle.

No. 3121—Diamond Pointed Wheel Dresser, 1 lb.

No. 1664—Wheel Dressing Tool Holder, 1 lb.

**GENERAL ACCESSORIES**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Wt., Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1245</td>
<td>⅜” x 7” Aluminum Oxide Wheel, 60 Grit, Grade N, ⅛” Hole</td>
<td>2</td>
</tr>
<tr>
<td>1247</td>
<td>⅜” x 7” Aluminum Oxide Wheel, 46 Grit, Grade M, ⅛” Hole</td>
<td>2</td>
</tr>
<tr>
<td>1267</td>
<td>⅞” x 7” Vit. Al. Oxide Whl., 60 Grit, Grade N, ⅛” Hole</td>
<td>2</td>
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<tr>
<td>1250</td>
<td>Twin-Lite Shield (One Only), No Bulbs</td>
<td>3</td>
</tr>
<tr>
<td>1256</td>
<td>Fine-Knotted Wire Brush, ⅜” Hole, 6” Dia.</td>
<td>1</td>
</tr>
<tr>
<td>1257</td>
<td>Medium-knotted Wire Brush, ⅜” Hole, 6” Dia.</td>
<td>1</td>
</tr>
<tr>
<td>1238</td>
<td>Coarse-knotted Wire Brush, ⅜” Hole, 6” Dia.</td>
<td>1</td>
</tr>
<tr>
<td>1280</td>
<td>Bayonet Type Lamp Bulb</td>
<td>1</td>
</tr>
<tr>
<td>23-805</td>
<td>Pedestal for Standard Grinders</td>
<td>80</td>
</tr>
<tr>
<td>23-815</td>
<td>1-⅜” Al. Oxide Wheel, 60 Grit, Grade N, ⅛” Hole</td>
<td>4</td>
</tr>
<tr>
<td>23-816</td>
<td>1-⅜” Al. Oxide Wheel, 46 Grit, Grade M, ⅛” Hole</td>
<td>4</td>
</tr>
</tbody>
</table>

*Grinders prior to Serial No. 18-1403 take No. 1245 and No. 1247 grinding wheels. Subsequent grinders take No. 23-815 and No. 23-816. When ordering replacement wheels, be sure to specify correct catalog numbers.

**MOTORLESS, GRAVITY TYPE DUST COLLECTOR FOR GRINDER**

This practical and inexpensive dust collector is self-contained and need not be connected to the shop blower system. No electric power is required. Grinder is completely portable. Efficient filters trap practically all of the fine dust.

No. 1292—Dust Collector Unit for pedestal grinder with filter, brackets, screws, 28 lbs.

No. 1293—Replaceable Filter for above, 8 lbs.

**Motor Driven Dust Collector for Tool Grinder**

The Dust Collector shown below is ideally suited to the Tool Grinder because it traps all abrasive dust which otherwise would be harmful to the operator and to expensive machinery. The motor is not forced out of the building with this Dust Collector during cold weather, but instead is re-circulated after being thoroughly cleaned. A special attachment package is available, as illustrated below, to hook up the Dust Collector to the Grinder. See page 12 for Dust Collector desired.

No. 23-802—Tool Grinder Attachment Package complete as illustrated to hook up Dust Collector to Grinder, 8 lbs.

No. 33-805—Attachment Package for use with Tool Grinder.

(For Prices See Attached Price List)

**DELTAPOWER TOOL DIVISION**

ROCKWELL MANUFACTURING COMPANY
SAFETY PLUS! Tool Grinders “That Cannot Forget Their Goggles”

Finest — Most Accurate — Safest Grinders made — Regardless of Price

WHEELS: Balanced to 1/10 inch ounce 60N and 46M Aluminum Oxide Wheels, 1” face by 7” diameter, ¾” hole. Absolutely true and vibrationless to permit accurate tool grinding.

TOOL RESTS: Fully machined—not rough castings. Are adjustable vertically and horizontally—designed so that full advantage can be taken of both sides of wheels. Easily detached.

WHEEL GUARDS: Heavy cast iron with steel side plates. Designed to meet the strict regulations of the Wisconsin Industrial Commission. Only actual grinding section of wheel is exposed. Chute discharges dust to rear. Spark guard adjustable to diameter of wheel.

SAFETY SHIELDS: Patented Twin-Lite standard on all models. Double thickness shatter-proof glass. Included with each shield are two lenses which float both sides and face of wheels independent of shop lighting. No glare in operator’s eyes.

BEARINGS: Precision double-seal ball bearings. No oiling required for entire life of bearing. No trouble due to entrance of abrasive dust.

TWIN-LITE® SAFETY SHIELDS

Photo at right shows clearly how the Twin-Lite Safety Shields “floods” the wheel and working surface with light from both sides for safer, more efficient work. This patented lighting system is standard on all models.

BENCH TYPE MOTOR DRIVEN GRINDERS

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>23-104</td>
<td>115 V. 60 Cy. Sgl. Ph.</td>
<td>1775</td>
<td>Toggle</td>
<td>95</td>
</tr>
<tr>
<td>23-105</td>
<td>115 V. 60 Cy. Sgl. Ph.</td>
<td>3450</td>
<td>Toggle</td>
<td>95</td>
</tr>
<tr>
<td>23-109</td>
<td>115 V. 30 Cy. Sgl. Ph.</td>
<td>2850</td>
<td>Toggle</td>
<td>95</td>
</tr>
<tr>
<td>23-111</td>
<td>230 V. 60 Cy. Sgl. Ph.</td>
<td>3450</td>
<td>Toggle</td>
<td>95</td>
</tr>
<tr>
<td>23-112</td>
<td>230 V. 50 Cy. Sgl. Ph.</td>
<td>3450</td>
<td>Toggle</td>
<td>95</td>
</tr>
<tr>
<td>23-115</td>
<td>220 V. 50/60 Cy. 3 Ph.</td>
<td>2850/3450</td>
<td>Toggle</td>
<td>95</td>
</tr>
<tr>
<td>23-118</td>
<td>440 V. 50/60 Cy. 3 Ph.</td>
<td>2850/3450</td>
<td>None</td>
<td>95</td>
</tr>
<tr>
<td>23-120</td>
<td>115 V. D. C.</td>
<td>3450</td>
<td>Toggle</td>
<td>95</td>
</tr>
<tr>
<td>23-121</td>
<td>230 V. D. C.</td>
<td>3450</td>
<td>Toggle</td>
<td>95</td>
</tr>
</tbody>
</table>

PEDESTAL TYPE MOTOR DRIVEN GRINDERS

<table>
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<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>23-104</td>
<td>115 V. 60 Cy. Sgl. Ph.</td>
<td>1775</td>
<td>Toggle</td>
<td>166</td>
</tr>
<tr>
<td>23-105</td>
<td>115 V. 60 Cy. Sgl. Ph.</td>
<td>3450</td>
<td>Toggle</td>
<td>166</td>
</tr>
<tr>
<td>23-109</td>
<td>115 V. 30 Cy. Sgl. Ph.</td>
<td>2850</td>
<td>Toggle</td>
<td>166</td>
</tr>
<tr>
<td>23-111</td>
<td>230 V. 60 Cy. Sgl. Ph.</td>
<td>3450</td>
<td>Toggle</td>
<td>166</td>
</tr>
<tr>
<td>23-112</td>
<td>230 V. 50 Cy. Sgl. Ph.</td>
<td>3450</td>
<td>Toggle</td>
<td>166</td>
</tr>
<tr>
<td>23-115</td>
<td>220 V. 50/60 Cy. 3 Ph.</td>
<td>2850/3450</td>
<td>Toggle</td>
<td>166</td>
</tr>
<tr>
<td>23-118</td>
<td>440 V. 50/60 Cy. 3 Ph.</td>
<td>2850/3450</td>
<td>Relay</td>
<td>181</td>
</tr>
<tr>
<td>23-120</td>
<td>115 V. D. C.</td>
<td>3450</td>
<td>Toggle</td>
<td>166</td>
</tr>
<tr>
<td>23-121</td>
<td>230 V. D. C.</td>
<td>3450</td>
<td>Toggle</td>
<td>166</td>
</tr>
</tbody>
</table>

1725 R.P.M. Grinders available on special order, supplied at same price as corresponding 3450 R.P.M. Models.

* Separate Toggle Switch for Twin Lites is furnished.

MOTOR DRIVEN BUFFING MACHINES


2410 R.P.M. — 6000 Feet per Minute Using 7" Wheel
2850 R.P.M. — 5221 Feet per Minute Using 7" Wheel

(Safety Plus! To rest the strength and guarding of these grinders, a number of wheels were deliberately smashed with a rattle bullet while running at speeds from 3400 to 8000 r.p.m. with guard on. Photos shows wheel that was smashed at the highest speed—and it can plainly be seen what happened to the guard—notthing! That’s safety plus! Why take chances with inferior grinders?)

DELTA POWER TOOL DIVISION

ROCKWELL MANUFACTURING COMPANY
Motor Driven Dust Collector Safeguards Health . . . Protects Machinery

Ideal for grinding, sanding, polishing, buffing, and other operations where dust must be efficiently collected to protect workers' health and keep harmful dust away from expensive machinery.

The Delta Milwaukee Dust Collector is a self-contained, portable unit which has many applications in both large and small shops. Its low cost and compact size make it particularly useful for small shops. It protects workers' health and keeps harmful dust away from machinery. It collects both fine and coarse dust and particles. It is universal in application with no specific shop models. It can be attached to all types of abrasive units. In addition to its direct application to Delta machine tools it can also be used with many other units. Fittings are available for this.

A powerful fan sucks both fine and heavy dust and small particles through a perfected air filter. The larger particles fall into a pan at the bottom and are easily removed.

The standard filter, furnished with all models, is fireproof, has high filtering qualities for metal dust, and is easily removed for cleaning. It need not be thrown away; when properly cleaned and oiled it will last indefinitely, reducing operating costs.

Dust Collectors

49-524-1/2 H.P. 115/200 V., 50 cy. 2850 rpm, 120 lbs.
49-529—Extra Standard Filter, 8 lbs.
49-531—Filter Pad Holder with two expanded
49-332—Expanded Filter Pad in carton.
ATTACHMENT PACKAGES
No. 20-837—Cut-Off Machine Attachment, 13 lbs.
No. 23-802—Tool Grinder Attachment, 8 lbs.
No. 24-819—Toolmaker Grindeer Attach., 13 lbs.
No. 21-803—Disk Abrasive Finishing Machine
Attachment, 12 lbs.
No. 31-856—Belt Abrasive Finishing Machine
Attachment, 9 lbs.
No. 31-869—Belt Grinding, Polishing and De
Attachment, 18 lbs.

AVAILABLE CONNECTION FITTINGS
No. 49-523—Flexible Rubber Hose, 2 1/4" I.D.x20' long, 2 lbs.
No. 49-524—Flexible Rubber Hose, 2 1/4" I.D.x20' long, 2 lbs.
No. 49-535—Flexible Rubber Hose, 3 1/2" I.D.x48' long, 5 lbs.
No. 49-538—Cast Iron Flanges with Screw and Nut, 2 1/4" hose, 2 1/2 lbs.
No. 49-539—Cast Iron Flanges with Screw and Nut, 3" hose, 2 1/2 lbs.
No. 49-540—Hose Clamp. Adjust. to hose, 1/2 lb.

Cabinet of pressed steel strong and husky . . . a large door at back provides quick access to filter, door at top for inspection of motor. Fan is high efficiency squirrel-cage type, moves 350 cubic feet of air per minute, develops static suction of 4 inches water lilt. A 1/2 H.P. lubricated-for-life ball bearing motor is used; motor is in separate dust-proof compartment away from harmful dust. Fireproof filter is readily removed for cleaning. Overall dimensions: Height 28"; depth 21"; width 24".

PORTABLE ELECTRIC BUTT WELDER FOR WOOD AND METAL CUTTING BAND SAW BLADES

Here is an electric welding unit for butt welding either wood or metal cutting band saw blades.

Anytime with a few simple instructions can make a clean, perfect weld. The saw clamps are of an entirely new design. They grip the saw blade firmly and give positive and accurate alignment of the blade so that full electrical contact is obtained for a good weld. Only one position of the blade is clamped. By turning the Tension Indicator handle to the “Weid” position and then turning on the electrical switch, the weld is automatically made. It can then be properly annealed—the heat being accurately controlled by means of a convenient trigger switch. The built-in ratchet grinding wheel allows the operator to remove all welding flash so that the blade makes a clean, smooth cut.

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

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(For Prices See Attached Price List)

METAL CUTTING BAND SAW BLADES

These operations are simple and direct. There is no "gues-work"—even the most inexperienced operator can do a perfect job.

Being entirely portable, the Butt Welder can be used for several machines; thus it will take care of an entire battery of hand saws.

Dimensions—Unit is 12" high, 8" wide and 8 1/2" deep.

On the steel stand it is 14" high. Available for 115 or 230 V., single-phase service only. Snap acting switch.

