

# **DURO**

## ***power tools***

No. WW65

***for schools and industry***

**DURO METAL PRODUCTS CO.**

2651 N. KILDARE—CHICAGO 39, ILL.





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**CATALOG No. WW65**

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*SEE DURO MASTER CATALOGUE FOR HOME  
WORKSHOP POWER TOOLS.*

DURO POWER TOOLS ARE MANUFACTURED UNDER THE FOLLOWING PATENTS. OTHER PATENTS PENDING.

U.S. Patents—2,225,049 - 2,237,556 - 2,255,881 - 2,274,923 - 2,285,713 - 2,626,639  
2,675,033 - 2,678,071 - 2,679,871 - 2,704,463 - 2,740,437 - 2,771,103  
2,778,053 - 2,779,362 - 2,787,305 - 2,794,459 - 2,796,091 - 2,852,047.

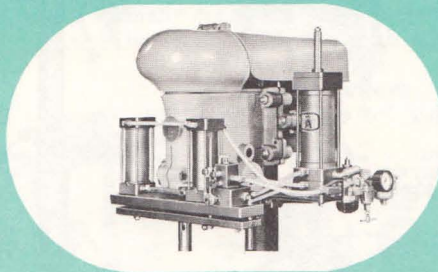
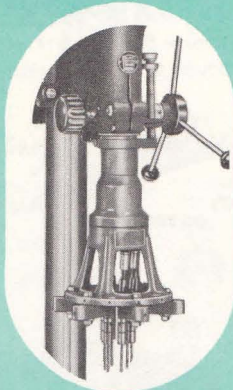
Canadian Patents—498,416 - 541,844.



# DURO

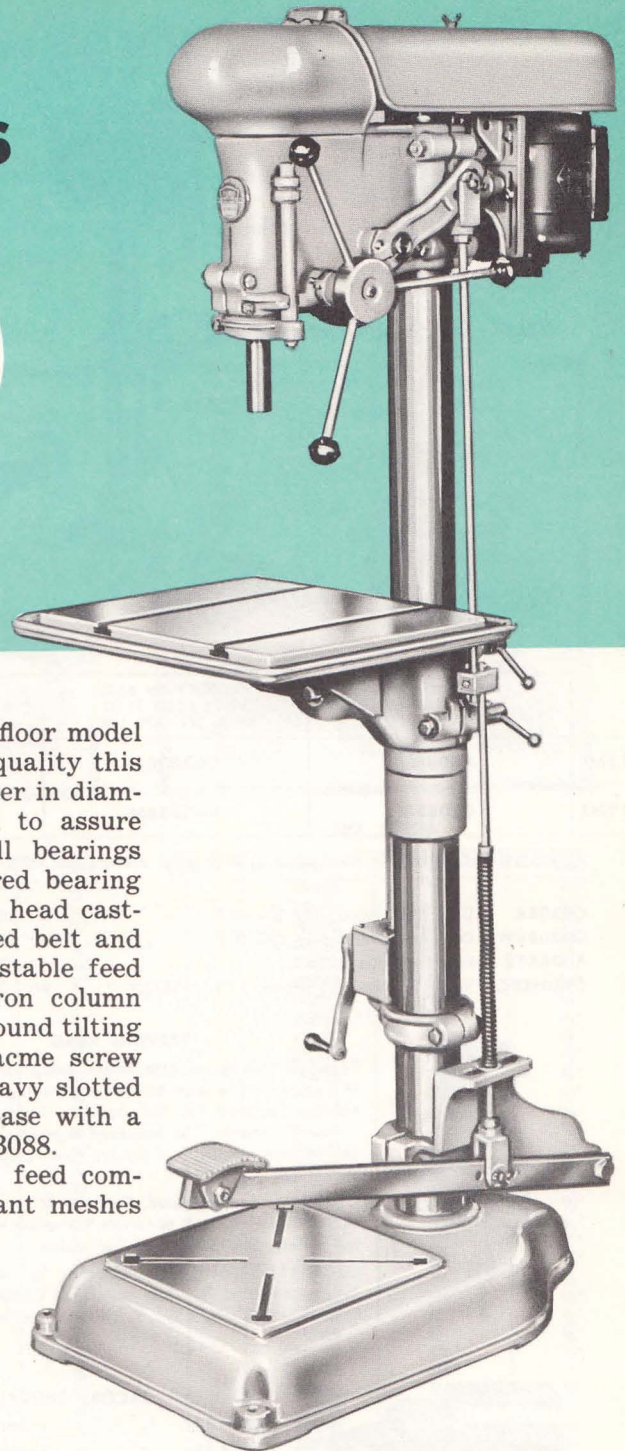
## *Production*

### 18" DRILL PRESS



↑  
**ALDO-MATICS AIR FEED —**  
installation on Duro Drill Press.

←  
**COMMANDER MULTI DRILL HEAD**  
installation on Duro drill press.



Duro offers rugged and modern design in this new 18" floor model Production Drill Press. Built to Duro rigid standards of quality this unit is available in two styles. The alloy steel spindle, larger in diameter than most competitive makes, is precision ground to assure greater accuracy, permanently lubricated precision ball bearings sealed to safeguard against grit and dust, precision bored bearing seats to provide perfect alignment, massive close grained head casting to eliminate vibration, depth stop, sturdy cast hinged belt and pulley guard, motor mount with easy adjustments, adjustable feed tension with pin for positive positioning, heavy cast iron column bracket with locking mechanism supports the precision ground tilting production table, table raising mechanism operates on acme screw actuated by mitre gears, husky 3½" diameter column. Heavy slotted base has three point mounting. For those requiring a base with a machined surface and oil trough order models CG or DG3088.

Models C and CG3088 presses are equipped with foot feed completely assembled at the factory. Foot feed gear quadrant meshes with feed pinion and has a maximum adjustable stroke of 5". Standard models machined for easy installation of foot feed if later purchased as an accessory. **STANDARD EQUIPMENT INCLUDES:** 4 step motor pulley ⅝" bore, belt and pulley guard and 53" V Belt.

### **SPECIFICATIONS...**

Spindle Taper	#2 Morse or #3 M.T.
Capacity in Cast Iron	¾"
Precision Ball Bearings	4
Speed Range with 1725 R.P.M. Motor—	
	450-820-1300-1965
Spindle Travel	5"
Drills to Center of Circle	18"
Max. Dist. Base to Spindle Floor Model	44½"
Max. Dist. Base to Spindle Bench Model	25"

### **3088**

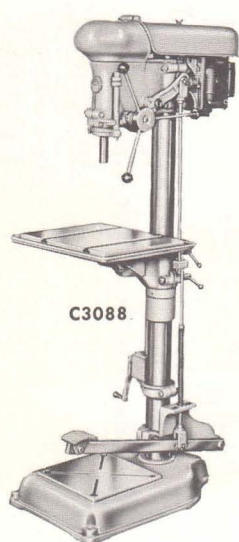
Max. Dist. Table to Spindle Less Foot Feed	20"
Quill Diameter	2½"
Overall Height	69"
Machined Surface of Table	14 x 18"
Machined Surface of Base—CG & DG3088	12" x 12"
Machined Surface of Base — E3088	16" x 18"
Base Size Overall	18" x 28"
Diameter of Column	3½"
Export Boxed—22 Cu. Ft.	Average Wt.—430 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**

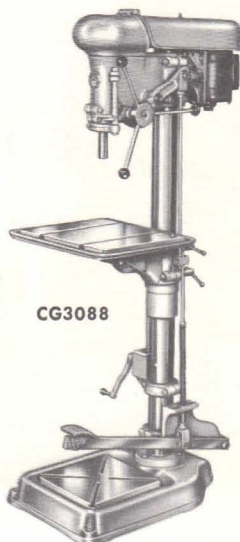


# 18" DRILL PRESS...

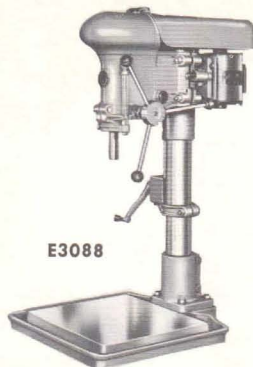
## ORDERING INFORMATION



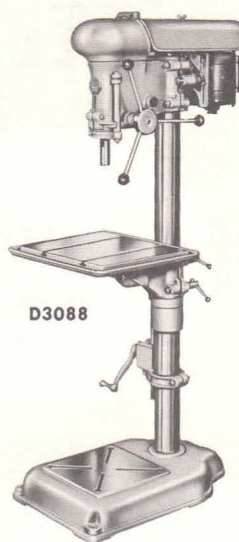
C3088



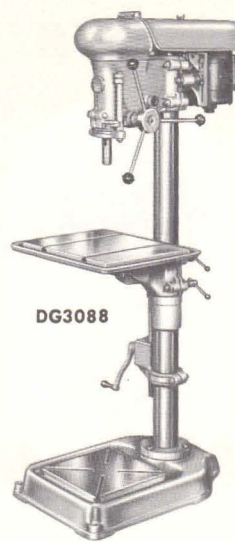
CG3088



E3088



D3088



DG3088

	STANDARD BASE WITH FOOT FEED SHIP. WT. 370 LBS.	PRODUCTION BASE WITH FOOT FEED SHIP. WT. 370 LBS.	BENCH MODEL SHIP. WT. 248 LBS.	STANDARD BASE LESS FOOT FEED SHIP. WT. 310 LBS.	PRODUCTION BASE LESS FOOT FEED SHIP. WT. 330 LBS.	
#2MT	C3088	CG3088	E3088	D3088	DG3088	#2MT
#3MT	C3088M	CG3088M	E3088M	D3088M	DG3088M	#3MT

All models include raising mechanism as illustrated. Motors and switches not included.

**CH3088** Drill Press Head only #2 M.T. ....Wt. 100 lbs.  
**CH3088M** Drill Press Head only #3 M.T. ....Wt. 100 lbs.  
**A308872** Foot Feed Assembly ....Wt. 35 lbs.  
**3920SEBC** 1/2 HP Ball Bearing Motor. 1 Ph., 115/230 V.....Wt. 32 lbs.

**3925SEB** 1/2 HP Ball Bearing Motor. 3 Ph., 220/440 V.....Wt. 29 lbs.  
**3930SEBC** 3/4 HP Ball Bearing Motor. 1 Ph., 115/230 V.....Wt. 41 lbs.  
**3931SEB** 3/4 HP Ball Bearing Motor. 3 Ph., 220/440 V.....Wt. 39 lbs.  
 See Page 44 for Starters and Switches.

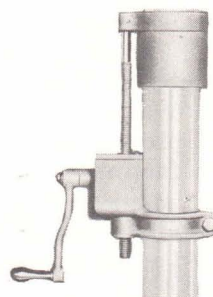


### TAPPING HEAD

Sensitive high speed attachment, adaptable to all Duro 18" presses—precision built—ball bearing—Tru-Grip tap holder, designed for fast accurate tapping, eliminates "chewed" shanks. Tap breakage is practically eliminated due to high sensitivity of double cone, cork-faced friction clutch.

**C308840** Tapping head. Capacity #8 to 5/16" in steel, 3/8" cast iron, 1/2" soft materials. Complete with 7 Tru-Grip tap collets, #8 to 1/2" and 2 wrenches. ....Wt. 10 lbs.

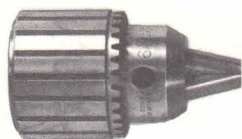
**C308841** Tapping head. Capacity 1/4" to 1/2" in steel, 3/8" in cast iron, 3/4" soft materials. Complete with Tru-Grip collets 1/4", 3/8", 1/2", 5/8" also 2 wrenches. Wt. 14 lbs.



### RAISING MECHANISM

Will fit all drill presses with 3 1/2" diameter column and can be used either under the head or table. Provides greater ease in setting head or table and also serves as a collar. Activated by geared crank handle and has a maximum travel at one setting of 7 3/8".

**C308860** Raising Mechanism  
Wt. 18 lbs.



### JACOBS CHUCKS

**DP3A33** 1/8"-3/8" capacity #33 taper  
**DP6A33** 0"-1/2" capacity #33 taper  
 Replacement Keys for above Chucks  
 3 Fits DP3A33, DP6A33



### CENTER FOR JACOBS CHUCK

One end to fit No. 33 Jacobs Taper Chucks, other end has No. 2 Morse Taper.  
**A0233**—For No. 2 Morse Taper.

### HI-LO SPEED ATTACHMENT



Attachment has machined base which fits 27/8" inside diameter column. Eccentric mounting of balanced pulley permits quick belt release for speed changes. Ball bearing construction. 12 Speeds ranging from 158 to 5625 R.P.M.

**C308865** Attachment includes 28" and 36" V Belts.  
Wt. 7 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**

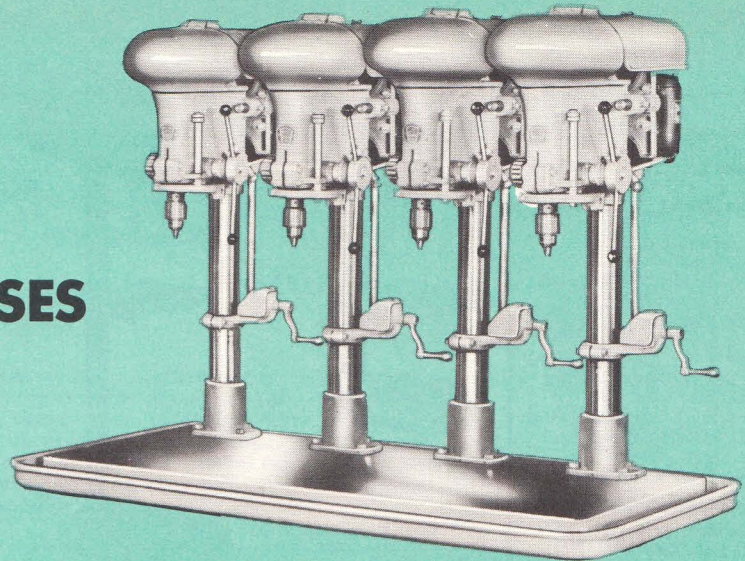


# DURO

*Production*

## 15½" DRILL PRESSES

**BALL BEARING**



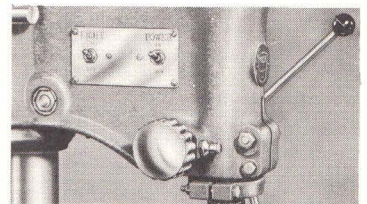
The Duro Production type 1, 2, 3 & 4 spindle drill press of heavy and massive construction includes a variety of models capable of performing precision work. The Duro engineering and modern production methods used in machining these Drill Presses provide smoother trouble-free operation increasing production and reducing production costs.

The massive cast iron head contains a 2" diameter steel quill and a 9 splined precision ground spindle mounted in precision ball bearings that take both radial and thrust loads. The balanced four step pulley, mounted separately from the spindle on a machined steel sleeve, eliminates belt strain and binding.

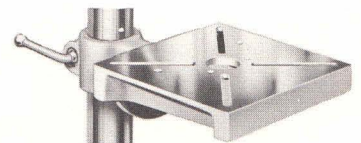
Duro again leads the field by incorporating the new improved Jacobs "Safe-Lock" chuck which has a swiveling lock collar that screws onto the threaded spindle shoulder to provide a more positive drive and fit for the #33 tapered spindle. This design eliminates any possibility of the chuck flying off the spindle. Quill return mechanism provides quick and easy adjustment of desired tension. Dual purpose quill lock also serves as a takeup adjustment to compensate for wear. Positive depth stop, adjustable depth gauge on pinion shaft, built-in switches for light and power and built-in light are only a few of the quality features included.

The motor mount has double support rods to the head and adjust horizontally for belt tension. Slots for mounting motor allow vertical adjustment. The 2¾" diameter rugged steel column is accurately ground to provide the rigid support necessary. Standard and production tables and bases are slotted for holding fixtures.

Production base, with oil groove, has machined work surface whereas standard base has painted work surface.



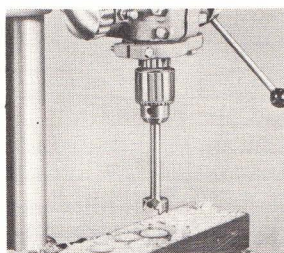
Conveniently located built-in power and light switches as standard equipment are an added Duro quality feature. Note the easily adjustable quill return spring mechanism.



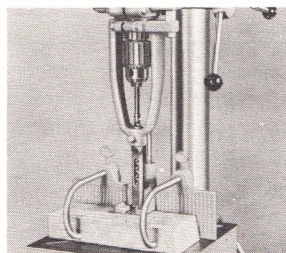
Well ribbed table tilts to 45° either direction. Has index pin to assure angular setting. Slots in table and ledge on each side for convenient clamping of work.

### USE A VERSATILE DURO DRILL PRESS FOR MANY JOBS

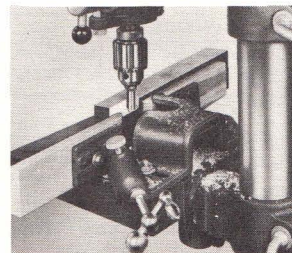
**BORING**



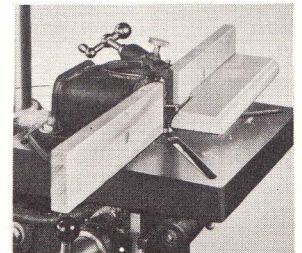
**MORTISING**



**ROUTING**



**SHAPING**



**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



## SPECIFICATIONS

- Capacity in cast iron..... $\frac{5}{8}$ "
- Chuck capacity .....0- $\frac{1}{2}$ "
- Drills to center of...15 $\frac{1}{2}$ " circle
- Bearings .....4 ball
- Spindle Travel .....4 $\frac{3}{4}$ "
- Quill diameter .....2"
- Spindle Taper ....#33 Jacobs†
- Column Diameter .....2 $\frac{3}{4}$ "
- 4 Speeds—(Hi speed models)  
673-1280-2330-4410 R.P.M.
- 4 Speeds—(Lo speed models)  
450-820-1305-1965 R.P.M.

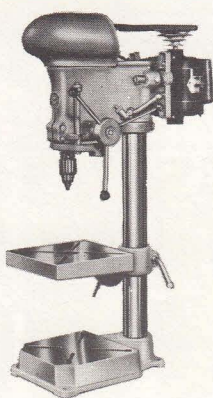
\*Based on 1725 R.P.M. motor.  
RECOMMENDED MOTORS

Regular Duty  $\frac{1}{8}$  HP  
Heavy Duty  $\frac{1}{2}$  HP

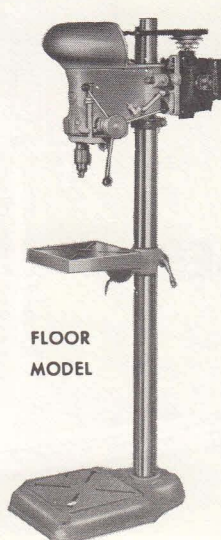
Motors not included.

† #2 MT Spindles (see below)

## 15 $\frac{1}{2}$ " STANDARD MODELS



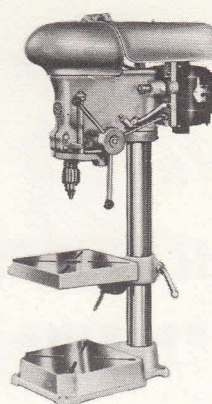
BENCH MODEL



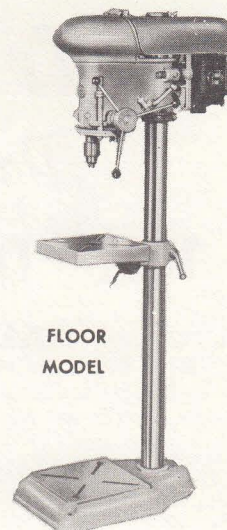
FLOOR  
MODEL

## SLOTTED BASE and TABLE

## 15 $\frac{1}{2}$ " DELUXE MODELS



BENCH MODEL



FLOOR  
MODEL

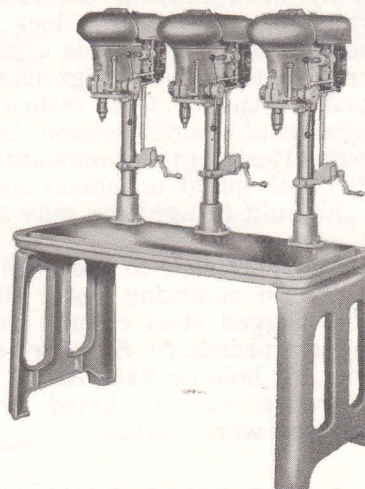
## SLOTTED BASE and TABLE

Speed	HI	LO	HI	LO	HI	LO	HI	LO
Model No.	W3080	WS3080	W3081	WS3081	WW3080	WWS3080	WW3081	WWS3081
Work Surface—Table	10" x 10"		10" x 10"		10" x 10"		10" x 10"	
Work Surface—Base	10" x 10"		11" x 11"		10" x 10"		11" x 11"	
Chuck To Table—Max.	13 $\frac{1}{4}$ "		40 $\frac{3}{4}$ "		13 $\frac{1}{4}$ "		40 $\frac{3}{4}$ "	
Chuck To Base—Max.	17 $\frac{3}{4}$ "		44 $\frac{7}{8}$ "		17 $\frac{3}{4}$ "		44 $\frac{7}{8}$ "	
Ship. Wt.—Domestic	133 lbs. — 135 lbs.		156 lbs. — 158 lbs.		147 lbs. — 149 lbs.		168 lbs. — 170 lbs.	
Export Boxed—Approx.	170 lbs.—10 cu. ft.		220 lbs.—13 cu. ft.		180 lbs.—10 cu. ft.		240 lbs.—13 cu. ft.	