Grinder built-in with ball-bearing motor. One Rakeelite 48-grit grinding wheel furnished.
No. 28-908—Butt Welder as illustrated for 3/8" to 3/4" blades, with grinding wheel. For 230 V., 30 or 60 cycles, A.C., single-phase service, 121 lbs.
No. 28-910—Extra grinding wheel for Butt Welder; 40 grit, 2 1/4" x 3/4" with 1/4" hole, 4 lbs.

(For Prices See Attached Price List)
14-inch Metal Cutting Band Saw Is Ideal for Cutting Wide Range of Materials

This Delta-Milwaukee 14" Band Saw is used for cutting everything from carbon tool steel to asbestos with hundreds of other applications. It has four metal cutting speeds and one wood-cutting speed which makes it ideal for the pattern shop.

**BEARINGS:** Upper and lower wheels are carried on sealed, lubricated-for-life ball bearings. The use of these bearings insures trouble-free performance for the entire life of the bearings.

**GEAR UNIT:** Gear unit self-contained. Spiral drive pinion and intermediate gear, tine drive spur gear and pinion. Back gear engaged or disengaged by half-turn of lever. A flip of a lever changes it from a slow-speed for metal sawing to high-speed for wood sawing. Separate belts must be used for metal and wood operation. Gear drive is simple, foolproof and substantial, and with its helical drive gears and self-sealed ball bearings, is engineered for long, trouble-free service.

**TABLE:** Massive table, 14" x 14", swinging smoothly on double trunnions makes very rigid table mounting. Blade may be removed without disturbing rip-gage guide bars. Table tilts 45 degrees to right and 10 degrees to left with positive stop at horizontal position. 3/4" x 3/4" groove for miter gage.

**GUIDES:** Finest type of guide ever offered. Each adjustment independent of others and each made with micrometer accuracy. Guide pins can be set to blade teeth without disturbing the setting of the blade support, and blade support can be set without altering adjustment of guide pins. High-grade reversible double-sealed ball bearing blade supports. Lower guide of same construction as upper one, with added safety feature that all controls are brought out to front of table. Guide comes within 3/4" of table top.

**WHEELS:** Aluminum wheels are carefully balanced and true-running. Are rimmed for proper mounting of tire.

Upper wheel completely enclosed, having rear guard as well as removable front guard complying with school and industrial safety requirements. Lower wheel completely guarded front and rear.

**SPECSIFICATIONS**

CAPACITY: Blade to frame. 13 3/4" Under guide 9 3/4" Under guide (with #849 Height Attachment) 12 3/4" SPEEDS: With 1725 RPM motor 125, 175, 350, 340 FPM With 1140 RPM motor 80, 114, 140, 220 FPM For woodworking (1725 RPM motor) 2200 FPM DIMENSIONS: Overall height (on stand) 65 1/2" Width 18 1/8" Front to back 24 3/4" Table size 14" x 14" Table height from floor 48 3/4" Table tilted to right 45° Table tilted to left 10° Blade length 93 1/2"

**CATALOG LISTING**

No. 28-307 Complete 14" Metal Cutting Band Saw with No. 50-891 Steel Stand, No. 986 Belt Guard, Wheel Guards, No. 5800 Arbor Pulley for wood, No. 720 4-step arbor pulley for metal and one No. 1092 metal cutting blade. No. 387 V-belt for metal driving. No. 80-141 4-step variable pulley (specify breed). With out motor, switch or lamp attachment, 250 lbs.

No. 880-14" Metal Cutting Band Saw with wheel guards, No. 5800 Arbor Pulley for wood, No. 720 4-step arbor pulley for metal and one No. 1062 metal cutting blade, No. 720 motor, switch or lamp attachment, 172 lbs.


No. 28-810—Sandling Attachment consisting of flat and curved plates with guides and mounting bracket. 1 lb.

No. 28-836—Five Garter Sanding Belts, 60 Grit. Fine, 1/2" wide, 81" long. 1 lb.

No. 28-837—Five Garter Sanding Belts, 40 Grit. Medium, 1/2" wide, 81" long. 1 lb.

No. 28-843—Rip Gage with 16" Guide Bars. 9 lbs.


No. 49-141—V-belt. Out. Cir. 60". (Wood drive). 1 lb.

No. 50-891—Old No. 891—Steel stand, top 8" x 8" x 16", height 24", 50 lbs.

**SCREW FEED ATTACHMENT FOR BAND SAW**

An added convenience for the tool room is the Screw Feed Attachment. The toothed segment clamps to the guide bar. May be inverted for cutting long bars or removed for cutting rounds and ovals. Adjustable so that proper feed pressure can be applied at all times.

No. 28-852—Complete Screw Feed Attachment, 7 lbs.

(for Prices See Attached Price List)
Greater Rigidity, More Convenience, With This 14-inch Wood Cutting Band Saw

**BEARINGS:** Upper and Lower wheels and drive shaft are carried on sealed-for-life ball bearings which insure trouble-free performance.

**TABLE:** Massive 14"x14" table with a 3/4" miter gage groove—lifts 45° right and 10° left with a positive stop at level position. Double trunnions give table extra rigidity for large, heavy work.

**GUIDES:** Guides and ball bearing blade supports adjust independently with micrometer accuracy. Lower guide comes within 1/4" of table top. All lower guide controls at front for added safety.

**WHEELS:** Aluminum wheels are carefully balanced and true running—are rimmed for proper mounting of tire.

**GUARDS:** Upper and lower wheels completely guarded. Heavy wood guard covers saw blade at rear—sliding guard covers all but working surface of saw blade in front.

**CATALOG LISTING**

No. 28-207 Complete 14" Wood Cutting Band Saw with No. 50-891 Steel Stand, No. 883 Belt Guard, Wheel Guards, No. 5000 Arbor Pulley, one No. 5014 Wood Cutting Blade, No. 1011 V-belt, and one No. 5276 motor pulley (specify bore). Without motor or switch, 250 lbs.

No. 850—Auto-set Miter Gage with individually adjustable stops 4°x4°, bar, 17° long, full 1/8" dia. stop rods, 2 clamps, 15 lbs.

No. 882—Lamp Attachment, 1 1/2 lbs.

No. 883—Belt Guard, 12 lbs.

No. 899—14" Wood Cutting Band Saw with Wheel Guards, No. 5800 Arbor Pulley, and one No. 1034 Wood Cutting Blade. Without motor or switch, 147 lbs.

No. 894—Height Attachment with cast block, dowels, and bolt. Extension Front Blade Guard and Wood Back Blade Guard. 14 lbs.

No. 884—Switch Rod for use with No. 28-207.

No. 5275—41/2" Motor Pulley, Specify bore. 1/2 lb.

No. 28-810—Sandng Attachment consisting of flat and curved plates with guides and mounting bracket. 1 lb.

No. 28-836—Five Garnet Sanding Belts, No. 80 Grit, fine, 1/8" wide, 91" long. 1 lb.

No. 28-837—Five Garnet Sanding Belts No. 40 Grit, Medium, 1/8" wide, 91" long. 1 lb.

No. 28-843—Rip Gage, 18" Guide Bars. 8 lbs.

No. 28-845—Rip Gage, 32" Guide Bars. 14 lbs.

No. 49-141—V-Belt Out. Cir. 60". 1 lb.

No. 50-891 (Old No. 891)—Steel Stand, top 9" x 18", height 24". 30 lbs.


**SPECIFICATIONS**

- **Capacity:** Blade to Frame: 13 1/2". Under Guide: 6 1/2". Under Guide (with height attachment): 13 1/2".
- **Speed:** 1725 rpm motor. 2250 FPM.
- **Overall height:** 65 1/2".
- **Width:** 16 1/2".
- **Front to back:** 24 1/2".
- **Table size:** 14"x14".
- **Table tilt from floor:** 45°.
- **Table tilt to right:** 45°.
- **Table tilt to left:** 10°.
- **Blade length:** 93 1/2".

**STANDARD BAND SAW BLADES**

<table>
<thead>
<tr>
<th>Width</th>
<th>Teeth Per Inch</th>
<th>93 1/2&quot; Long</th>
<th>105&quot; Long</th>
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</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>7 No. 1032</td>
<td>No. 1045</td>
<td></td>
</tr>
<tr>
<td>3/16&quot;</td>
<td>7 No. 1033</td>
<td>No. 1046</td>
<td></td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>7 No. 1034</td>
<td>No. 1047</td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
<td>5/8&quot;</td>
<td>6 No. 1038</td>
<td>No. 1050</td>
<td></td>
</tr>
<tr>
<td>12&quot;</td>
<td>6 No. 1040</td>
<td>No. 1052</td>
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</table>

**SKIP TOOTH BAND SAW BLADES**

<table>
<thead>
<tr>
<th>Width</th>
<th>Teeth per Inch</th>
<th>93 1/2&quot; Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>6 No. 28-884</td>
<td></td>
</tr>
<tr>
<td>3/16&quot;</td>
<td>4 No. 28-895</td>
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<tr>
<td>5/32&quot;</td>
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</tr>
<tr>
<td>3/16&quot;</td>
<td>3 No. 28-887</td>
<td></td>
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</tbody>
</table>

*Used with No. 584 Height Attachment.

**NOTES:**

- These blades can be used with Metal Cutting Band Saw Listed on page 11.

**DELTA POWER TOOL DIVISION**

ROCKWELL MANUFACTURING COMPANY

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For added convenience and increased efficiency, upper wheel has blade tension adjustment. Quick index shows correct tension for various widths of blades.

Two widely spaced trunnions 9 inches apart give maximum table rigidity, insures better clamping and greater accuracy. Table tilts 45° right and 10° left.

Micrometer adjustments of blade guides insure proper blade support for accurate work yet allow blade to run free. Guides and blade supports adjust independently.

Ripping on the 14" Band Saw is easily done with this Rip Gage. Fence has "Micro-Set adjustment. Comes complete with screws for fastening.

This simple attachment increases the capacity of your 14" Wood Cutting Band Saw from 6 1/4" under the guide to 12 1/2". Can be added at any time—105" blades are used.

(For Prices See Attached Price List)
There's A Place In Every Shop For Delta Equipment

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY
The Abrasive Disk Finishing Machine For Wood or Metal

A HIGH GRADE UNIT FOR FINISHING, MITERING, SQUARING AND GRINDING

Designed to meet every requirement for accurate finishing, this abrasive disk finishing machine is ideal for the cabinet shop, sign shop, furniture manufacturer, pattern maker, or any place where an accurate, fast job must be done. Being portable, it can be moved to any place in the shop or on the production line.

Used with any standard Delta-Milwaukee ball bearing motor in 8½" frame, the disk fits directly to the end of the motor shaft. Disk is specially machined to insure proper adhesion of abrasive disks, and by using disk adhesive for applying disks, there is no need for messy gluing, no removal of disk from machine, no waiting overnight for new abrasive disks to dry. Abrasive disks can be renewed every few minutes if necessary.

CATALOG LISTING

No. 31-105 Complete Direct Motor Drive Abrasive Disk Finishing Machine with No. 50 432 Steel Stand, Tilting Table and one No. 1427 Garnet Disk. Without motor or switch 123 lbs.

No. 864 Auto-set Miter Gage. 4 lbs.

No. 1426 Direct Motor Drive Abrasive Disk Finishing Machine with tilt table. 53 lbs.

No. 1427 12" Garnet Disk for wood 50 Grit Medium. 1½ doz. 1¾ lbs.

No. 1428 12" Aluminum Oxide disk for metal. No. 60 Grit Medium. 1½ doz. 1½ lbs.

No. 1430 Disk Assembly with Flange and Set Screws. 10 lbs.

No. 49-503 Disk Adhesive. 1 lb.

No. 50-432 Old No. 1432 Steel Stand, 21½" high with 12½" x 10½" Top. 49 lbs.

MOTORS RECOMMENDED: Heavy duty—84, 210, 86-520. Medium duty—82-310, 86-720. Light duty—82-710, 86-520.

For 3 phase motors use No. 1320 Manual starter, No. 1325—-420 V. Magnetic starter or No. 1321—-440 V. Magnetic starter and No. 1322 Mounting parts. See page 32 for Motors and Switches.

DUST COLLECTOR ATTACHED TO ABRASIVE DISK FINISHING MACHINE

The Dust Collector is especially useful with the Disk Finisher. The powerful suction of the fan pulls the dust and heavy particles into the filter cabinet keeping the shop clean. A special attachment package is available as shown below. See page 10 for dust collector details.

No. 31-603 Abrasive Disk Finishing Machine Attachment Package complete as illustrated to connect Dust Collector to Finishing Machine. 12 lbs.

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY
Abrasive Belt Finishing Machine Has Many Industrial Uses

No. 31-505 Motor and Switch Extra

HERE is a 6" belt-type abrasive finishing machine that is heavy and husky enough to do any of the dozens of sanding, polishing and finishing operations to be found around the average shop—and yet is portable enough to be used just where it is wanted. With sealed, lubricated-for-life ball bearings. Completely enclosed and guarded in accordance with safety requirements. Exceptionally heavy main drive shaft, carrying large diameter drum (5½"). Large driving pulley to transmit power. No rubber covering required on drums. Adjustable deflector on drum hood catches practically all dust. Hood is provided with suction spout. Machine operates vertically as well as horizontally. Adjustable fence for edge sanding and adjustable back stop for flat sanding are available for use in horizontal position.