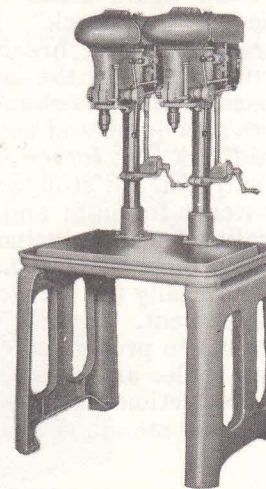
## 15 $\frac{1}{2}$ " MULTIPLE SPINDLE MODELS



4 SPINDLE MODEL



3 SPINDLE MODEL



2 SPINDLE MODEL

Speed	HI	LO	HI	LO	HI	LO
Model No. (Less Legs ★)	4WW3080	4WWS3080	3WW3080	3WWS3080	2WW3080	2WWS3080
Model No. ** (Less Legs ★)	4W3080	4WS3080	3W3080	3WS3080	2W3080	2WS3080
Work Table Size	20 $\frac{1}{2}$ " x 51"		20 $\frac{1}{2}$ " x 51"		19 $\frac{1}{4}$ " x 29"	
Chuck to Table	27"		27"		27"	
Oil Trough	1 $\frac{3}{4}$ " x 2"		1 $\frac{3}{4}$ " x 2"		1 $\frac{3}{4}$ " x 2"	
Center Dist. Spd—Spd	12"		18"		12"	
Ship. Wt. Domestic	775 lbs.		700 lbs.		420 lbs.	
Export Boxed—Approx.	1275 lbs.—40 cu. ft.		1200 lbs.—30 cu. ft.		670 lbs.—20 cu. ft.	

\*\*These models same as illustrated less belt guard and raising mechanism.

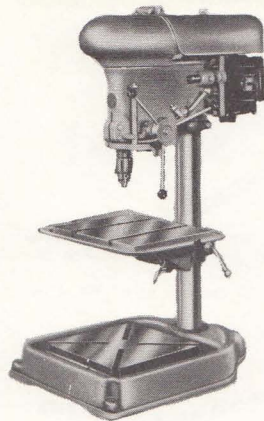
★ For Floor Model Multi Spdles. order 2R308003 Legs.

† #2 Morse Taper Spindles (less chuck) available—Specify on order.

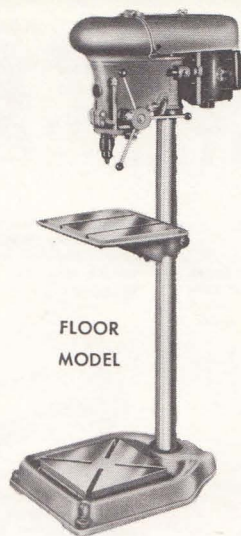
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



## 15½" PRODUCTION MODELS



BENCH MODEL

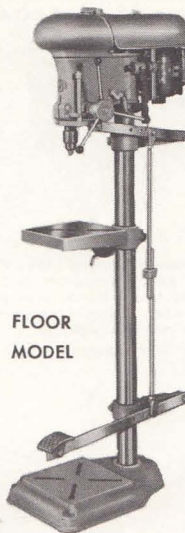


FLOOR  
MODEL

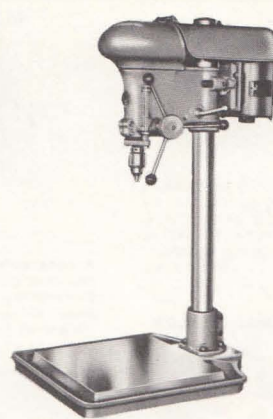
### PRODUCTION BASE and TABLE

HI	LO	HI	LO
WP3080	WPS3080	WP3081	WPS3081
11" x 14"		11" x 14"	
12" x 12"		12" x 12"	
13¼"		40¾"	
17¾"		44¾"	
217 lbs. — 219 lbs.		221 lbs. — 223 lbs.	
250 lbs.—10 cu. ft.		345 lbs.—13 cu. ft.	

## FOOT FEED — MODEL — BENCH



FLOOR  
MODEL



BENCH MODEL

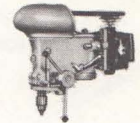
### SLOTTED BASE-TABLE PROD. BASE-TABLE

HI	LO	HI	LO
WF3081	WFS3081	1WW3080	1WWS3080
10" x 10"			
11" x 11"		16" x 18"	
40¾"			
44¾"		26¾"	
194 lbs. — 196 lbs.		211 lbs. — 213 lbs.	
260 lbs.—13 cu. ft.		300 lbs.—18 cu. ft.	

## Standard Equipment

- ★ Built-in Light
- ★ Built-in Light Switch
- ★ Built-in Motor Switch
- ★ Jacobs "Safe-Lock" Chuck
- ★ Column Collar
- ★ 4 Step Motor Pulley
- ★ V-Belt
- ★ Belt Guard (Except "Standard" Models)

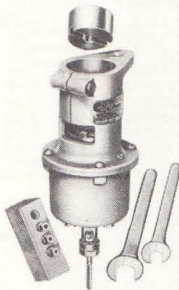
### DRILL PRESS HEADS



- WH3080** Hi-Speed  
Head only.....Wt. 65 lbs.  
**WHS3080** Lo-Speed  
Head only.....Wt. 67 lbs.

## ACCESSORIES

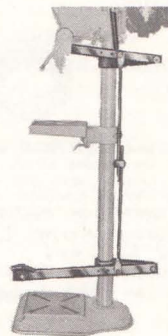
### TAPPING HEAD



This sensitive high speed attachment, adaptable to all Duro 15½" presses, is a precision built ball bearing unit designed for faster and more accurate tapping. Tap breakage is practically eliminated due to high sensitivity of double cone, cork-faced friction clutch. Capacity #2 to 3/16" in steel, ¼" in softer materials. Complete with 4 Tru-Grip collets.

**W308040** Tapping Head  
.....Wt. 5 lbs.

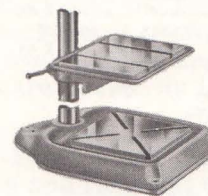
### FOOT FEED



Foot feed attachment adaptable to all Duro 15½" floor models. A useful accessory for production jobs enabling operator to have both hands free. Length of stroke adjustable as desired. For complete unit order:

**W308140** Foot feed attachment.....Wt. 25 lbs.

### PRODUCTION TABLE AND BASE



Production oil table and base for Duro 15½" drill presses. Ideal for production work with jigs and fixtures. Will fit drill presses with 2¾" diameter column.

**W 308135** Production Table Assembly  
.....Wt. 38 lbs.  
**F308101** Production Base Assembly  
.....Wt. 75 lbs.

### HI-LO SPEED ATTACHMENT

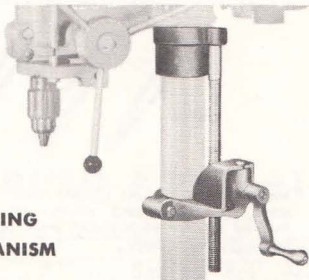


Attachment has machined base which fits inside 2½" diameter column. Eccentric mounting of balanced pulley permits quick belt release for speed changes. Ball bearing construction. 12 speeds. On Hi-speed models, 235 to 12,600 R.P.M. On Lo-speed models, 158 to 5625 R.P.M.

**W308080** Attachment includes.....27" & 28" V Belts for Hi-speed presses.....Wt. 6 lbs.  
**WS308080** Attachment includes.....27" & 32" V Belts for Lo-speed presses.....Wt. 6 lbs.

NOTE: Speeds above 5000 R.P.M. should only be used occasionally to prevent excessive bearing wear.

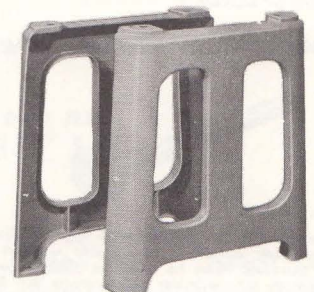
### RAISING MECHANISM



Will fit all drill presses with 2¾" diameter column. This accessory provides greater ease in raising either the head or drill press table by turning the geared crank handle. Maximum travel at one setting is 10".

**W308070** Raising Mechanism.....Wt. 12 lbs.

### CAST IRON LEGS



For use with two, three and four spindle presses. Sturdy well-ribbed support for multi-spindle units.  
**2R308003** Set of 2 legs.....Wt. 188 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# ACCESSORIES... SHAPING — ROUTING — SANDING — MORTISING — TAPPING — BORING

## BELT GUARD



The Duro belt guard is easily attached and simple to adjust. Gives operator added protection by complete coverage of exposed belts and pulleys. Made of high grade grey iron and hinges to pulley guard for raising when changing speeds. **W308021** for 15 1/2" presses .....Wt. 10 lbs.

## MORSE TAPER ADAPTOR



A useful accessory when using drills with #1 Morse Taper shank. Replaces regular chuck with #33 Jacobs taper. Precision ground to assure accurate fitting.

**L308021** ...Wt. 1 lb.

## COLUMN COLLAR



Cast iron split collar for 2 3/4" diameter columns. For use under head or table and permits either to swivel.

**W308115** ....Wt. 3 lbs.

## SANDING

### DRUMS



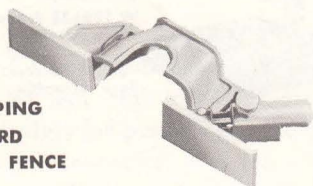
Expanding rubber drum for sanding straight or irregular shaped wood. **308625** 2 5/16" dia. x 3" long & 13/32" dia. shank.....Wt. 1 lb. **308630** 1 5/8" dia. x 3" long & 1/2" dia. shank.....Wt. 1 lb.

### SLEEVES



No lap sanding sleeves for drums shown at left. When ordering, specify fine, medium or coarse grit. **325201** for 308625 drum.....Wt. 2 oz. **325202** for 308630 drum.....Wt. 2 oz.

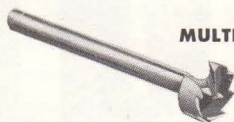
## SHAPING GUARD AND FENCE



A useful accessory required for shaping on the drill press. Made of grey iron, fence has two hardwood face panels. One face adjustable forward or backward.

**D309103**—Fence Assembly .....Wt. 9 lbs.

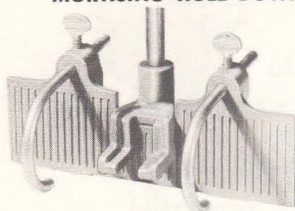
## MULTI SPUR BITS



Fine quality steel tempered and polished. Drill straighter, smoother and faster without clogging or burning. Can be used on difficult jobs where ordinary bits will not do. Average Wt. 8 oz.

**359803**—5/8" **359806**—1" **359804**—3/4" **359807**—1 1/8" **359805**—7/8" **359808**—1 1/4" **359809**—1 1/2"

## MORTISING HOLD-DOWN



A necessary accessory when converting drill press for mortising. Assures accurate and straight cuts for mortise and tenon joints, also prevents wood from lifting when chisel is raised from work. Height of hold-down adjustable.

**W308065**—for 15 1/2" presses.....Wt. 7 lbs.

## DRILL PRESS VISES



Stationary type vise **A3190** and adjustable angle vise **A3191** are of cast iron construction. Angle vise quickly adjusts to 90°—has graduations on side. Both models have hardened steel grooved jaws 2 1/2" wide, 1 1/2" deep which open 2 1/2" on fine pitch screw.

**A3190** Drill Press Vise.....Wt. 6 lbs.

**A3191** Angle Vise .....Wt. 10 lbs.

## SHAPER ADAPTOR



For use in converting 14" and 15 1/2" Duro drill presses for shaping. With the Jacobs Chuck removed, adaptors fit onto spindle nose and are held securely by retainer. (When adaptors are used on 15 1/2" presses, be sure to order **W308013**.)

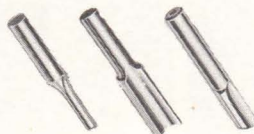
**L308067**—Adaptor for 1/2" bore cutters.....Wt. 8 oz.

**L308068**—Adaptor for 5/16" bore cutters.....Wt. 8 oz.

**W308013**—Retaining collar (for 15 1/2" presses)

1-1/16—20 Thread .....Wt. 8 oz.

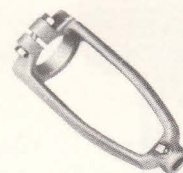
## ROUTER BITS



Made of the highest quality steel properly hardened, tempered and sharpened. Cutting faces backed off, for high speed work in wood.

Number	Type	Shank	Size
<b>353001</b>	Single Lip	1/4"	1/8"
<b>353007</b>	Single Lip	1/4"	3/16"
<b>353002</b>	Single Lip	1/4"	1/4"
<b>353003</b>	Double Lip	1/2"	3/8"
<b>353004</b>	Double Lip	1/2"	1/2"
<b>353005</b>	Double Lip	1/2"	5/8"
<b>354004</b>	Cove	5/16"	1/2"

## MORTISING HEAD



View shows head for use on 1 3/4" or 2" diameter quill. Regular Jacobs Chuck used for holding low chisel bits.

**W308064** for 1 3/4" or 2" diameter quill. ....Wt. 4 lbs.

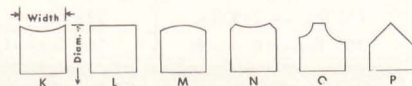
## HOLLOW CHISELS & BITS



Correctly hardened and tempered—chisels are of special analysis tool steel and bits are special alloy steel assuring long life for accurate and square cut mortising work. Bits are ground with proper clearance to insure smoother running. Average Wt. 8 oz.

Chisels	Bits
<b>359601</b> —1/4"	<b>359701</b> —1/4"
<b>359603</b> —3/8"	<b>359703</b> —3/8"
<b>359604</b> —1/2"	<b>359704</b> —1/2"

## SHAPER CUTTERS—5/16" BORE



No.	Width	Dia.	No.	Width	Dia.
<b>K350101</b>	.177"	.950"	<b>M350604</b>	.442"	1.13"
<b>K350102</b>	.264"	.950"	<b>M350801</b>	.194"	1.13"
<b>K350103</b>	.354"	.950"	<b>M350802</b>	.260"	1.20"
<b>K350104</b>	.442"	.950"	<b>N350201</b>	.221"	.994"
<b>L350401</b>	.125"	.950"	<b>N350202</b>	.442"	1.03"
<b>L350402</b>	.156"	.950"	<b>N350301</b>	.303"	1.09"
<b>L350403</b>	.187"	.950"	<b>N350302</b>	.388"	1.16"
<b>L350404</b>	.250"	.950"	<b>O350701</b>	.282"	1.18"
<b>L351001</b>	1.000"	1.25"	<b>O350702</b>	.344"	1.24"
<b>M350601</b>	.177"	1.02"	<b>O350501</b>	.442"	1.25"
<b>M350602</b>	.264"	1.06"	<b>P350901</b>	.177"	1.12"
<b>M350603</b>	.354"	1.09"	<b>P350902</b>	.282"	1.23"

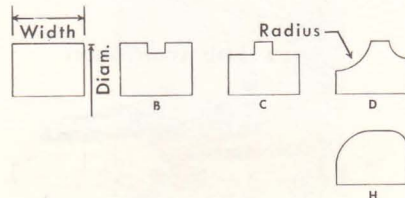
**No. 3500B**—Set of 24 cutters and 6 depth washers packed in neat box.

Ship. Wt. ....4 lbs.

**No. 3590A**—Set of 6, 5/16" Depth Collars.

Ship. Wt. ....1 lb.

## SHAPER CUTTERS—1/2" BORE



Number	Dia.	Width	Radius
<b>B352002</b>	1 3/4"	1"	
<b>C352003</b>	1 3/4"	1"	
<b>D352004</b>	1 3/4"	1"	1/2" & 1/4"
<b>H352008</b>	1 3/4"	1"	1/2" & 1/4"

**No. 3591A**—Set of 6, 1/2" bore Depth Collars.

Ship. Wt. ....1 lb.

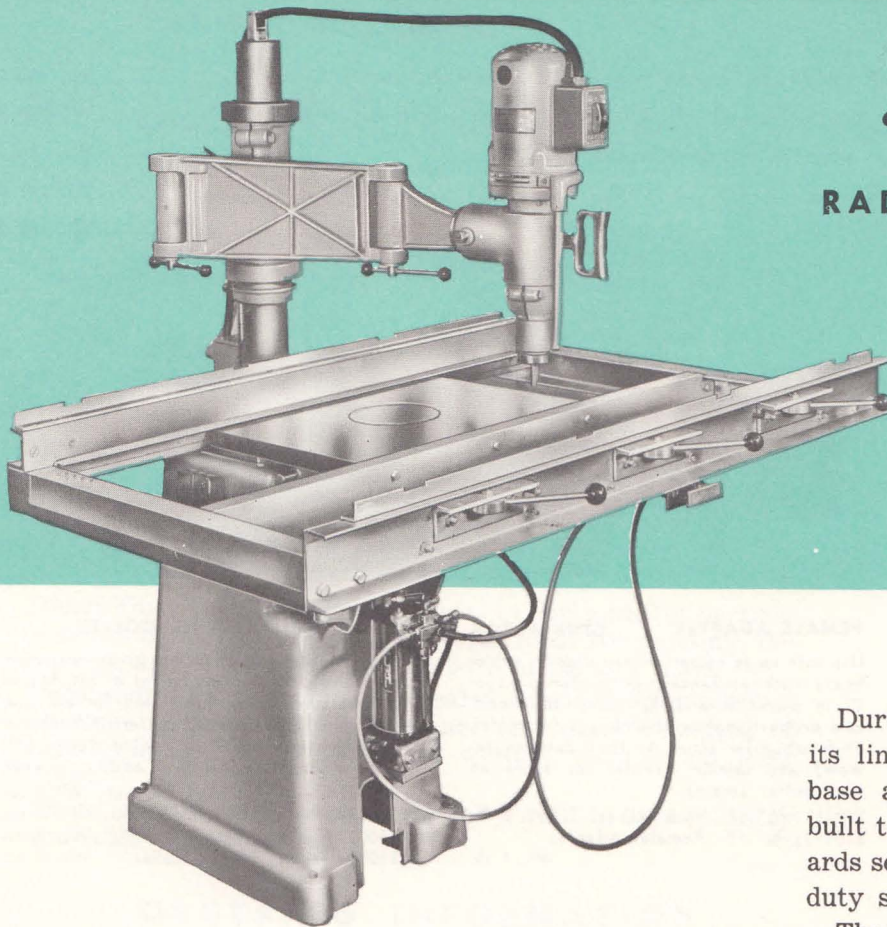
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# DURO

## *High Speed*

### RADIAL ARM ROUTER



Duro adds a Radial Arm Router to its line of high speed routers. The base assembly and power unit are built to the same specification standards set up in the field proven, heavy duty stationary router.

The power unit is the universal type 220V AC DC motor having 2300

watts maximum output. Precision ball bearings support armature and spindle and built in fan provides circulation for motor, as well as chip removal. The spindle nose is equipped with a ball bearing template guide.

The swivel arm extends 36" and is equipped with anti-friction needle bearings at pivot points, Post Bracket swivels 360° on 3½" column and has large roller bearings for smooth action. Raising mechanism used to raise and lower swivel arm and head assembly, permits ease in setting.