SPECIFICATIONS

Table size: 73½" x 143½"
Tilting Table (tilts 45° from belt, 20° toward belt)
Miter gauge groove: 15° x 90°
Clot backed belt: 6" wide x 48" long
Belt capacity above table: 6" wide x 8½" high

OVERALL DIMENSIONS: 32" long, 18" wide, 36" high

Abrasve Belt Finisher With Dust Collector

See page 10 for Dust Collector Desired

No. 31-505 Complete Abrasive Belt Finishing Machine with No. 1414 Aluminum Oxide Belt; No. 1401 Tilting Table; No. 50-405 Steel Stand; No. 1411 Belt Guard; No. 580 V-belt and No. 5500 Motor Pulley (specify bore). Without Fence, Backstop, Motor or Switch. 124 lbs.

No. 1400—Abrasive Belt Finishing Machine only, with No. 1414 Aluminum Oxide Belt, without Fence, Backstop, Table, Stand, Motor, Belt or Motor Pulley. 86 lbs.

No. 560—V-Belt for No. 31-505. Out. Ctr. 58½/16", 1 lb.
No. 595—V-Belt for No. 31-506. Out. Ctr. 61-13/16", 1 lb.
No. 864—Auto-set Miter Gage, 4 lbs.
No. 1334—Switch Rod for use with No. 31-505, 1½ lbs.
No. 1401—Tilting Table, 15 lbs.
No. 1403—Backstop Complete with Bracket, 4 lbs.
No. 1410—Wood Fence (3½" x 17½") with brackets, 5 lbs.

No. 1411—Belt Guard with screws, 10 lbs.
No. 1412—6" Garnet Belt for Wood, 80 grit. Fine, 1 lb.
No. 1413—6" Garnet Belt for Wood, 40 grit. Coarse, 1 lb.
No. 1414—6" Al. Oxide Belt for Metal, 100 grit, Fine, 1 lb.
No. 1415—6" Al. Oxide Belt for Metal, 50 grit, Coarse, 1 lb.
No. 5500—5" Motor Pulley, specify bore, 1½ lbs.

No. 31-856—Attachment Package for connecting Dust Collector to Abrasive Belt Finishing Machine, 7 lbs.

No. 50-406—(Old No. 1406)—Steel Stand, Top 8" x 16". Height 29½". 30 lbs.

Motors Recommended. Heavy Duty—84-910, 86-920, 87-120; Medium Duty—82-910, 95-720; Light Duty—82-710, 06-220.

For complete listing of Motors and Switches see page 32.

(For Prices See Attached Price List)

D E L T A  P O W E R  T O O L  D I V I S I O N
ROCKWELL MANUFACTURING COMPANY

Here's a close-up of the heavy runnion that carries the tilting table, showing the swinging stop link and adjustable stop screws. A tilting scale and adjustable pointer are also provided.

View showing No. 1403 adjustable back stop and its bracket. This is available for use in sanding flat work, to prevent the work from being carried along with the belt.

Table tilts easily and quickly 20° toward belt. 45° from belt. Standard No. 864 Miter Gage can be used. Handy locking handle locks table securely in position.

Convenient Wood Fence No. 1410 can be used to support large pieces. Adjustable deflector at end of hood catches dust and carries it off through dust spout. Can be attached to shop dust collecting system.
You Get Accuracy—Long Life—Convenience With A Delta 10" Unisaw®

Cuts to Center of 50" Panel Rips Stock 3/8 Inch Thick

The Delta-Milwaukee 10" Tilting Arbor Circular Saw is completely self-contained, motor and driving mechanism being enclosed in a strong steel cabinet type base. The saw table is 20" x 27" inches (with wings 27" x 36" inches), it cuts to the center of a 50 inch panel and 3/8 inch thick.

Saw blade tilts 45 degrees to right, operated by a large convenient hand wheel. Blade is raised and lowered by another hand wheel at front of machine. Dado heads, moulding cutters and many other attachments may be used. Carriage swings on trunnions that are large, heavy and strong with working surfaces completely machined.

Rip-fence bar extends over the rear edge of the table—many inches past the rear of the saw blade. Fence locks both front and rear, the rear lock being operated from the front of the gage. Fence can be used on both sides of the blade. Guide bars allow the fence to be moved 25 inches to the right of the saw blade and 15 inches to the left of the saw blade. Front Guide Bar graduated for quick setting of fence.

The saw-arbor bracket is a very heavy casting, with accurately machined teeth to fit the raising and lowering worm, and with accurate adjustable stop to limit up and down travel. The casting is mounted on a very heavy keyed shaft where it can be adjusted and locked to bring the table in exact alignment with the saw arbor flange.

The arbor is carried in two sealed, Lubricated ed-fil-drop ball bearings, mounted in diamond bored bearing seats.

SUPER-SAFE GUARD PROVIDES PROTECTION

The No. 1471 “Super-Safe” splitter-mounted guard is anchored directly to the arbor bracket so that when the saw is tilted the guard follows the saw thus complete protection is always assured no matter at what angle the saw is set. Provides maximum protection because it combines basket, splitter and anti-kickback fingers in one unit. Easily removed for Dadoing and Moulding cutters work.

No. 1471—"Super-Safe" splitter mounted guard. 11 lbs.

MOTOR COVER

This cast iron cover completely encloses the opening in which the motor swings, and provides an additional safeguard for the machine. The cover is readily attached to the cabinet.

No. 1454—Motor cover with screws. 25 lbs.

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

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Famous “3-Belt” Drive
Uses all motor power—eliminates vibration and produces smooth operation—three belts pull side by side.

Features That Are Yours With The UNISAW

These design and construction features make this 10 inch Tilting Arbor Circular saw the best unit in its field today.

- True-Running Arbor of forged alloy steel.
- Sealed, Lubricated-for-life Ball Bearings.
- Highly efficient 3 belt "Terzoops" drive.
- Massive swaying trunnions.
- Perfect alignment.
- Double-Face, Double-Lock Rip Fence.
- Perforated Raising, Lowering and Tilting Mechanism.
- Bin Capacity—cuts to center of 50" panel—rips 3/8" stock.
- Patented, precision Auto-Set Miter Gage.
- Big, Perfectly True Table Surface, 27"x36".
- "Point of use" Controls and Locks for Convenient, Safe operation.
- Sawdust Receptacle located in base.
- Patented tubular ripping extension.
- Graduated Front Guide Bar.
- Accurate calibrations on all settings.
- Strong, Rigid cabinet type base.
- No useless weight—only 334 lbs.
- Perfect Safety—completely guarded—motor switch can be locked.
- Powerful, Fully Enclosed Motor.
- Ample space in front of blade—a full 12".
- Beautiful streamlined appearance.

SPECIFICATIONS

Diameter of arbor
5/8" Diameter of saw blade
12" Maximum depth of cut
3/8" Cuts to center of panel (max. width)
50" Distance front of table to center of saw blade
10" Table size
20" x 27" Table size with wings
36" x 27" Fence moves to right of blade
55" To left of blade
15" Tilt of blade to right
45° Miter Gage groove in table
9 1/2" x 34 3/4" Table Height
36" Overall dimensions with Wings and Guide Bars
30 1/4" x 45 1/2" Rip Fence locks at both front and back.

No. 34-405 Motor and Switch Extra

CATALOG LISTING

No. 34-405 Complete 10" Tilting Arbor Unisaw for 60 cycle service with No. 1455 pair of side Extension Wings, Micro-Set Rip Fence, No. 1015 Combination Blade, No. 864 Miter Gage, Front Graduated Guide Bar, No. 1449 Motor Pulley, three No. 291 V-belts and No. 1471 Super-Safe Guard, Without Motor or Switch. 334 lbs.


No. 281—V-Belt for 25 and 50 cycle motors (3 req.) 3/4 lb.
No. 291—V-Belt for 60 cycle motors (3 req.) 3/4 lb.

No. 1450—10" Tilting Arbor Unisaw for 60 cycle service with Micro-Set Rip Fence, No. 1015 Combination Blade, No. 864 Miter Gage, Front Graduated Guide Bar, No. 1449 Motor Pulley and three No. 291 V-belts. Without Guard, Splitter, Extension Wings, Motor or Switch. 304 lbs.

No. 1451—Standard Table Insert, 1 3/8 lb.
No. 1454—Motor Cover, with screws. 25 lbs.
No. 1455—Side Extension Wings to make table 36" x 27" per pair. 49 lbs.
No. 1471—Super-Safe Splinter mounted Guard. 11 lbs.

Meters Recommended: 85-010, 87-010, 87-210. For complete motor and switches see page 32. (For Prices See Attached Price List)

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www.OzarkToolManuals.com
Unisaw Features Give You More For Your Money

The Unisaw arbor is an accurately ground shaft with a large flange. Even the arbor thread is specially designed being a modified Acme thread having a large flat surface so that it will accurately center the saw blade, cuttermachined from fine grained cast iron.

Mounted carefully on the heavy quenched plates of the cabinet, in such a way as to provide complete adjustment, the trunnions, that carry the saw carriage are of exceptionally heavy construction, and are completely machined from fine grained cast iron.

Rip fence extends from the front clear over rear edge of table. Quick-acting cam and lever lock at least three front bolts (front and rear). Rip fence bar of welded construction and equipped with micrometer adjustment. Used on both sides of blade.

Large saw table and extensions are scientifically ribbed to prevent warping and springing. Clearance for saw mechanisms is provided without cutting away essential ribbing. This means you get a true, flat saw table on which to produce accurate work.

Controls on this saw make operation fast, safe and easy. Big sturdy handwheels located at convenient height for easy access to operator. No interference between controls...no close quarters...no skinned knuckles. Large knobs in center of wheels lock mechanism securely.

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

You Can Make Many Different Mouldings On Your Circular Saw With These Twenty-Seven Sets of Knives

DOES MARVELOUS WORK — The Moulding Cutter Set is the only practical tool of its kind. It consists of a strong, well-designed steel head. A set of three interchangeable knives is locked into the head so that it is completely safe in operation. The head may be used on the 34-305, 34-307, 34-405, or 34-407 Circular Saws, and on most other saws provided with a double-face fence and 5/8” arbor.

A perfect moulding may be produced with one pass over the knives, or, if the cut is a deep one, in two or more passes.

There is nothing to get out of order in this tool, and it is extremely safe in operation because only the actual cutting edges of the knives are exposed and even these are covered when the work is being run.

MOULDING CUTTER SETS AND PARTS

No. 34-813—Heavy duty moulding cutter set for all circular saws with a 5/8” arbor. With heavy duty steel cutter head, 4 sets of high speed knives Nos. 35-102, 35-103, 35-221, and 35-222 and wrench. Order proper table insert as listed below. % lbs.

No. 3162—Heavy duty solid steel moulding cutter head only, to fit 5/8” arbor. Without wrench or cutters. 4 lbs.

No. 1152—Wrench. 1/4 lb.

Wood facings may be used on standard saw fence when moulding cutter is used.

EXTRA SETS OF CUTTER KNIVES

See Full Size Drawings to right.

Cutters come in sets of three matched knives. Made of high-speed steel they will cut thousands of feet of moulding before dulling. All of these knives may also be used with shaper cutterhead No. 1543. 1/4 lb. each.

New No. Old No. Description
35-100 35-100 5/16” Cove, 5/16” Quarter Round
35-101 35-101 5/16” Cove, 5/16” Quarter Round
35-102 35-102 5/16” and 5/32” Quarter Round and 3/16” Bead
35-103 35-103 1/4” and 5/32” Quarter Round and 3/16” Bead
35-104 35-104 Straight
35-105 35-105 30” Flute
35-106 35-106 Dovetail Joint
35-107 35-107 Drawer Joint
35-108 35-108 2 Bead (3/16” Bead)
35-109 35-109 3 Flute (3/16” Flute)
35-110 35-110 3 Bead (1/4” Bead)
35-111 35-111 3 Flute (1/4” Flute)
35-112 35-112 3 Bead (1/4” Bead)
35-113 35-113 3 Flute (1/4” Flute)
35-114 35-114 Wedge Tongue
35-115 35-115 Wedge Groove
35-190 35-190 Clover Leaf Screen Moulding (4.32” x 9.16”)
35-191 35-191 1” Flute
35-192 35-192 Thumb Moulding
35-193 35-193 5/16” Cove and 1/4” Flute
35-194 35-194 1/4” Cove
35-195 35-195 Flute Bead, Quarter Round and Ogive Comb
35-196 35-196 Flute Bead, Quarter Round and Ogive Comb
35-197 35-197 Flute Bead, Quarter Round and Ogive Comb
35-198 35-198 Flute Bead, Quarter Round and Ogive Comb
35-199 35-199 Flute Bead, Quarter Round and Ogive Comb
35-200 35-200 Flute Bead, Quarter Round and Ogive Comb
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35-223 35-223 Flute Bead, Quarter Round and Ogive Comb
35-224 35-224 Flute Bead, Quarter Round and Ogive Comb
35-225 35-225 Flute Bead, Quarter Round and Ogive Comb
35-226 35-226 Flute Bead, Quarter Round and Ogive Comb
35-227 35-227 Flute Bead, Quarter Round and Ogive Comb
35-228 35-228 Flute Bead, Quarter Round and Ogive Comb

Note: We cannot supply cutter shapes or sizes other than those listed here.
Accessories For Your Circular Saw

CIRCULAR SAW BLADES

No. 1017—10" Rip Blade with 5/8" Arbor Hole, 2 lbs.
No. 1018—10" Cross Cut Blade with 5/8" Arbor Hole, 2 lbs.

Combination Blade
The Combination Blade is a double-purpose blade, which rips and cross cuts equally well. This is the blade supplied with the Delta 10" Circular Saws. Teeth have proper set for free cutting.
No. 1015—10" Combination Rip and Cross Cut Blade with 5/8" Arbor Hole, 2 lbs.

Hollow Ground Blade
The teeth have no set, and the work comes from the saw ready to put together. Intended for fine work only; it is not suitable for rough cutting. It milters, cross cuts and rips.
No. 1016—10" Hollow Ground Blade with 5/8" Arbor Hole, 2 lbs.

DADO HEAD AND INSERTS

For cutting grooves varying in width from 1/8" to 1/4" and up to 1 1/4" deep, on tilting table saws (11/16" deep on tilting arbor saw) either with or across grain. Made of the finest steel, carefully hardened and tempered. Includes 1/16" inside cutter. Fits all circle saws with a 5/8" arbor.
No. 333—6" Dado Head, consisting of two outer blades, 1/4" thick, two inside cutters 1/8" thick, one inside cutter 1/4" thick, and one inside cutter 1/16" thick. To cut grooves from 1/8" to 1/4". With 5/8" arbor hole. 3 1/2 lbs.
No. 1101—Dado Head Table Insert for 10" Tilting Table Saw, 1 1/2 lbs.
No. 1452—Dado Head Table Insert for 10" Tilting Arbor Saw, 1 1/2 lbs.

MITER GAGE FOR SAW AND OTHER MACHINES

An added convenience for saws and other machines. Swings full as right and left—has individually adjustable index stops—tapered pivot insert; ensures accuracy. Massive heavy body gives full support, will not spring—heavy 3 1/8 inch, plastic gauge bar 17" long—full 3 1/8 dia., stop rods with two clamps.
No. 864—Auto-Set Miter Gage, 4 lbs.
No. 865—Clamp Attachment for Miter Gage with Clamp Bar, two Sliding Clamp Screws and Front and Rear Posts. 2 1/4 lbs.
No. 873—Extra Clamp Screw and Block for Clamp Attachment. 1 lb.

Tenon Makes All Cuts Safe, Square, Parallel

Work is fed to the saw with one hand—far removed from the revolving blade. The tenon will take stock up to 2 1/4" thick, any width within the capacity of the saw, and will cut tenons to full capacity of saw. With the use of No. 1171 spacing collars and two saw blades, 5/4" or 3/4" tenons can be cut at one pass.
No. 1172—Tenon complete with base plate, 31 lbs.
No. 1171—Spacing collar set (one 1/4" and 3/4" collar), 1/2 lb.
No. 1170—Tenon for use with No. 1186 Sliding Jig. Can also be used on shaper. 21 lbs.

(For Prices See Attached Price List)

DELA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

10-inch Tilting Table Saw Assures Fast, Accurate Work

This Husky Arbor Insures Accuracy and Long Life

The arbor of the 10" Tilting Table Saw is accurately machined out of steel to extremely close tolerances. It is carried on widely spaced sealed-for-life ball bearings that require no lubrication. Bearing seats for arbor are "diamond-bored" to assure perfect accuracy. Arbor has 5/8" Acme threads. Flanges grip blade firmly.

RAISING MECHANISM
Table raising and lowering is done by means of a helical gear on a shaft operated by a comfortable, free-handle ball crank. The gear meshes with another running on the ball-bearing raising screw, elevating or lowering the table with ease and speed. The pitch of the screw is chosen to provide a fast movement, while at the same time it is fine enough for close adjustment of depth.

MACHINED WAYS
There are cheaper ways of fitting the table to the base than that employed on this saw, but none of these was thought satisfactory enough for a good machine... so the table is elevated and lowered on machined ways, the front one being gibbed for adjustment if this should ever be necessary.

WORM-GEAR TILTING
The table is positively tilted by means of a worm and sector, the worm operated by means of another comfortable ball crank. Accurate and convenient etched scales are provided for height and tilting adjustments, each provided with an adjustable pointer for accuracy.

QUICK-ACTING INSERTS
Table inserts are fitted in machined openings in the table—not enough cast holes. They are instantly snapped in or out with a touch of the finger—no screws to loosen. And they are provided with adjusting screws so they may be made to lie exactly flush with the table.

REAR RIP-FENCE LOCK
The patented construction not only provides a rigid rip fence, locked to the guide bars at front and rear, but in this saw all the fence controls are at the front—no reaching over the saw blade to loosen or tighten the rear lock. More convenience and safety!

MASSIVE CONSTRUCTION
Notice the scientifically ribbed, heavy table, swinging on massive trunnions. This is a more expensive construction, but is the only one that permits the safety of a very narrow opening around the saw blade, since the table tilts at the point of opening in the table insert.
Large Capacity, Accuracy, Convenience in This 10” Tilting Table Circular Saw

RIPS TO CENTER OF 50” PANEL
CUTS STOCK 3½” THICK

Here Is A Saw That Will Meet Your Most Exacting Requirements

This 10” Tilting Table Circular Saw was built with just one thought in mind—produce a saw that would offer more accuracy, more capacity, more convenience, more built-in value than any similar saw on the market. Its uses and applications are extremely wide, and the thousands of users in production plants, both big and small, are enthusiastic in their praise of its accuracy, rigidity, power and ease of operation.

It’s rigid, husky arbor is of special design to give complete accuracy. Extra large capacity—will rip through a 3½” plank and cross cut to center of 50” panel. The table is 20” x 27” with a full 12” of saw table in front of the blade, at maximum cut 3½” thick, giving extra support where it is wanted for large heavy pieces. And there is ample surface—5½” in back of the blade etc.

The micro-set rip fence extends from the front close over the rear edge of the table. The fence locks both front and back.

Observe the convenient cam and lever lock with its comfortable Bakelite knob. A flip of the finger and the fence is unlocked. A light pressure of the hand and it is re-clamped—and SELF-ALIGNED.

The rear lock too is operated from the front with a handy knurled knob. An added convenience and safety factor.

CATALOG LISTING

No. 34-307—10” Tilting Table Circular Saw with No. 854 Miter Gage, No. 1015 Combination Blade, Micro-Set Rip Fence, Front Graduated Guide Bar, No. 1175 Belt Guard, No. 115 Swing Guard, No. 1155 Splitter Attachment, No. 520 V-Belt and No. 5500 Motor Pulley, 120 Volts, 3000 RPM. For complete motor and switch listing see page 52.

No. 1160—10” Tilting Table Circular Saw with No. 854 Miter Gage, No. 1015 Combination Blade, Micro-Set Rip Fence, and Front Graduated Guide Bar. Without Motor, Switch, Motor Pulley, V-Belt or Guard. 186 lbs.

No. 530—V-Belt, Out. Cir. 55”, ½ lb.
No. 871—Hold down with Clamp, Brackets and Springs. 4 lbs.
No. 1163—Standard Table insert. 1½ lbs.
No. 1165—Swing Guard with Bracket Support Arm, Pivot Bracket, Basket, Collars and Screws. Without Splitter. 19 lbs.
No. 1166—Splitter Attachment consisting of splitter, Anti-Kickback fingers and collars for Support Arm. 5 lbs.
No. 1173—Belt Guard. 11 lbs.
No. 1330—Switch Box for use with No. 94-307.
No. 5500—5” Motor Pulley, Specify 1/2”, 5/8” or 3/4” bore. 1¼ lbs.
No. 50-891—Old No. 891—Steel Stand 24” high. top 8” x 18”. 30 lbs.

Note: For heavy duty service 2 belts are recommended. Order extra one No. 5500 arbor pulley ½” bore, one No. 5500 motor pulley (specify bore), and one No. 550 V-Belt.

MOTORS RECOMMENDED: Heavy Duty 84-910, 60-920; Medium Duty 05-010, 05-750; Light Duty 82-710, 90-520. For complete motor and switch listing see page 52.

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

SPECIFICATIONS

Diameter saw blade. 10”
Maximum thickness of stock 3½”
Rip to center of panel (max. width). 50”
Distance front of table to center of saw blade. 17½”
Table dimensions 20” x 27”
Distance front of table to center of blade. 13½”
Tilt of table to right. 45°
Dimensions of table grooves for mitre gauge. 3/4” x 3/4”
Diameter guide bars. 1-1/8”
Diameter of arbor. 3/4”
Overall dimensions on stand. 30” Width
Height 87½”
Depth 36½”
Removable table insert.
Rip fence locks to front and back guide bars.
Steel arbor carried on sealed, “lubricated-for-life” ball bearings.

SWING GUARD...

This guard No. 1165 really protects the user. Basket pivots with work so that blade remains covered while view is unimpared.

SPLINTER SUITS SAW KERF...

The No. 1166 is the only practical type Splitter. Used with or without the basket. Floats in accommodation itself to the kerf.

“ANTI-KICKBACK” FINGERS ADJUST TO WORK

Prevents work from kicking back against operator. Invaluable when sawing poorly seasoned or warped wood. Kickback fingers take all work from thinnest strips to full capacity of blade.

(For Prices See Attached Price List)
Saw Jointer Unit Ideal For Contractors and Cabinet Makers

Cuts 3¼" Stock—Rips to Center of 50" Panel — Joints 1½" Deep x 6" Wide

No. 37-595 Combination Unit
Motor and Switch Rod Extra

Saw Jointer Combination Saves Space—Money and Time—Speeds up Production

THE ADVANTAGES of the Saw-Jointer Combination have made it a favorite of the contractor, furniture or novelty manufacturer and the cabinet maker whose accurate work must be done at high speed and low cost. In fact, in practically every type of woodworking shop this versatile machine will almost immediately pay for itself and will constantly show a profit.

NO INTERFERENCE . . . There is absolutely no interference between the Circular Saw and Jointer in the Delta combination units. Either machine may be used singly, or both may be used together, by one man or by two, with ease and facility.

SPACE SAVING . . . Both machines are driven from below by the same motor. This not only increases productivity, but also saves shop space.

LOW POWER COST . . . Since both machines are driven from the same motor, not only is the cost of an additional motor saved, but the running cost is generally lower than with two separate motors.

PORTABILITY . . . In spite of their large capacity, the Delta combination units are so compact that they are used as portable units for many outside jobs, as well as being used anywhere in the shop where they will best suit the job. Many contractors load them on a truck and take them right to the job.

MAXIMUM EFFICIENCY . . . The extreme hardiness of being able to rip stock to width and then joint it without moving more than a step must be experienced to be appreciated. Users who own these combination units tell that they can perform 80% of all common woodworking operations on their machines, and at savings of from 25% to 50% in time. Use one of our combination units and you will understand why they are so popular! Hundreds of installers testify to their usability and value.

CASTERS FOR PORTABLE UNITS

Here is an attachment that greatly increases the portability of your Delta machines. With this caster outfit you can instantaneously wheel your machine to any part of the shop you desire, yet it is solid and steady the moment it is set down.

The attachment consists of two clamps, attached to the upper shelf of the Delta steel stand, two pads for the front legs, two casters for the rear legs and two lengths of cadmium-plated pipe with a coupling.

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY
Many Convenient Features Found In These 6-Inch Jointers

An exceptionally heavy, rigid unit, cast of close grained iron and accurately machined to close tolerances. Tables are finish ground after assembly on base. This not only assures a true flat surface but eliminates any chance of misalignment. Front and rear tables are individually controlled by readily accessible control handles and gibes are provided on the dovetailed ways to take up wear.

The fence, also ground, is rigid and a single control handle regulates tilting of the fence and movement across the table. Convenient scales on the table and fence permit accurate settings. Front knife guard protects. Stands have built-in dust chute.

Compare this 6" Jointer with others on the market and you will see why this machine has become the standard for shops of all kinds from novelty factories to the experimental departments of large furniture manufacturers.

(For Prices See Attached Price List)

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dimensions on steel stand:</th>
<th>Height</th>
<th>Width</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>91 1/2&quot;</td>
<td>14&quot;</td>
<td>37 1/2&quot;</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions on cast iron stand:</th>
<th>Height</th>
<th>Width</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>91 1/2&quot;</td>
<td>14&quot;</td>
<td>37 1/2&quot;</td>
</tr>
</tbody>
</table>

Capacity:

- Maximum width of boards machine will surface...6".
- Maximum depth rabbot cut...3/4".
- Fence is 4" high x 27 1/2" long.
- Fence tilts right and left...45°.
- Front Table...14" long.
- Rear Table...16" long.
- Over-all Table length...32".
- Adjustable stops at...45°, 90° and 135°.
- Number of knives in cutter head...3.
- Unit has sealed-for-life ball bearings which require no lubrication.