A template frame (Illustrated) made of heavy gauge aluminum is bolted to main table and equipped with cam action locks for instant locking and releasing. Template frame not included with router. Collet chuck and arbors available at additional cost.

### **SPECIFICATIONS...** DURO A-B3105 RADIAL ARM ROUTER

Spindle Speed, No Load	16,000 R.P.M.
Maximum Motor Power Output 3 H.P.	2300 Watts
Chuck Capacity (Chuck extra)	½"
Spindle	Threaded 1⅜"-12
Bearings (Motor)	4 Precision Ball
Max. Head Travel, Up and Down	8"
Max. Distance Center of Spindle to Column	36"
Effective area of operation is within radii	from 5½" to 36"
Center of Table to Column	12"
Swivel Arm Pivot Points	Needle Bearings

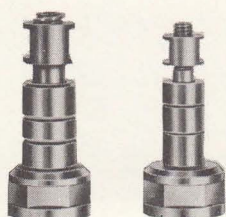
Center of Spindle to End of Guide Bearing (Set Back)	13⅛"
Work Table Size	22" x 17"
Max. Table Travel, One Stroke	3"
Template Frame Width	51"
Template Frame Depth Adjustment	28" to 36"
Table Mounting to Base	Dovetail Ways with Gibs
Overall Height 61¾"	Width 22"
Depth 33½"	
Export Boxed—A3105	45 Cu. Ft. 800 lbs.
Export Boxed—B3105	45 Cu. Ft. 800 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



## ORDERING INFORMATION AND ACCESSORIES...

<b>A3105</b>	Radial Arm Router with Airlift Table—less Template Frame—Less Arbors—Adaptors & Collets.....	Wt. 750 lbs.
<b>B3105</b>	Radial Arm Router with Foot Control Table—less Template Frame—Less Arbors—Adaptors & Collets.....	Wt. 750 lbs.
<b>3101130</b>	Router Motor & Housing Unit only—less Arbors—Adaptors & Collets.....	Wt. 35 lbs.
<b>3101137</b>	Single Open End Wrench 1 $\frac{5}{8}$ " .....	Wt. 1 $\frac{1}{2}$ lbs.
<b>310580</b>	Aluminum Template Frame .....	Wt. 80 lbs.

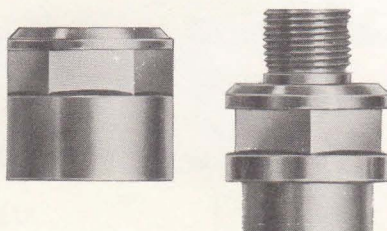


### ARBORS FOR SHAPING

For use with solid shaping cutters for edge cutting or shaping with the router. Arbors made of chrome-nickel heat treated steel. Supplied with 3 spacing collars 1/2", 5/8" 3/4" high.

3101132-1/2" — for 1/2" bore cutters  
Wt. 1 $\frac{1}{2}$  lbs.

3101132-3/4" — for 3/4" bore cutters  
Wt. 2 lbs.



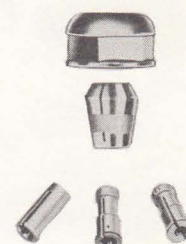
### FEMALE ADAPTER

Use with large cutters where a deep cut or heavy work resistance is encountered—over 2" in diameter and 3/4" deep for wood, and proportionately smaller cut for metal. Stub arbor for screw on type cutters (female) and female adapter for screw on type cutter (male).

3101131-3/4"-12 Stub Arbor...Wt. 1 lb.  
3101133-3/4"-12 Female Adapter

.....Wt. 1 lb.

### STUB ARBOR



### DOUBLE CONE COLLET

The double taper collet gives maximum grip and precision alignment of bit. Makes cutters easy to change. Used for all type straight shank bits and cutters. Chuck nut included with collet. Reducing sleeve collets as shown available at additional cost.

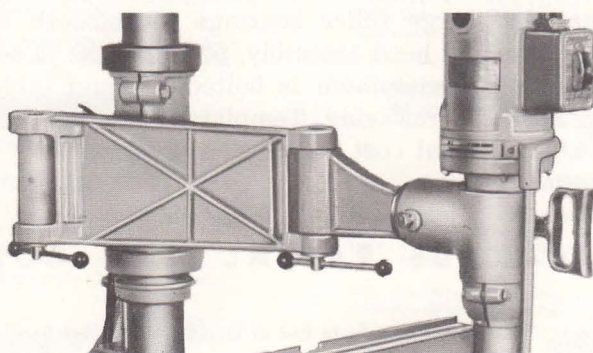
3101134 — 1/2" Collet and nut...Wt. 1 lb.

3100133 — 1/4" Sleeve Collet...Wt. 6 oz.

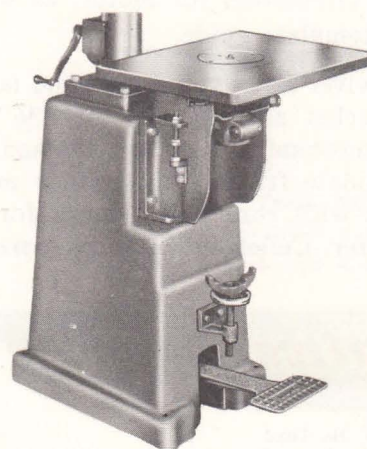
3100134 — 5/16" Sleeve Collet...Wt. 6 oz.

310052 — 3/8" Sleeve Collet...Wt. 6 oz.

## FEATURES



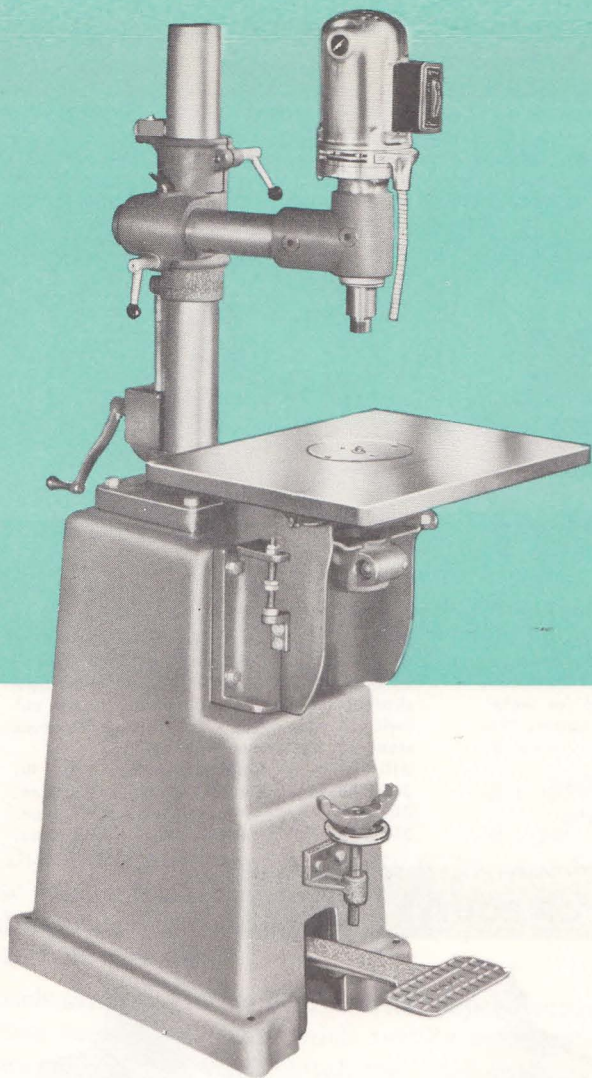
View shows close up of radial arm feature. All sections of arm are made of cast iron, well ribbed for rigidity. All pivot points equipped with anti-friction needle bearings for smooth and easy operation when making straight line cuts as well as contouring.



Above photo shows 22" x 17" work table furnished with the Radial Arm Router. Foot operated raising mechanism for table is standard equipment with the B3105 model.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**





**MODEL 3101**

DURO offers the New model 3101 heavy duty high speed router for wood, plastics, aluminum and related metals. The rugged construction and selective designing permits this machine to be readily converted to a shaper. Precision machining assures efficient and trouble-free operation, lower production costs plus highest quality work and better finished products.

The power unit is the universal type 220V AC DC motor, built to rigid specifications having

# DURO

## *Heavy Duty*

# ROUTER-SHAPER

2300 watt maximum output. Armature and spindle are supported on precision ball bearings and built-in fan provides circulation for motor as well as chip removal. Power unit can be changed easily from "overhead" to under table position for shaping operations.

Power unit (or head) rotates 360° on its horizontal support arm as well as the vertical cast iron column. Slotted column and positioning pin permit quick centering of head to table. Head raising mechanism provides ease in setting. Large cast iron table tilts to 45° and is raised or lowered by treadle into which is built an override feature, eliminating set-down of table.

Massive table is supported on cast iron knee which travels smoothly on dovetailed ways which are provided with gibs for easy take-up adjustment. Stops are provided for table positioning.

A plate and six guide pins for routing are included as standard equipment, as well as two throat plates for shaping.

The heavy cast iron construction of the 3101 leaves nothing to be desired in a high speed router.

## SPECIFICATIONS...

## DURO 3101 ROUTER SHAPER

Spindle speed, no load	16,000 R.P.M.
Maximum Motor power output	2300 Watts
Chuck Capacity for routing	1/2"
Spindle	Threaded 1 3/8"-12
Bearings	4 Precision Ball
Max. head travel, up and down	13"
Max. distance center of spindle to column	13"
Center of table to column	12"

Work Table Size	22" x 17"
Table Tilts to front	45°
Max. Table travel, one stroke	3"
Table Mounting to base	dovetail ways with gibs
Adjustable steel overarm	2 3/4" dia. x 14" long
Overall height 61 3/4"	width 22" depth 33 1/2"
Shipping Weight	630 lbs.
Export Boxed	30 cu. ft. 780 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



## ORDERING INFORMATION AND ACCESSORIES...

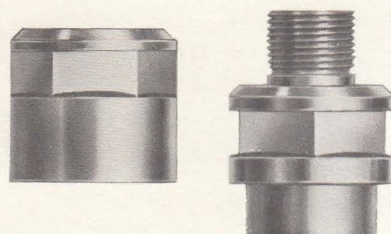
3095	Shaper Unit Less Overarm, Column & Raising Mechanism Less Arbors, Collets & Adaptors.....	Wt. 510 lbs.
3101	H.D. Router Shaper with 1/2" Collet, 1/4", 5/16", 3/8" Sleeves & Nut—Less Shaping Arbors.....	Wt. 640 lbs.
3101130	H.D. Motor & Housing Unit Only.....	Wt. 35 lbs.
3101120	Shaper Guard & Fence Assembly.....	Wt. 16 lbs.
3101137	Single Open End Wrench 1 5/8" (Included with 3101).....	Wt. 1 1/2 lbs.