No. 37-205 Jointer

<table>
<thead>
<tr>
<th>Steel Stand</th>
<th>Height</th>
<th>Width</th>
<th>Length</th>
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<tbody>
<tr>
<td>No. 667</td>
<td>14&quot;</td>
<td>37&quot;</td>
<td>40&quot;</td>
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</tbody>
</table>

No. 37-207 Jointer

<table>
<thead>
<tr>
<th>Steel Stand</th>
<th>Height</th>
<th>Width</th>
<th>Length</th>
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<tbody>
<tr>
<td>No. 658</td>
<td>14&quot;</td>
<td>37&quot;</td>
<td>40&quot;</td>
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CATALOG LISTING


No. 37-207 Jointer with No. 568 Steel Stand, No. 659 set of 3 high-speed steel knives, 2-way tilting fence with "dual control." No. 527 Arbor Pulley, front safety knife guard, No. 661 Belt Guard, and No. 560 V-belt and No. 570 Motor Pulley (specify bore). Without motor or switch, 190 lbs.

No. 564 6" Jointer with No. 659 set of 3 high-speed steel knives, 2-way tilting fence with "dual control." No. 577 Arbor Pulley and front safety knife guard. Without motor or switch, 134 lbs.

No. 659 Set of 3 high-speed knives. 3/4 lb.

No. 661 Belt guard for use with steel stand. 9 lbs.

No. 662 Rear knife guard. 2 lbs.

No. 667 Cast iron stand, 26" high, with motor plate and belt guard. 123 lbs.

No. 1333 Switch Rod for use with No. 37-207. 1 1/2 lbs.

No. 1522 Double and 5/16" open wrench for cutterhead knife lock bar screws. 1/4 lb.

No. 5700 Motor pulley, specify 1/2", 3/8" or 3/4" bore. 2 lbs.

No. 50-656 (Old No. 656), Steel stand, top 8" x 15 1/2"; 28 1/4" high. 33 lbs.

Motors Recommended: Heavy Duty 62-610, 66-300; Medium and Light Duty 62-110. For complete listing of motors and switches see page 32.

Convenient ball-crank handles provide quick, easy raising and lowering of tables. Plenty of room means no skinned knuckles. Scale at the side shows depth of cut up to 1 1/2".

Dual control handle aids out engages bracket lock nut allowing fence to be moved across table to any position. Does not disturb previous angle settings. When tightened it clamps fence firmly and accurately in place.

Slid in, the dual control handle houses tilting lock nut. Fence can be tilted to any angle desired. Tightening the nut locks fence securely. When not engaged handle swings free out of way.

Touch of finger moves stop locks in or out of position. Individually adjustable set screws permit fence to be accurately set at 45°, 90° or 135°. Large scale provides for accurate settings.

Stop screws are individually adjustable for absolute accuracy. Once the stops are set, the fence may always be returned to its original setting.
The Smoothest Running Scroll Saw You Can Buy

Why These Modern High-Speed Scroll Saws Give You Better Performance...
Longer Life... Faster Output!

Experienced scroll saw users know that there are several features essential in a good scroll saw. It must be capable of using all types of blades—it must operate with minimum blade breakage—a minimum of vibration at all speeds and must have a selection of speeds for various types of work.

The patented chucks in Delta scroll saws are completely universal, taking jeweler's blades, saber blades, sanding drums and round shank files up to 3/4" in shank—without any adapters. Operation is smooth and free—the blade is properly guided reducing blade breakage.

The heavy cast table not only tilts to the right and left but, by rotating the table bracket 90 degrees and the chucks so that the blade cuts sideways, the table tilts to front so stock of any length can be cut.

Timber-hausing crankshaft... shaft-driven blower pump which makes air available even for saber blades... universal tilting table, tilting for side-wise cutting as well as for straight cuts... the finest completely universal blade guide made... high-speed blade support... adjustable blade tension... splash-lubricated drive... tilting spring holds-down... these are only a few of the things that make the Delta-Milwaukee 24" scroll saws the finest tools of their type ever offered.

Available in Two Models

Made in the Variable-Speed model which gives you any speed, and in a Standard Four-Speed model.

Any Speed From 650 to 1700 Cutting Strokes per Minute With the Variable Speed Model.

A Thousand Speeds at the Touch of Your Finger that's what you get with this perfected control of speed. Two or four speed saws have limited choice of speeds—too slow for some materials—too fast for others. With the Variable-Speed Scroll Saw, you can select ANY speed from 650 to 1700 C.S.M.*, controlling the speed within 1 or 2 C.S.M.* if necessary. High speed for fast, fine work—slow speed for heavy work—and ANY speed in between. Speed controlled by conveniently located ball crank.

A Four-Speed Model with 610-910-1255 and 1725 Cutting Strokes Per Minute

Operating at four well-selected speeds, this scroll saw has the same features as the Variable-Speed unit described above. The heavy, rigid overarm—the heavy 14" x 14" finely finished cast iron table, the design of the chucks, blade support, guide and other features make this an excellent saw for all purposes. Speeds 610, 910, 1255 and 1725 C.S.M.*

*Cutting strokes per minute

DELTA POWER TOOLS DIVISION
ROCKWELL MANUFACTURING COMPANY

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No. 40-305
Motor and Switch Extra

Specifications

Capacity, arm to saw .................................. 24"  
Thickness of cut ..................................... 1/2"  
Table size ........................................... 14" x 14"  
Table tilts .......................................... 45° right, 15° left, 45° front  
Table from floor .................................... 32 1/2"  
Overall Height ...................................... 55"  
Width .................................................. 15"  
Length ................................................ 36"  
Speeds (Variable Speed Model) ..................... 650 to 1700 C.S.M.*  
(4-Speed Model) .................................... 610, 910, 1255, 1725 C.S.M.*  

Overarm can be removed for unlimited cutting capacity with saber blade.

Catalog Listing

No. 40-205—Four Speed 24" Scroll Saw with No. 50-716 Steel Stand, No. 720 4-step Cone Pulley on Arbor, No. 718 4-step Motor Pulley (specify bore), No. 340 V-belt, No. 1203 Belt and Pulley Guard, 1 Saber Blade and 3 Scroll Saw Blades, Without motor or switch, 194 lbs.
No. 40-305—Variable Speed 24" Scroll Saw with No. 50-716 Steel Stand, No. 1443 Arbor Pulley, No. 1446 Variable Speed Motor Pulley (specify bore), No. 1447 Motor Base and Bracket, No. 331 V-belt, No. 1441 Belt and Pulley Guard, 1 Saber Blade and 3 Scroll Saw Blades, Without motor or switch, 197 lbs.
No. 331—V-belt for Variable Speed scroll saw, 1/2 lb.
No. 340—V-belt for 4-Speed scroll saw, 1/2 lb.
No. 718—4-step cone pulley for motor, specify 3/4", 3/8" or 1/2" bore, 1 1/2 lbs.
No. 1203—Belt and pulley guard for 4-speed scroll saw, 18 lbs.
No. 1207—4-speed accessory group consisting of No. 718 motor pulley (specify bore), No. 720 spindle pulley and No. 340 V-belt, 1 1/2 lbs.
No. 1440—24" Scroll Saw with 1 Saber Blade, 3 Scroll Saw Blades, Without motor or switch, 106 lbs.
No. 1442—Belt and pulley guard for Variable-Speed Scroll Saw, 6 lbs.
No. 1443—Special arbor pulley for Variable-Speed Scroll Saws 3/4" bore, 2 3/4 lbs.
No. 1446—Variable-Speed motor pulley only 3/4" bore, 2 lbs.
No. 1447—Motor Base for Variable-Speed scroll saw with bracket, screw and handle, 8 lbs.
No. 50-716—(Old No. 716)—Steel Stand 31 1/2" high: top 7" x 33", 55 lbs.

Motors Recommended: Heavy Duty 62-110, 66-110; Medium and Light Duty 60-310. (For complete listing of motors and switches see page 22.)

(For Prices See Attached Price List)
Accessories That Increase The Usefulness of Your Scroll Saw

**VARIABLE SPEED ATTACHMENT**

Any Delta Milwaukee four speed 24" Scroll Saw may be easily converted into a Variable Speed Model with the use of the No. 1444 Variable Speed Accessory Group shown in the photo above and the No. 1442 Belt and Pulley Guard.

It consists of the variable speed motor pulley, motor base with bracket screws and handles, special V-belt, and special arbor pulley. With this accessory group any speed from 650 to 1700 cutting strokes per minute may be obtained using a 1725 r.p.m. motor.

**No. 1444** Variable-Speed Accessory Group consisting of No. 1445, No. 1447, No. 391 and No. 1449, 11 lbs.

**No. 1442** Belt and Pulley Guard for No. 1444, 5 lbs.

**INDIVIDUAL BLADE GUIDES**

These guides supplement the regular guide and hold-down, and are used where close following of a line or pattern is important. Ideal for puzzle and marquetry work. Set consists of six different hardened steel guides and a bracket.

**No. 1202** Set of six guides and bracket, 1 lb.

**SELF-CENTERING CHUCK**

Fix lower plunger of Scroll Saw. A boon to craftsmen who specialize in puzzle and marquetry work. Fine blades are automatically guided to center of chuck and locked securely with thumb screw, saving much time especially on interior cuts.

**No. 718** Self-centering lower jaw chuck, 1/2 lb.

**LOWER SABER BLADE GUIDE**

Supports saber blade directly below table. Also enables you to do perfect straight-line work, when used in conjunction with the lower saber blade guide, as blade is supported above and below the table.

**No. 1204** Lower Guide for Scroll Saw, with post, nut and thumb screw, 1/4 lb.

**SANDING ATTACHMENT**

Built to sand concave, convex or flat surfaces, this convenient sanding attachment saves hours of hand labor. It does away with the annoyance of makeshift devices. Knurled knob expands the body of sanding attachment and tightens garnet sleeve securely. 1 1/2" thick and 2 1/2" long. 1/4" diameter shank fits lower jaw of Scroll Saw.

**No. 711** SANDING Attachment with one sleeve, 1/2 lb.

**No. 841** Six No. 1 Grit Medium Garnet Sleeves, 1/4 lb.

**No. 842** Six No. 1/0 Grit Fine Garnet Sleeves, 1/4 lb.

**GRAY MACHINE ENAMEL**

Hundreds of users have purchased our attractive medium gray enamel, with which we paint our machines, in order to paint benches, tool stands and accessories in their shops to match. Excellent quality finish. Has a hard smooth surface; dries quickly. May be brushed on or sprayed.

**Cat. No.** Size Shade Wt. Ship.

49.355 1 qt. Med. 5 lbs.

49.354 1 gal. Med. 14 lbs.

**NEW, BETTER, RUST REMOVER**

A non-inflammable liquid that removes rust and cuts grease and oil from iron and steel. Delivers Rust Remover also cleans copper, brass, aluminum, zinc die castings, galvanized iron, iron and steel.

Ready to use—apply with spray, brush, steel wool or cloth. Does not leave chalky surface, requires no extra wiping.

**No. 49.317**—1 qt. Bottle, 5 lbs.

**No. 49.320**—1/2 pt. bottle, 1 1/2 lbs.

**No. 49.321**—1/2 gal. bottle, 7 lbs.

**No. 40.357**—1 gal. bottle, 15 lbs.

**"STOP RUST" Prevents Rust Formation**

When applied to any clean polished metal surface it prevents the formation of rust or oxidation. Is not sticky or oily. Apply "Stop Rust" according to directions and it will give you a polished, safely-protected surface without a trace of smootheness.

**No. 109**—1 pint can, 1 1/4 lbs.

**No. 110**—Case of 12 pints, 16 lbs.

Notes: Paint, Rust Remover and Stoprust are not suitable. Shipping must be express or freight.

**SAVER BLADES FOR WOOD**

Made of best steel, accurately hardened and set. 5" long overall. 6 to a package 8 lbs.

**703**—1/2 doz. .025" Thick, 1/2" Wide, 8 teeth per inch.

**704**—1/2 doz. .035" Thick, 1/2" Wide, 7 teeth per inch.

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DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY
**How To Select And Use The Right Scroll-Saw Blade**

When compared casually with one another, many blades look so much alike that the average person mistakenly thinks them to be the same. Actually, there is a great difference in how they cut — in the number of teeth per inch, the set of the teeth, the thickness of the blade, and its width.

On this page is a complete guide you can follow in selecting the proper scroll-saw blades.

The table below recommends — by blade number — the blade you should use to cut various materials. And it gives the speed at which you should run the scroll saw to do the best job.

The recommendations given are average recommendations. You will find that there are differences in material and for different thicknesses, or even for the variation in the material itself. Different blades should be chosen to do the best cutting job. In almost all cases, however, the blades shown here and recommended are the blades that will give you the finest cuts possible when run at the proper speeds. It may be necessary if you do run across variations to do a little experimenting with the speed at which the saw is run and also in the blade itself.

We suggest that you keep this page as a handy aid in selecting and using the right scroll-saw blade for your job.