### ARBORS FOR SHAPING

For use with solid shaping cutters for edge cutting or shaping with the router. Arbors made of chrome-nickel heat treated steel. Supplied with 3 spacing collars 1/2", 5/8", 3/4" high.

- 3101132-1/2" — for 1/2" bore cutters  
Wt. 1 1/2 lbs.
- 3101132-3/4" — for 3/4" bore cutters  
Wt. 2 lbs.

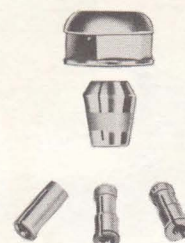


### FEMALE ADAPTER

### STUB ARBOR

Use with large cutters where a deep cut or heavy work resistance is encountered—over 2" in diameter and 3/4" deep for wood, and proportionately smaller cut for metal. Stub arbor for screw on type cutters (female) and female adapter for screw on type cutter (male).

- 3101131-3/4"-12 Stub Arbor...Wt. 1 lb.
- 3101133-3/4"-12 Female Adapter  
.....Wt. 1 lb.

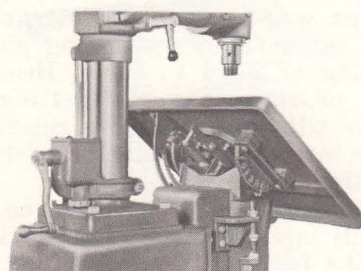


### DOUBLE CONE COLLET

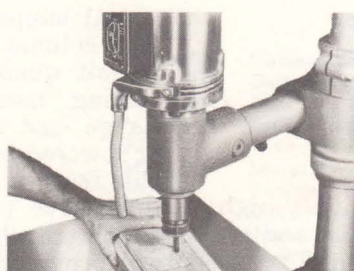
The double taper collet gives maximum grip and precision alignment of bit. Makes cutters easy to change. Used for all type straight shank bits and cutters. Chuck nut included with collet. Collet, nut and sleeves standard equipment with 3101.

- 3101134 — 1/2" Collet and nut...Wt. 1 lb.
- 3100133 — 1/4" Sleeve Collet...Wt. 6 oz.
- 3100134 — 5/16" Sleeve Collet...Wt. 6 oz.
- 310052 — 3/8" Sleeve Collet...Wt. 6 oz.

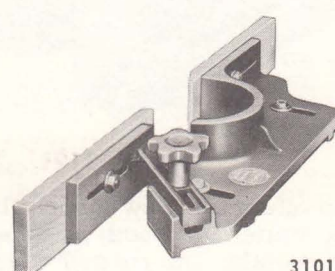
## VIEWS SHOWING FLEXIBILITY OF ROUTER-SHAPER



View shows head raising mechanism, adjustable stops, tilt indicator, disappearing guide pin assembly and rugged under table construction.

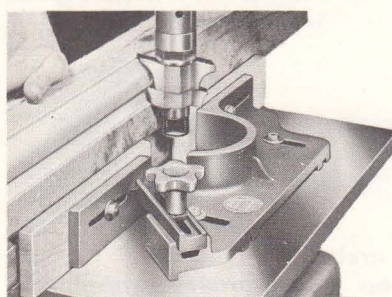


Routing with small size cutters can be done very efficiently on the Duro 3101. Note the safety type switch and flexible blower cable for chip removal.



3101120

Heavy cast fence with adjustable hardwood faces. One face stationary, other face adjustable "inward and outward" allowing shaping to be done from either direction. Fence measures 27" long x 2 1/2" high.

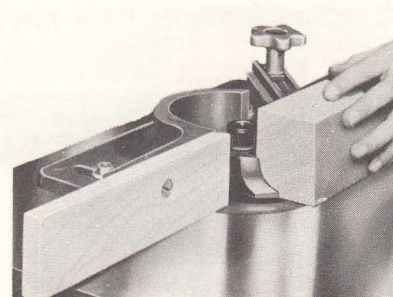


Versatility of the Duro 3101 permits easy stacking of shaper cutters for shaping with the machine head above the table.



3095

Removal of motor from over arm for under the table position is quickly and easily accomplished. No additional parts required to make this conversion.



Above view shows the compactness of the Duro 3101 as a shaper. Nothing more to be desired as a high speed production unit.

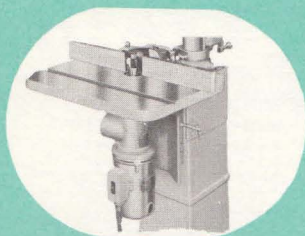
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



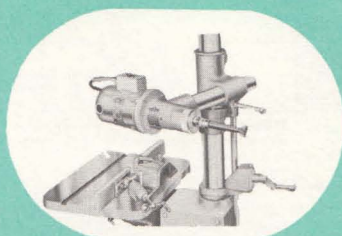
# DURO

## ROUTER-SHAPER

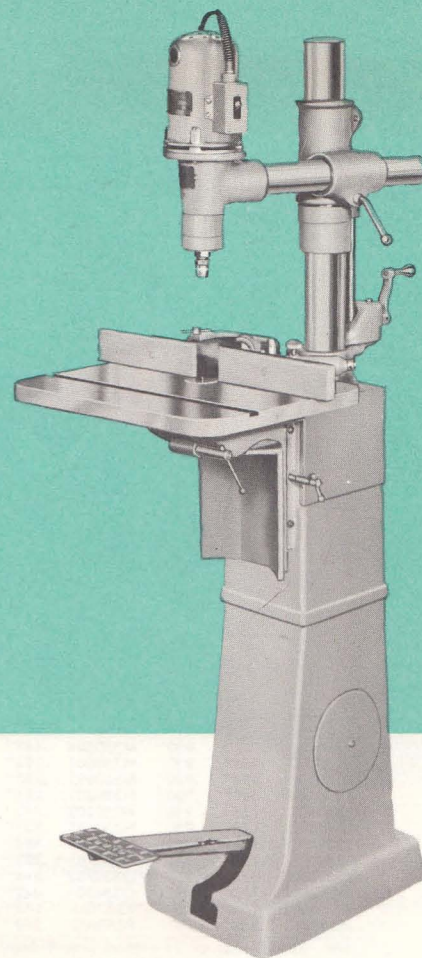
### CARVER



SHAPING



CARVING



A most versatile machine that can be used for routing, shaping or carving. The motor unit can be changed from routing to shaping or carving position in less than 30 seconds. A universal type (AC-DC) heavy duty motor is built into the head and is available in either 110V or 220V. Raising mechanism for lowering and raising motor is included. Standard equipment includes: collet chuck for 1/2" shank bits (plus sleeve collets for 1/4", 5/16", 3/8" diameter bits); carving spindle; shaper adaptors for 5/16" and 1/2" bore cutters; six guide pins 1/8" to 1/2"; four wrenches and shaper guard & fence.

The motor assembly with standard equipment listed at left, less guard and fence, available as separate unit in 110 or 220 Volt models. An ideal unit for special applications.

### ORDERING INFORMATION ...

<b>A3100</b>	Router, Shaper, Carver, 110V	Wt. 263 lbs.
<b>310070</b>	Motor only, 110V, adaptors, wrenches, etc.	Wt. 28 lbs.
<b>AB3100</b>	Router, Shaper, Carver, 220V	Wt. 263 lbs.
<b>310065</b>	Motor only, 220V, adaptors, wrenches, etc.	Wt. 28 lbs.
<b>B302370</b>	Mitre Gauge	Wt. 2 lbs.
<b>309035</b>	Hold Down Attachment	Wt. 4 lbs.

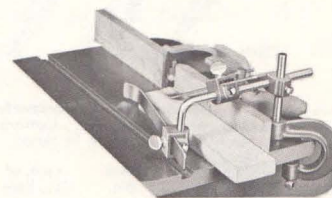


Illustration shows 309035 Hold Down in use for shaping operations. Support bar allows ample adjustment for thickness of material, 8 1/2" extension bar gives adequate width capacity.

### SPECIFICATIONS ...

Spindle speed, no load	20,000 r.p.m.
Motor power, output 1.6 H.P.	1200 watts max.
Chuck capacity, routing	1/4", 5/16", 3/8", and 1/2"
Spindle adaptors for	5/16" and 1/2" bore shaping cutters
Bearings	4 Precision Ball
Max. Distance, Center of Spindle to column	13"
Work Table size	18" x 14"
Adjustable steel arm	2" diam., 14" long
Max. Dist. Spindle Nose to Table	12"

### DURO A-AB3100 ROUTER

Table mounting to base	dovetail ways with gib take-up
Center of table to column	9 1/8"
Max. Head Travel up and down	8 1/2"
Table travel	1 3/8"
Distance Floor to Table	34 3/4"
Fence size	20" long, 2 1/4" high
Overall height 54"	width 21" depth 30"
Shipping Weight	263 lbs.
Export Boxed	26 cu. feet 350 lbs.

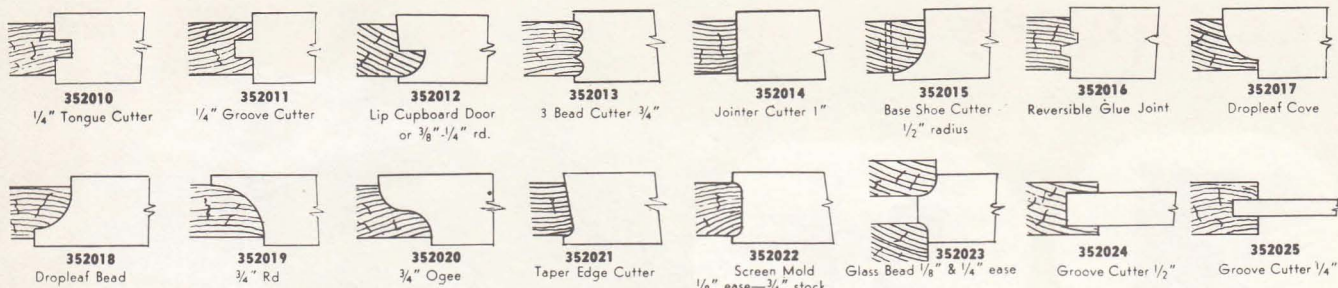
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



## ACCESSORIES...

### SHAPER CUTTERS—1/2" BORE

3 wing shaper cutters are made of special alloy steel, precision machined and finish ground. Scientific hardening and tempering insures long lasting cutting edges. 352024 is 1/2" wide, 352025 1/4" wide, all others 1" wide. 352019 and 352020 are 2 1/2" diameter, all others 2" diameter. Use 3591A Set 6 depth collars.



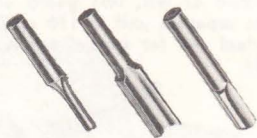
### SHAPER CUTTERS—5/16" BORE

No.	Width	Dia.	No.	Width	Dia.
K350101	.177"	.950"	M350604	.442"	1.13"
K350102	.264"	.950"	M350801	.194"	1.13"
K350103	.354"	.950"	M350802	.260"	1.20"
K350104	.442"	.950"	N350201	.221"	.994"
L350401	.125"	.950"	N350202	.442"	1.03"
L350402	.156"	.950"	N350301	.303"	1.09"
L350403	.187"	.950"	N350302	.388"	1.16"
L350404	.250"	.950"	O350701	.282"	1.18"
L351001	1.000"	1.25"	O350702	.344"	1.24"
M350601	.177"	1.02"	O350501	.442"	1.25"
M350602	.264"	1.06"	P350901	.177"	1.12"
M350603	.354"	1.09"	P350902	.282"	1.23"

No. 3500B—Set of 24 cutters and 6 depth washers packed in neat box.  
Ship. Wt. ....4 lbs.

No. 3590A—Set of 6, 5/16" Depth Collars.  
Ship. Wt. ....1 lb.

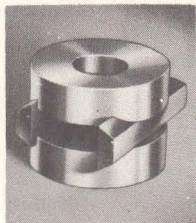
#### ROUTER BITS



Made of the highest quality steel properly hardened, tempered and sharpened. Cutting faces backed off, for high speed work in wood.

Number	Type	Shank Dia.	Lgth. of Cut. Edge	Bit Dia.
353001	Single Lip	1/4"	7/8"	1/8"
353007	Single Lip	1/4"	7/8"	3/16"
353002	Single Lip	1/4"	1"	1/4"
353003	Double Lip	1/2"	1 3/8"	3/8"
353004	Double Lip	1/2"	1 1/2"	1/2"
353005	Double Lip	1/2"	1 1/16"	5/8"
354004	Cove	5/16"	3/4"	1/2"

#### SPLIT SHAPER COLLARS

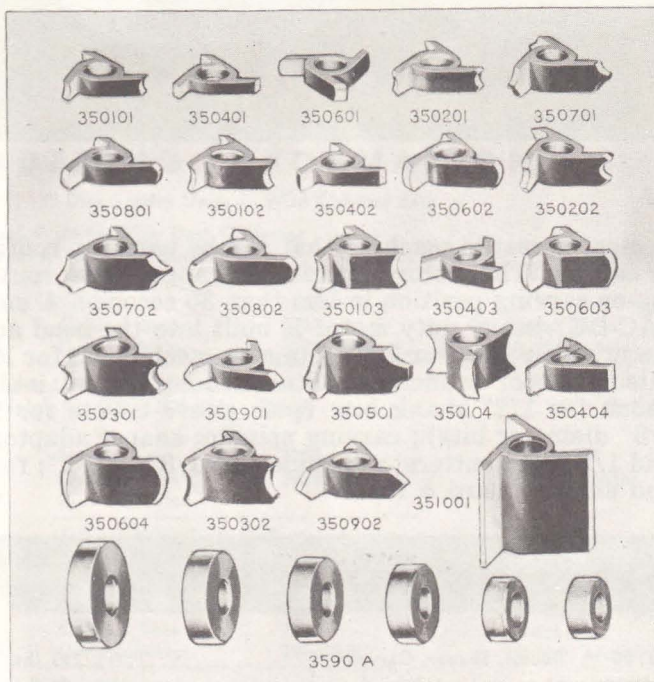


Two beveled edge shaper knives are clamped between collars. Knives are of high speed steel, hardened, tempered, and ready to grind to design required. Each knife is 2 1/8" long x 3/16" thick.

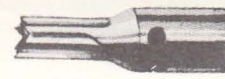
356001—Pair of Shaper Collars, 1 3/4" diam., 1/2" bore

356002—Knife Blank, 1/2" wide—each.

356004—Knife Blank, 1" wide—each.



### CARVER CUTTERS



Highest quality heat treated steel. Cutters have 3/8"—24 threads to fit all standard carving spindles.

No. 355004—Hook Tool, Out. Diam. Cutter ..... 25/32"

No. 355005—Half Round, Out. Diam. Cutter ..... 13/16"

No. 355006—Button Drill, Out. Diam. Cutter ..... 13/32"

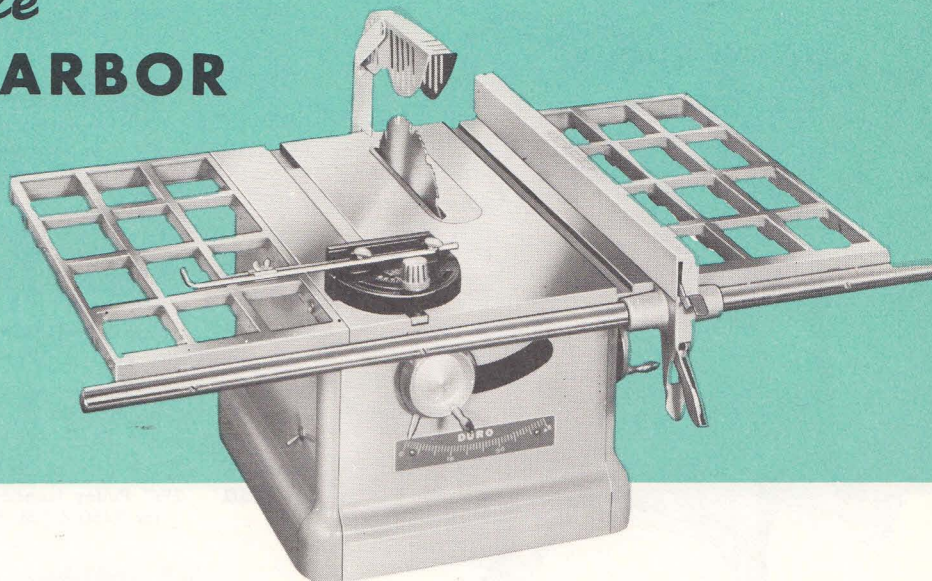
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# DURO

## *DeLuxe*

### 9" TILTING ARBOR SAW



**MODEL PG3012**

Here is another great value in a tilting arbor saw. Compare this new tool feature for feature and you will find that in quality, design and capacities Duro brings you a leader. The saw spindle is mounted on precision ball bearings—table with versatile grided cast iron extensions measures 20 $\frac{1}{4}$ " x 34"—both extensions can be bolted together to be used on right side of blade. Maximum cut at 90° is a full 2 $\frac{7}{8}$ " with 9 $\frac{5}{8}$ " of table surface ahead of blade.

Has handwheel controls for arbor and blade raising mechanism permitting easy and accurate adjustments. Arbor tilting is activated by screw mechanism. Base is of sturdy one piece construction to eliminate vibration. Switch mounts con-

veniently in base, yet out of the way to insure greater safety.

The newly designed motor mount, furnished as standard equipment, provides for easy mounting of the motor. This new arrangement incorporates a floating motor drive so that belt tension is self-adjusting as the saw arbor is raised or lowered.

The improved Duro dual locking fence is locked both front and rear by controls located at the front of the fence.

Standard equipment includes: 9" combination saw blade, mitre gauge with cut off rods, rip fence, saw guard, special motor mount and grided extensions. Switch, dado and moulding head table insert available at slight additional cost.

## **SPECIFICATIONS . . . DURO PG3012—9" TILT ARBOR SAW**

Maximum cut at 90°	2 $\frac{7}{8}$ "
Maximum cut at 45° (thickness of stock)	2"
Main table size	20 $\frac{1}{4}$ " x 15"
Table with extensions	20 $\frac{1}{4}$ " x 34"
Spindle bearings	Precision Ball
Distance ahead of blade	9 $\frac{5}{8}$ "
Maximum distance blade to fence with both extensions on one side	26 $\frac{1}{2}$ "

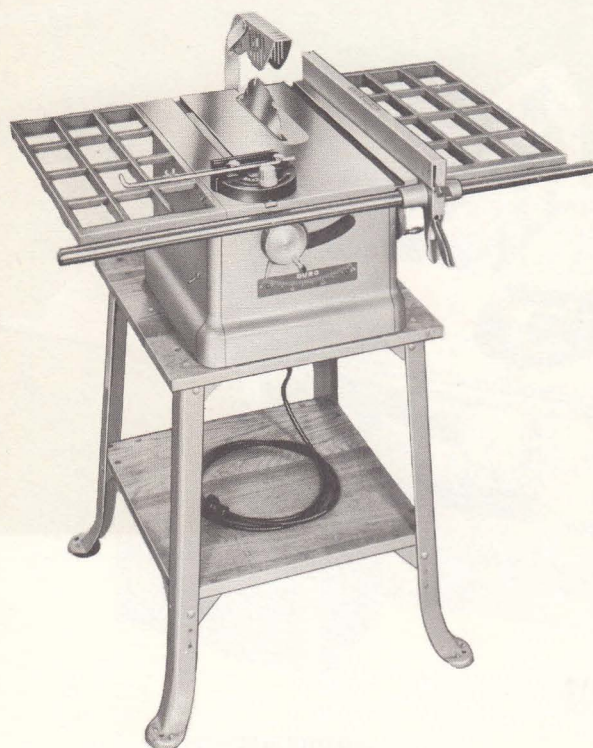
Maximum distance blade to fence with extensions	16 $\frac{1}{4}$ "
Arbor diameter	$\frac{5}{8}$ "
Rip fence length	23"
Dado capacity	6" x 9/16"
Arbor pulley diameter	1 $\frac{3}{4}$ "
Overall size PG3012—hgt. 16 $\frac{3}{4}$ " width 37" depth 35 $\frac{1}{2}$ "	
Shipping weight domestic PG3012	91 lbs.
Export boxed PG3012	4.00 cu. ft. 110 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# 9" TILT ARBOR SAW...