<table>
<thead>
<tr>
<th>MATERIAL TO BE CUT</th>
<th>SPEED</th>
<th>THICKNESS OF MATERIAL TO BE CUT</th>
</tr>
</thead>
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<td>ALUMINUM, BRASS</td>
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<td>JEWELRY METALS</td>
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<td>LEAD, FEWTER</td>
<td>SLOW</td>
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<td>SHEET IRON, MILD STEEL</td>
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<td>ASBESTOS</td>
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<tr>
<td>BAKELITE CELLULOID PLASTICS</td>
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<td>LAM'D PLASTICS PIBERTEX MICARTA</td>
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<td>HARD RUBBER</td>
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<td>PRESS ED WOOD PLYWOOD WALL BOARD</td>
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<td>HARDWOOD</td>
<td>MEDIUM</td>
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<td>SOFTWOOD</td>
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<td>PAPER</td>
<td>FAST</td>
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</table>

**SPRDS:** SLOW, 650 to 900 R.P.M. — MEDIUM, 900 to 1300 R.P.M. — FAST, 1300 to 1750 R.P.M.

**DELTA POWER TOOL DIVISION**

**ROCKWELL MANUFACTURING COMPANY**

**Below are full-sized profiles of Delta Scroll Saw Blades. Blade number, dimensions, and number of teeth per inch are given for each. To a package.**

<table>
<thead>
<tr>
<th>No. of teeth per inch</th>
<th>Width (in.)</th>
<th>Thickness (in.)</th>
<th>No.</th>
<th>Width (in.)</th>
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www.OzarkToolManuals.com
Delta Equipment Is Used Everywhere

Delta Power Tool Division
Rockwell Manufacturing Company
Large Capacity — Smooth Operation — Long Life in This Husky Shaper

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Table Height</td>
<td>34&quot;</td>
</tr>
<tr>
<td>Table Size</td>
<td>27&quot; x 28&quot;</td>
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<tr>
<td>Table Size with extensions</td>
<td>27&quot; x 36&quot;</td>
</tr>
<tr>
<td>Table Opening Diameters</td>
<td>6½&quot; 3½&quot;, 3&quot; and 1½&quot;</td>
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<tr>
<td>Spindle Diameter Furnished</td>
<td>3/4&quot;</td>
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<tr>
<td>Other Spindles Available</td>
<td>1/8&quot; and 5/16&quot;</td>
</tr>
<tr>
<td>Capacity, 1/4&quot; Spindle (under nut)</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td>1/2&quot; Spindle (under nut)</td>
<td>21/2&quot;</td>
</tr>
<tr>
<td>5/16&quot; Spindle (under nut)</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Spindle Speed (R.P.M.)</td>
<td>10,000</td>
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<tr>
<td>Largest table opening</td>
<td>81/2&quot;</td>
</tr>
<tr>
<td>Fence Size (each side)</td>
<td>33/4&quot; x 123/4&quot; x 15/16&quot;</td>
</tr>
<tr>
<td>Spindles are interchangeable</td>
<td></td>
</tr>
</tbody>
</table>

Shaper Unit Complete

Table is big 27" x 28" with a 3/8" x 1/4" groove for mitering and beveling. May be increased to 27" x 36" by adding extension table.

Exceptionally long 3/4" diameter spindles. Spindles readily interchangeable for use of wide variety of cutters. Note removable table inserts in 3 opening sizes.

Spindle assembly showing rugged design, short, stiff drive spindle, well spaced bearings. Provides chatterless work.

Entire mechanism is one piece cast iron and bolted to bottom of table, nothing to get out of alignment, ensures true running.

All controls in one group. Hand wheel for spindle adjustment, lock knob, scale showing spindle height and starting switch.

Fully adjustable fence — both half adjust independently, adjustable endwise so opening can be made small as required.

Designed and Built to Handle Heavy, Fast Cuts...

Ideal for the cabinet shop, furniture factory, specialty shop, sash and door company — as a matter of fact, any shop where accurate production shapings must be done at low cost.

The table is big 27" x 28" and can be increased to 27" x 36" by adding the extension table.

Big and husky spindle is 3/4" x 3/4" under the nut with a full 3" travel. Carried on sealed, lubricated-for-life ball bearings. Spindle is accurately ground—bearing seats diamond bored for absolute accuracy. Standard 3/4" spindle easily and quickly interchangeable with 1/2" or 5/16" spindle for 3 lip formed cutters or with 1/8" stub spindle for cope cutters.

Main bearing housing is massive and is supported by a 4 point suspension which keeps spindle square with table.

Removable table inserts in three sizes provide capacity for solid cutting tools up to 6" in diameter and sectional and inserted cutters up to 4" in diameter. Safety and convenience are reased.

Controls are conveniently grouped at front. Spindle height indicator covers full 3" travel. Knob in center of hand wheel locks position. Enclosed nuts are resistant to moisture and damage. Doors provide easy access for repairs or replacement. Easily cleaned. Heavy enough to stay put yet light enough to be moved to facilitate production.

CATALOG LISTING

No. 43-205 — Shaper with No. 1354 Fence, 3/4" Spindle, Table Inserts. Starting Pin, Wrenches. Spindle Pulley, two No. 1349 Table Extensions. No. 297 V-belt and No. 5710 Motor Pulley (specify bore). Without Motor. Reversing Switch or Cutters. 297 lbs.

No. 297 — V-belt. Out. Cir. 30". 1/2 lb.

No. 1354 — Auto-set miter guide. 4 lbs.

No. 853 — Clamp attachment for miter guide, with clamp bar, two sliding clamp screws, and front and rear posts. 3/4 lbs.

No. 873 — Extra clamp screw and block for Clamp Attachment. 1 lb.

No. 1345 — 3/8" stub spindle for cope cutters with 1/4" hole. 1 lb.

No. 1346 — 5/8" spindle for 3 lip cutters with 5/16" hole. 1 lb.

No. 1347 — 3/4" spindle for 3 lip cutters with 7/16" hole. 1 lb.

No. 1349 — Extension table, 8" x 27". 23 lbs.

No. 5700 — Motor pulley for 450 r.p.m. motors. Specify bore, 3 lbs.

No. 43-826 — Solid Shaper Spindle Cartridge Assembly with 8x10 R.H. Thread for use on No. 1340 or No. 43-205 Shaper when only clockwise rotation of spindle is desired. This spindle cannot be reversed for counterclockwise rotation. Capacity under nut is 4%.

No. 43-827 — Solid Shaper Spindle Cartridge Assembly with 8x10 L.H. Thread for use on No. 1340 or No. 43-205 Shaper where only counterclockwise rotation of spindle is desired. This spindle cannot be reversed for clockwise rotation. Capacity under nut is 4½.

Motors Recommended: 58-020, 86-921, 87-121.

Important: Order proper "On-and-Off" switch and mounting parts. For single phase and D.C. motors No. 1320 switch, for 3 phase motors No. 1320 switch and No. 1327 mounting parts. Reversing mechanism built into single phase, for 3 phase and D.C. motors order No. 1328 reversing switch. For complete listing of motors and switches see page 77.

For Prices See Attached Price List

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

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www.OzarkToolManuals.com
3—LIP CUTTERS AND COLLARS

These three lip cutters offer unlimited possibilities in making hundreds of moulding shapes. They have involute relief and honing the face does not change the shape. The collars for use with the cutters are ground to size. Cutters below illustrated 1/4 size.

STANDARD CUTTER SETS

No. 1182—Standard Cutter Set includes D-100 to D-108 inclusive and collars D-142 to D-149 inclusive. Packed in wood case, 12 lbs.

No. 1213—Cove and Bead Cutter Set Includes D-108, D-120, D-131, D-123 to D-128 inclusive and D-120 Collars. Packed in Wood Case, 14 lbs.

No. 1214—Sash and Cabinet Cutter Set Includes D-108, D-120, D-131, D-123 to D-128 inclusive and D-120 Collars. Packed in wood case, 15 lbs.

D-205—Frog Door Assembly Set with D-205, D-206, female cutters, and D-132 collar.

D-206—Frog Door Assembly Set includes D-205, D-206 female cutters, D-132 straight cutter and D-132 collar.

D-208—Cove Cutter Assembly includes D-207, D-208 female cutters, D-133 and D-215 collars.


SPECIAL NOTE: If you do not have 1/2" Spindle for your shaper, order, in addition, one No. 1367 1/2" Spindle.

SHAPER COLLAR SETS

No. 1210—Set of 7 collars from 3/4" to 1 1/16" diameter, D-142, D-143, D-144, D-145, D-147, D-172 and D-173. 1 1/2 lbs.

No. 1211—Set of 6 collars from 1 3/16" to 1 1/4" diameter, D-141, D-144, D-147, D-174 and D-175. 1 lb.

No. 1212—Set of 6 collars from 1 5/16" to 1 3/4" diameter, D-145, D-176, D-177, D-179 and D-180. 1 1/2 lbs.

No. 1191—Set of 4 collars for case cutters, D-140, D-141, D-150 and D-151. 1 1/2 lbs.

No. 1198—Set of Table Inserts with Guide Shoulders SR-253 2 1/8" dia. and SR-254 2 1/2" dia. 1 1/2 lbs.

J—Lip Cutters with 5/16" Hole

No. 980—Set of 24 Edge Cutters D-1 to D-80 with No. 976 Adapter and 6 Collars in wood box. 2 206. For use on the No. 1946 spindle. (For complete listing on these cutters see page 4.)

3—KNIFE SAFETY CUTTER HEAD

Made of alloy steel. Bushing furnished so that cutterhead fits either 2 or 3 knives. Use moulding cutter knives listed below. Furnished without knives.

No. 1343—3 Knife Cutter Head. 1/4 lbs.

EXTRA SETS OF CUTTER BLADES

Come in sets of three matched blades.

New Old Description
D-100 1/4" Cove, 1/4" Quarter Round
D-101 1/4" and 1/6" Quarter Round and 1/4" Bead
D-103 5/32" and 1/4" Quarter Round
D-104 3/16" Straight
D-105 1/8" Flat
D-106 1/8" Round
D-110 1/8" Bead
D-111 1/8" Bead
D-112 1/8" Bead
D-205 Round Tongue
D-393 1/8" Mortise Tongue Moulding (1/32" x 1/8")
D-397 3/32" Free R. H.
D-398 3/32" Free L. H.
D-211 3/32" Flat
D-221 1/8" Flat
D-221 1/8" Bead
D-224 1/8" Bead
D-225 1/8" Bead
D-232 3/32" Bead
D-235 3/32" Bead
D-237 3/32" Flute Bead
D-240 Bead, Quarter Round and Ogee Comb
D-243 Bead, Ogee Comb and Ogee
D-244 Bead, Ogee Comb and Ogee
D-245 Bead, Ogee Comb and Ogee
D-247 Bead, Ogee Comb and Ogee
D-248 Bead, Ogee Comb and Ogee

See page 17 for actual size and shape of cutters.

SPRING HOLD DOWNS

Holds work firmly against fence and table . . . used on either end of fence. Accommodate work up to 3/4" thick.

No. 983—Set of Spring Hold Downs. 2 lbs.

SAFETY RING GUARD

Fully adjustable and easily removed ring guard . . . protects operator . . . acts as efficient hold down.

No. 1348—Safety Ring Guard. 8 lbs.

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

SNAPE: CUTTERS — 1/2" HOLE

NOTE: Some of the cutters listed above are not shown on these pages. For a complete listing see pages 4 and 17.

STRAIGHT CUTTERS — 1/2" HOLE

No. 104 1/8" Quarter Round
No. 106 3/16" Bead
No. 107 5/32" Bead
No. 110 3/32" Bead
No. 100 1/8" Ogee
No. 101 1/8" Bead
No. 102 1/8" Bead
No. 103 1/8" Bead
No. 104 1/8" Bead
No. 105 1/8" Bead
No. 106 1/8" Bead
No. 107 1/8" Bead
No. 108 1/8" Bead
No. 109 1/8" Bead
No. 110 1/8" Bead
No. 112 1/8" Bead
No. 114 1/8" Bead
No. 116 1/8" Bead
No. 118 1/8" Bead
No. 120 1/8" Bead
No. 122 1/8" Bead
No. 124 1/8" Bead
No. 126 1/8" Bead
No. 128 1/8" Bead
No. 130 1/8" Bead
No. 132 1/8" Bead
No. 134 1/8" Bead
No. 136 1/8" Bead
No. 138 1/8" Bead
No. 140 1/8" Bead
No. 142 1/8" Bead
No. 144 1/8" Bead
No. 146 1/8" Bead
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No. 156 1/8" Bead
No. 158 1/8" Bead
No. 160 1/8" Bead
No. 162 1/8" Bead
No. 164 1/8" Bead
No. 166 1/8" Bead
No. 168 1/8" Bead
No. 170 1/8" Bead
No. 172 1/8" Bead
No. 174 1/8" Bead
No. 176 1/8" Bead
No. 178 1/8" Bead
No. 180 1/8" Bead

For Sash work: Counterbored to fit stub spindle No. 1345 and No. 1106.

Spacing Collars for Shaper Cutters

No. 1345—2 1/8" Diameter
No. 1346—2 3/8" Diameter
No. 1347—2 1/4" Diameter
No. 1348—2 1/4" Diameter
No. 1349—2 3/8" Diameter
No. 1350—2 3/8" Diameter
No. 1351—2 3/8" Diameter
No. 1352—2 3/8" Diameter
No. 1353—2 1/4" Diameter
No. 1354—2 1/4" Diameter
No. 1355—2 1/4" Diameter
No. 1356—2 1/4" Diameter
No. 1357—2 1/4" Diameter
No. 1358—2 1/4" Diameter

SAFETY CUTTER HEAD with Blank Knives

For special mouldings that cannot be made with standard shaper cutters, special cope cuts, etc. Knives are self-hardening and will blister so that cutter design may be drawn directly on them and ground to shape. All knives are furnished with a 30" clamp angle. Cutter head furnished without knives.

No. 1142—Cutter head, 2 1/4" high, for 3/4" spindle, with tightening block. 1/2 lbs.
No. 1141—Cutter head, 2 1/4" high, for 3/4" spindle, with tightening block. 1/2 lbs.
No. 1192—Two 1/2" wide x 2 1/2" long knives.
No. 1194—Two 3/4" wide x 2 1/2" long knives.
No. 1195—Two 1 1/4" wide x 2 1/2" long knives.
No. 1196—Two 1 1/2" wide x 2 1/2" long knives. 1/2 lbs.

(For Prices See Attached Price List)
12" Ball Bearing Lathe That is Rigid, Accurate, Safe, Dependable

No. 46-305
4 Speed Lathe for Wood Turning
- Motor and Switch Rod Extra.

TWO MODELS—4-speed for Wood Turning and 16-speed for Wood and Light Metal Work.

THIS is the perfect lathe for general wood working applications. With the use of Tungsten Alloy tipped turning chisels, light metals can be turned at wood turning speeds. By adding the counter shaft unit the 4-speed lathe can be converted into an efficient and accurate 16-speed lathe for light metal working. With the addition of the compound slide rest practically everything except screw cutting can be done. The slower speeds are ideal for large face plate wood turning.

CATALOG LISTING

No. 46-305 4-speed 12" Lathe with No. 1461 Tool Support Base, No. 690 4" Tool Support, No. 692 12" Tool Support, No. 933 Drive Center, No. 934 Cup Center, No. 936 3" Face Plate, No. 644 V-belt, No. 932 Motor Pulley (specify bore), No. 1453 Lathe Bench and wrenches. Without motor or switch rod. 254 lbs.

No. 46-310 16-speed 12" Lathe with No. 1461 Tool Support Base, No. 690 4" Tool Support, No. 692 12" Tool Support, No. 933 Drive Center, No. 934 Cup Center, No. 936 3" Face Plate, No. 644 V-belt, No. 932 Motor Pulley (specify bore), No. 1461 Counterbore Attachment, No. 1463 Lathe Bench, and wrenches. Without motor or switch rod. 272 lbs.

No. 192—Allen Extension Wrench. 1/2 lb.
No. 284—V-bolt, for Countershaft arrangement. Out. Cir. 30-7/16. 1/2 lb.
No. 932—4-step Motor Pulley (specify bore), 2 lbs.
No. 949—1/4" Open End Wrench. 1/2 lb.
No. 1334—Switch Rod for use with No. 46-305.
No. 1460—12" Lathe with No. 1461 Tool Support Base, No. 690 4" Tool Support, No. 692 12" Tool Support, No. 933 Drive Center, No. 934 Cup Center, No. 936 3" Face Plate, No. 644 V-belt and wrenches. Without motor pulley, motor, switch rod or bench. 160 lbs.
No. 1463—Lathe Bench complete with switch rod, cast iron legs and bolts. 37 lbs.
No. 1464—Counterbore Unit, consisting of (2) No. 49-270 hangers, No. 378 shaft, No. 718 pulley (specify bore for motor), No. 720 pulse shaft, No. 254 pulley (1/2 bore), No. 254 V-belt, (2) No. 49-374 collar, bolts and nuts, 20 lbs.


For Prices See Attached Price List

These Features of Design and Construction
Provide Greater Accuracy and Longer Life

The features of this remarkable lathe have made it a favorite in thousands of shops throughout the country—Furniture Factories, Cabinet Shops, Specialty Shops, Millwork Shops, Sporting Goods Manufacturers, Pattern Shops, Schools, etc.

BED: Heavy, substantial, fine-grained cast iron, properly ribbed to provide the utmost in rigidity and accuracy. 53 1/2" long, 8 1/2" wide, 4 1/2" high. Finely ground and machined ways 2" wide front and back.

HEADSTOCK: Rigid substantial cast iron body, designed to take V-belt drive from either bottom or rear. Fitted with belt guard completely covering top and front of headstock pulley and belt; guard instantly removable to facilitate changing belt or pulley from inside, with built-in indexing mechanism having two rows of holes—8 holes and 60 holes—in cone pulley, to provide maximum number of index divisions. Index pin mounted to engage either row of holes.

SPINDLE: 1 1/4" diameter spindle, with 5/8" hole through center to facilitate the handling of long rod stocks or of repetition work. Nose machined for No. 2 Morse Taper chucks. Nose threaded 1" diameter 8 thread per inch for chucks and faceplates. Rear end of spindle has 1"-5 thread for lathe chuck. Spindle carried on two heavy-duty double-seal New Departure lubricated-for-life ball bearings, pre-loaded to insure maximum rigidity and accuracy. Spindle quickly removable to facilitate belt removal or installation. 4-speed model has speeds of 915, 1360, 2150, and 3260 r.p.m. 16-speed model has speeds from 340 to 3400 r.p.m.

TAILSTOCK: Substantial, fine-grained cast iron body, with sub-base and provision for set-over of tailstock for center alignment and taper turning. Tailstock locked to bed with wrench conveniently located at front. Tailstock sleeve operated with large ball-end crank handle, and locked with ball-end lever actuating lock cam. Sleeve machined for No. 2 Morse Taper centers. Centers self-ejecting.

TOOL REST: Lathe equipped with quick-acting universal tool-rest base, locked to bed by convenient handle at front of base. Tool rests adjustable in tool-rest base by means of lock screw with ball-end T-handle.

EFFICIENT DRIVE: A simple, dependable, V-belt drive. Nearly 80% efficient, transmits plenty of power for all your work.

DELTA POWER TOOL DIVISION
ROCKWELL MANUFACTURING COMPANY

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www.OzarkToolManuals.com
Handy Lathe Accessories Add to Use of 12-inch Lathe

**MANY FEATURES...**

Famous Indexing Mechanism: two rows of holes in headstock pulley, 8 holes and 60 holes can be engaged at will by the unique indexing pin. You can now obtain the maximum number of index divisions.

Substantial, fine-grained cast iron tailstock, with sub-base and provision for set-over of tailstock for center alignment and taper turning. Tailstock locks to bed with strength, conveniently located at front.

Universal Tool Support is exceptionally handy and fast in action. Heavy and substantial, it locks to bed at any position or angle with convenient lever at the front where it does not interfere with work.

Massive Lathe Bed made of fine-grained cast iron, heavily ribbed to provide the greatest rigidity and accuracy. 53½” long, 50½” wide, 43½” high. Finely machined ways 2” wide front and back.

Graduated Tailstock. Sleeve operated with large ball crank handle and locked in place with convenient ball and lever. Sleeve machined for No. 2 Morse Taper centers. Centers self-ejecting.

Safety Headstock completely enclosed pulley and belt from front and top of lathe. Belt drive can be taken from either the bottom or the rear— an added convenience.

**No. 933—Drive Center for 12” Lathe.** Fits any lathe headstock with No. 2 Morse Taper Hole. Has replaceable center pin and four accurately milled teeth. ¾ lb.

**No. 939—60-degrees plain center for metal turning on 12” lathe.** Fits any lathe headstock with No. 2 Morse Taper hole. Hardened and ground. ¾ lb.

Screw-on arbor with ½” shaft for grinding wheels, buffing wheels, wire brushes, etc. Flanges trued for accuracy, for 1” dia. 4 thread shaft. 1 lb.

**No. 144—Screw-on Arbor Right Hand.** Fits any lathe headstock with No. 2 Morse Taper hole. Invaluable for drilling on the lathe. Capacity No. 60 ½”. 2½ lbs.

**No. 1461—Tool Support Base for 12” Lathe.** Has V-shaped hole for ½” to 1” diameter shanks, with universal locking mechanism. 5 lbs.

**No. 692—Standard Tool Support.** In 12” wide with 1” diameter shank. Heavy and strong. Designed for minimum interference with tools and hands. 3 lbs.

**No. 690—4” Tool Support.** Has a 1” diameter shank. Very strong and well made. Made for use where doing small, fine work. 1½ lbs.

**No. 1468—Steady Rest for 12” Lathe.** Prevents spring and vibration of long thin stock. Heavy cast iron base with swiveling arms of steel. Capacity 2½”. 7½ lbs.

**No. 936—5” Face Plate for small and medium face plate work on the 12” lathe.** Faced true and provided with three holes for screws. R.H. thread only. For shaft with 1”-8 thread. 1½ lbs.

**No. 925—Adapter for 12” Lathe.** Has No. 2 Morse Taper Shank on one end, ½” diameter, 1½” long. Enables use of all attachments with ½” bore to fit arbor. ¾ lb.

Wire wheels for scrubbing rust from metals, removing burrs, etc. Two sections. 6” diameter ½” hole. 1 lb.

**No. 3113—Wire, coarse.**

**No. 3114—Wire, fine.**

**No. 3115—Tampico Fibers.**

**No. 934—Cup Center for 12” Lathe.** Fits any tailstock with No. 2 Morse Taper hole. Has replaceable center pin. Hardened and polished. ¾ lb.

**No. 940—Screw Center for 12” Lathe.** Fits any lathe headstock with No. 2 Morse Taper hole. Excellent for turning small, delicate work. With 1½” long replaceable screw, 1½” dia. face, 1½ lbs.

**No. 968—Geared Arbor Key.** Fits any lathe headstock with No. 2 Morse Taper hole, invaluable for drilling on the lathe. Capacity No. 60 ½”. 2½ lbs.

**No. 697—Heavy, rigid Floor Stand for face plate work on the left of the spindle. Tripod legs, pipe support. V-hole for ½” to 1” shank. Knuckled down. 43 lbs.

**No. 693—Right angle Tool Support for extra long turning.** Has two 1” diameter shanks. This rest requires an extra tool support base No. 1461 for lathe on which it is used. 7 lbs.

**No. 938—5” Hand Wheel for 12” Lathe.** Fits left-hand end of lathe spindle with 1½” thread. Useful for quick stopping of lathe, for positioning of work, etc. 3 lbs.

**No. 937—6” Face Plate for large face plate work on the 12” Lathe.** Has special thread to fit both right and left hand threaded spindles. Used either end of spindle. For spindle with 1½” thread. 3 lbs.

**No. 4005—Buffing wheel, for polishing plated parts and cleaning and buffing metal parts of all kinds. 6” diameter, ½” wide with ½” hole to fit lathe arbors. 1 lb.

6” diameter, high-quality, fast cutting grinding wheel. ½” wide with ½” hole to fit No. 144 and 145 arbor. Handy to have in any shop. ¾ lbs.

**No. 3101—Grinding wheel, 46 grit.**

**No. 3102—Grinding wheel, 80 grit.**

(For Prices See Attached Price List)

DELTA POWER TOOL DIVISION

ROCKWELL MANUFACTURING COMPANY

29
Lathe Accessories and Attachments Increase Usefulness of Lathe

COLLET CHUCK FOR LATHE
- Safe - Accurate!

No. 46-936 - Collet Chuck for Lathe, made of chrome plated, rustproof alloy, large capacity, 1-1/4" diameter, built-in chuck, for use with No. 46-936. 4 lbs.

No. 46-937 - Steel Collet Chuck 2" capacity, 1-1/8" diameter, built-in chuck, for use with No. 46-937. 4 lbs.

No. 46-938 - Collet Chuck 2" capacity, 1-1/2" diameter, built-in chuck, for use with No. 46-938. 4 lbs.

SANDING TABLE FOR LATHE

This sanding table is used for finishing, sanding plain or compound mitered, beveled, and rounded work. Table is supported both front and back, and offers perfect support for the work. It is designed to suit the work—graduated to show the angle of tilt—and has a 3-1/2" x 3-1/2" slot for easy selection. Includes No. 34-903 Miter Gage. 15 lbs.

No. 46-948 - Sanding Table, complete with adjustable Bracket and Clamps, for 10" 11" and 12" Lathe, 15 lbs.

COMPOUND SLIDE REST

This Compound Slide Rest is accurately built with dovetail slides and graduated compound base rotating 360 degrees. Feed screws are protected from dust and chips, and are fitted with micrometer screws, accurately graduated. 33 lbs.

No. 46-961 - Compound Slide Rest for 12" Lathe with tool post rocker, washer and wrench. 33 lbs.

HOLDER, BORING BARS AND TOOL BITS

for use with the Slide Rest

The holder for boring bars and tool bits is an extremely handy tool and many uses can be found for it. Holds both boring bars and square 3/8" bits. Two holes in holder facilitate holding of the tool. Made of tool steel, nose hardened. 1 lb.

No. 46-963 - Holder for Boring Bar and Tool Bits. 1 lb.
No. 46-966 - Set of three Boring Bars. 1 lb.
No. 46-965 - Set of four high-speed steel tool bits 3/8" x 1/4", roughing, finishing, right corner and left corner. 1 lb.

BUFFING COMPOUND KIT

This efficient kit allows you to polish all types of material on your 28-603 basic head unit. Consists of four different buffing compounds and full 1/2" buffering wheel made for home use.

No. 4003 - Buffing Kit of Compounds and Wheel and 28-603 Buffing Compounds only without Wheel.
No. 4004 - Box contains four Buffing Compound.

MITER GAGE for SANDING TABLE

Miter Gage provides accurate angles... pivots 60 degrees both right and left. Used for sanding plain and compound mitered. Bends in accurately milled slot in sanding table.

No. 34-903 - Miter Gage 3 lbs.
No. 46-934 - Sanding Disk for 11 and 12 inch lathes. 5 lbs.

AIRBRUSH PAPER DISKS

Garnet paper disks for use with No. 46-934 sanding disk. Comes in two grades, fine and coarse.

No. 46-815 - Coarse No. 40 Grit Garnet paper disk. 9/16" dia. (1 doz.) 1 lb.
No. 46-817 - Fine No. 80 Grit Garnet paper disk. 9/16" dia. (1 doz.) 2 lbs.

Disk Adhesive

With disk adhesive you have no messy gluing, no removal of metal disks from machine, no waiting over night for the new abrasive disk to dry. You can change from one abrasive disk to another every few minutes.

No. 49-503 - Disk Adhesive. 2 lbs.
No. 161 - 3" x 3" Sanding Drum with No. 2 Morse Taper Shank. 2 lbs.
No. 164 - 1-1/2" x 2" Sanding Drum with No. 3 Morse Taper Shank. 1 lb.

WOOD TURNING TOOLS

Made of special, high-grade alloy steel. Fitted with extra long hard wood handles, 1/4" x 10 1/2". Overall length 15". 1/4" lbs.

No. 121 - 1/4" Gouge Chisel 1 lb.
No. 123 - 1/4" Gouge 1 lb.
No. 124 - 1/4" Gouge Chisel 1 lb.
No. 125 - 1/8" Parting Tool 1 lb.
No. 127 - 1/8" Spear Point 1 lb.
No. 128 - 1/2" Round Nose 1 lb.
No. 130 - Set of all above 8 tools. 6 lbs.

ALL-PURPOSE TUNGSTEN ALLOY TIPPED TURING CHISELS

Cuts Metal Free-Hand as Easily as Wood and Plastic

Diamond lapped ready for use. Two of these tools will do the work of a regular set of turning tools. Come in two styles, square nose and round nose, two sizes—1/4" for fine work and 1/2" for larger, heavy work.

With these new tools you can cut free-hand on all materials such as plexiglas, lucite, bakelite, fiber, wood, brass, bronze, aluminum, magnesium, copper, steel, etc.,—all on your woodturning lathes at wood turning speeds.

You can turn metals and plastics free-hand as easily as wood. You need no heavy compound tool rests or bulky, expensive equipment. Then, too, these New Turning Chisels have an extremely long cutting life—require little or no sharpening.

No. 46-801 - 1/4" Square Nose. 1 1/2 lbs.
No. 46-802 - 3/8" Round Nose. 1 1/2 lbs.
No. 46-803 - 3/8" Square Nose. 1 1/2 lbs.
No. 46-804 - 1/2" Round Nose. 1 1/2 lbs.

CAST IRON BENCH LEGS FOR LATHE

No bench twist—strong, solid. Heavy iron cast with all holes 3/4". Bracket for shelf at bottom. Can also be used for other benches and tables.

No. 945 - One pair Cast Iron Bench Legs. 5 lbs.

DELTA POWER TOOL DIVISION

ROCKWELL MANUFACTURING COMPANY
V-BELTS

Designed to make perfect contact with the side of the V-groove, these A section V-belts will transmit maximum horsepower with minimum slip. Cords are saturated with pure liquid rubber, imbedded in special rubber stock which resists fatigue and carries off heat.

Note: When ordering belts for which number is not known, mess with outside diameters of pulleys, then select belt nearest outside circumference in the table.

FOUR STEP CONE PULLEYS

Made for the same size V-belt as plain pulleys listed above. Pulleys may be used in pairs as listed in the table below and will provide the speeds listed in the third column when used with 1725 r.p.m. motor.

Catalog Outside Diameter

<table>
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<tr>
<td>6225</td>
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<tr>
<td>7580</td>
<td>4½&quot;</td>
</tr>
<tr>
<td>7590</td>
<td>5½&quot;</td>
</tr>
</tbody>
</table>

Many Uses for Lamp Attachment

When used in the drill press, band saw, scroll saw, or other machine it brings light to your work just where it is needed. In volume enough for accuracy in following large work. Does not glare. Can be swung back at touch of the fingers. It furnishes even illumination, independent of the shop lighting system. Uses 15 or 25 watt bulbs.

No. 882 - Lamp Attachment. 1½ lbs.

3/8" LINE SHAFTING

Carefully ground to precision limits, this accurate shafting must not be confused with the clumsy cold-drawn shafting sometimes offered. Carried in stock to 1", 2", 3", 4", 5", 6", 8", and 10" lengths.

No. 49.372 - 1⅛" dia. Ground Shafting (Specify Length) per foot. 2 lbs.

SELF-ALIGNING HANGERS

This sturdy, practical Line Shafting is self-aligning in every direction and is adjustable up and down from 4½" to 5" in height. Once properly adjusted it will give years of quiet, trouble-free service. Oil wells hold a large supply of lubricant - keep bronze bearings properly lubricated. Made for 3/8" shafting only.

No. 49.376 - Line Shaft Hanger as shown. 6 lbs.

3/8" SHAFT COLLARS

These shaft collars are of steel, with 3/8" bore to fit line shafting. Equipped with special 3/8" hollow hole set screws. Used to keep shaft in proper position lengthwise, and at side of loose coupling.

No. 49.374 - 3/8" Shaft collar. ¼ lb.

FLEXIBLE COUPLINGS

Necessary where motors are connected directly to the end of line shafts or to the shafts of machines. One side bored 3/8" to suit line shafts. Other, bored to 1/4", 1/2", or 3/4", Specify bore when ordering.

No. 49.379 - Flexible Coupling as shown. 1 lb.

STEEL STANDS

No. For Use With Top Height

50-168 Saw-Jointer Combination 15" x 20" 26½"
50-406 Belt Sanders 8" x 11½" 29½"
50-432 Disk Sanders 12½" x 16½" 31½"
50-603 8½" Industrial 31½"
50-650 6½" Jointer 8½" x 16½" 29½"
50-656 8½" Jointer 8½" x 16½" 29½"
50-680 10" Jointer 8½" x 16½" 29½"
50-681 14" Band Saw 8½" x 16½" 24½"
50-682 10" Circular Saw 8½" x 16½" 24½"

MAKE YOUR OWN SANDING SHAPES

When you are working with irregular shapes where flat sandpaper will not do the job, use this Sanding Kit. You can make disks or drums of any shape for your lathes—or drums shaped to your needs on the drill press and scroll saw. You can make your own blocks shaped the way you need them for irregular work. Easily applied. Ready for use as soon as quick setting glue cures. Ideal for any shop where you work with wood. No. 4017—Delta Sanding Kit containing 1 can of adhesive, one can of line abrasive, 1 can of coarse abrasive and instructions. 4 lbs.

PRESSURED STEEL LEGS

Hardy pressed steel bench legs for setting up your own benches or machine stands. Light in weight, strong and rigid.

No. 49-344—Pressed Steel Leg. 23 lbs. each.
No. 49-345—Pair of Pressed Steel Bench Legs. 46 lbs.

RUBBER FEET FOR STEEL STANDS

Rubber feet provide smoother, quieter operation of machines. Are of the correct composition to stand hard use, with enough flexibility to absorb slight vibrations. With metal plates to fit into the recesses of stand feet, and drilled and tapped for machine screws inserted thru the top of feet.

No. 50-353 (old No. 352)—Set of (4) rubber feet with plates and screws. 1 lb.

WRENCHES AND ALLEN KEYS

No. Description

192 Allen Key, W = 5/32" with 4½" metal handle
193 Allen Key, W = 1/16" with adjustable handle
942 1/8 C. I. Box Wrench
949 1/8" Forged Open End
1529 1/16" Hex. Closed 1/16" Stamped Open End
1530 1/8" Hex. Closed 1/8" Stamped Open End
1526 5/32" Hex. Closed 5/32" Stamped Open End
1522 3/16" Forged Open End
1523 1/8" and 11/64" double end box wrench
1524 9/64" and 5/32" double end box wrench
1525 5/32" closed 11/64" Stamped open end
1527 7/64" and 9/64" Stamped double end box.
1529 1/8 C. I. box wrench
1530 1/16 C. I. box wrench
1532 7/32 Hex. Socket Wrench
1531 Allen Key, W = 5/32"
1532 Allen Key, W = 5/16"
1533 Allen Key, W = 7/32"
1534 Allen Key, W = 5/32"
1535 Allen Key, W = 3/16"
1536 Allen Key, W = 5/32"
1537 5/32" and 9/64" Stamped double end box.

DELTA POWER TOOL DIVISION

ROCKWELL MANUFACTURING COMPANY
You Get Correct Driving Power With Delta-Milwaukee Motors

Equipment Furnished

With Two Shafts. One-Shaft Guard. Sealed, Lubricated-for-Life Ball Bearings. Split Phase Motors—Equipped with heavy duty rubber covered cord and soft rubber plug together with double pole switch.

Three Phase Motors—Do not have switch, cord or plug. Motor must be connected in conduit by an electrician.

SWITCHES

ALL SWITCHES FULLY UNDERWRITER APPROVED

Toggle Switch for Single Phase and D.C. Motors

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>H. P.</th>
<th>Cur.</th>
<th>Voltage</th>
<th>Cycles</th>
<th>R. P. M.</th>
<th>Sh. Wt.</th>
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<tbody>
<tr>
<td>62-116</td>
<td>Cap.</td>
<td>1/2</td>
<td>AC</td>
<td>115</td>
<td>60</td>
<td>1725</td>
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<tr>
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<tr>
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Reversing Switches

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3-Phase Manual Starters

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<th>Type</th>
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<th>Cur.</th>
<th>Voltage</th>
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<th>Sh. Wt.</th>
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Mounting Parts

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<td>60</td>
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Motor Cords

Armoured Cable

No. 315—3-wire Armoured Cable connection from "Motor to Switch" of 3-phase motors. Can also be used for single-phase and D.C. power and ground connectors.

DELTA POWER TOOL DIVISION

Rockwell Manufacturing Company
400 N. Lexington Ave., Pittsburgh 8, Pa.

Printed in United States of America

MOTORS

6" Frame Motors, 1/2" Shaft

<table>
<thead>
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<th>Cat. No.</th>
<th>Type</th>
<th>H. P.</th>
<th>Cur.</th>
<th>Voltage</th>
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8 1/2" Frame, 3/4" Shaft

<table>
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<th>Cat. No.</th>
<th>Type</th>
<th>H. P.</th>
<th>Cur.</th>
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3-Phase Magnetic Starters

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5/8" Frame, for 6" Arbor Saw, 3/4" Shaft

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8 1/2" Frame, for Wood Shaper, 3/4" Shaft

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8 1/2" Frame, for 10" Arbor Saw, 3/4" Shaft

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<th>Cat. No.</th>
<th>Type</th>
<th>H. P.</th>
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No. 225 NEMA Frame, for 12" Arbor Saw, 1" Shaft

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<td>62-921</td>
<td>Cap.</td>
<td>3/8</td>
<td>AC</td>
<td>115/230</td>
<td>60</td>
<td>1725</td>
<td>55</td>
</tr>
</tbody>
</table>

No. 225 NEMA Frame Motors, 1" Shaft

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Type</th>
<th>H. P.</th>
<th>Cur.</th>
<th>Voltage</th>
<th>Cycles</th>
<th>R. P. M.</th>
<th>Sh. Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>62-970</td>
<td>Cap.</td>
<td>1/4</td>
<td>AC</td>
<td>115</td>
<td>60</td>
<td>1725</td>
<td>35</td>
</tr>
<tr>
<td>62-970</td>
<td>Cap.</td>
<td>3/8</td>
<td>AC</td>
<td>115</td>
<td>60</td>
<td>1725</td>
<td>55</td>
</tr>
</tbody>
</table>

*Motors not carried in stock. # Single shaft motors. \* Fully enclosed motor.

SPECIAL DOUBLE POLE, ON AND OFF SWITCH. Use nose for ON, OFF/SHORT for switch, in this position. Note: We reserve the right to substitute capacitor motors for Rep. Ind. motors, or vice-versa on orders for these motors.

Motor not regularly carried in stock will be ordered special and are subject to cancellation.

SWITCH RODS PROVIDE FINGER-TIP CONTROL

No. For Use On | 1330 | 34-307 | 1331 | 1/4" Drill Presses | 1332 | 17" Drill Presses | 1333 | 37-307

No. For Use On | 1334 | 28-209 | 28-207 | 31-505 | 37-585 | 46-305 | 31-442

Note: For use on either 115 or 230 volt lines, they are normally supplied connected for 115 volts.