## ORDERING INFORMATION



### 9" TILTING ARBOR SAW UNIT

Consists of:

PG3012	9" T.A. Saw	340450	5/8" Bore Pulley
3170	Wood Top Stand	360243	43" V Belt
317007	Rubber Feet	302470	Switch
330110	Cord and Plug	3920SEBC	1/2 H.P. Motor

PG3012705	9" T. A. Saw Unit (as listed above)	Wt. 156 lbs.
PG301270	9" T. A. Saw Unit (same less motor)	Wt. 123 lbs.
PG3012	9" T. A. Saw Only	Wt. 91 lbs.

## ACCESSORIES... PG3012—9" SAW

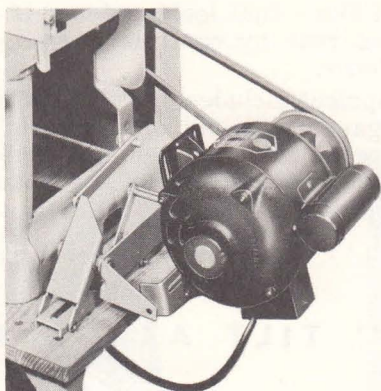
### RECOMMENDED ACCESSORIES

360243	43" V Belt for 4 1/2" Motor Pulley	Wt. 6 oz.
340450	4 1/2" Pulley (specify 1/2", 5/8", 3/4" Bore for 1725 R.P.M. Motor)	Wt. 1 lb.
3920SEBC	1/2 H.P. Motor 115/230 V 1725 R.P.M.	Wt. 32 lbs.
360239	39" V Belt for 2 1/2" Motor Pulley	Wt. 6 oz.
340250	2 1/2" Pulley (specify 1/2", 5/8", 3/4" Bore for 3450 R.P.M. Motor)	Wt. 1 lb.

### OPTIONAL ACCESSORIES

3170	Wood Top Stand	Wt. 28 lbs.
317007	Rubber Feet (Set of 4)	Wt. 1 lb.
P301207	Dado and Moulding Head Table Insert	Wt. 1 lb.
302470	Remote Control Switch	Wt. 1 lb.
L301230	Mitre Gauge	Wt. 5 lbs.
L301250	Junior Deluxe Mitre Gauge	Wt. 3 lbs.

See Page 21 for Blades, Molding-Dadoing Attachments.



This new tilt arbor saw features a floating motor shift which eliminates practically all belt twist. This assures a more positive drive—longer belt life. The motor, which shifts with the tilting of the arbor is on a floating mount, so that belt tension is self adjusting, as the saw arbor is raised or lowered. Motor mount accommodates standard motors either 1725 or 3450 RPM. See "accessory" listing for correct pulley and belt sizes.

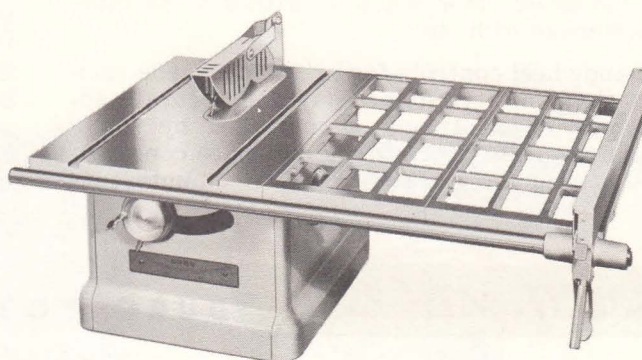


Photo illustrates the versatility of the cast iron gridded extensions.

By moving the fence guide bar to the right and placing extensions together as shown there is a full 26 1/2" from blade to fence for easier handling of large panels. No additional parts required for this useful conversion feature.

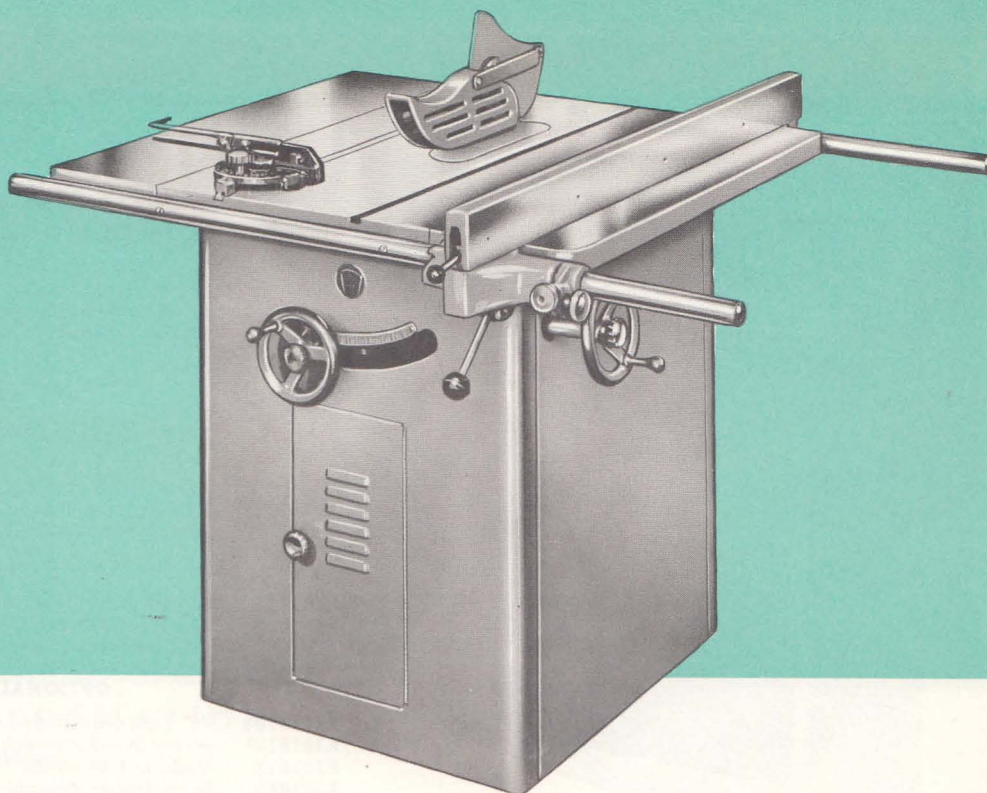
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# DURO

*Heavy Duty*

## 10" TILTING ARBOR SAW



**MODEL R3018**

Duro scores again with this vastly improved heavy duty 10" tilting arbor saw. The base is of steel construction with extra heavy trunnions for rigidity. Base is equipped with a hinged clean-out door. The only popular priced saw with special mitre gauge control.

An improved front and rear locking rip fence glides easily on two round guide bars, which allow fence to be moved 25½" to the right of blade. Front guide bar graduated for quick and accurate setting of fence. Micrometer adjusting mechanism is quickly disengaged for moving the fence across the table.

The saw is driven by a THREE GROOVE arbor

pulley with three perfectly matched V belts to utilize all motor power. Motor mounting is designed for use of most standard motors. Saw spindle is 5/8" diameter and mounted on ball bearings.

The table top is heavy cast iron with a ground and polished surface and measures 33" x 38" with extensions. Distance ahead of blade is 14¾"—depth of cut vertical is 3¼"—depth of cut 45° 2⅞".

Standard equipment includes deluxe mitre gauge, metal throat insert, rip fence, 10" combination blade, saw guard, splitter, antikickback (patented) switch bracket, motor pulley V belts, and solid cast iron extensions.

### **SPECIFICATIONS . . . DURO R3018—10" TILTING ARBOR SAW**

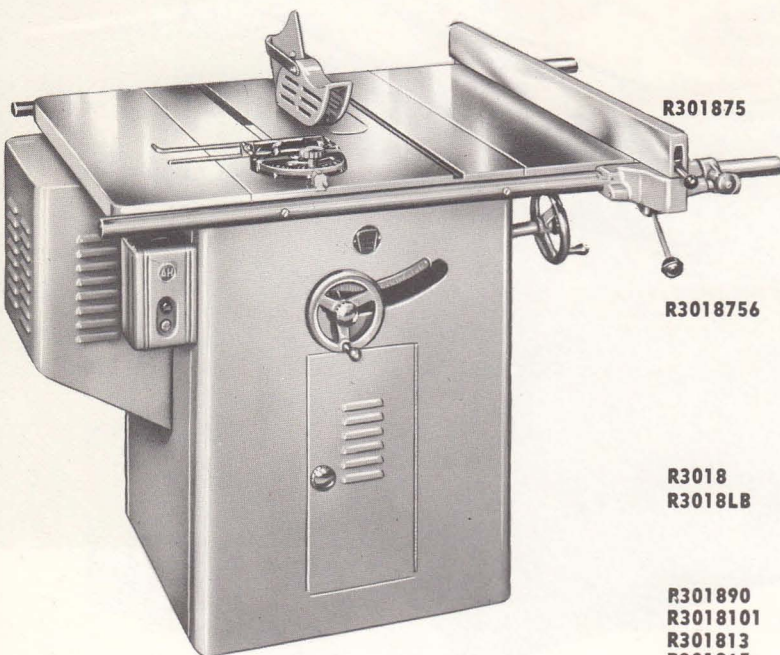
Depth of cut vertical	3¼"
Depth of cut at 45° (thickness of stock)	27/16"
Main table size	33" x 20"
Table with extensions	33" x 38"
Spindle bearings	Ball Bearings
Spindle diameter	5/8"
Distance ahead of blade	14¾"
Distance blade to fence maximum	25½"
Distance blade to fence R3018LB	50½"

Dado head capacity	6"
Fence bar	50"
Blade diameter	10"
Overhall size . . . height 42¾" . . . depth 43½" . . . width	50"
Floor to table	34¼"
Recommended motor pulley with 3450 R.P.M. motor	2¼"
Recommended motor	1 HP or 1½ HP
Shipping Wt. Domestic	No. R3018 . . . 440 lbs.
Shipping Wt. Export	No. R3018 . . . 30 cu. ft. . . 500 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# 10" T. A. SAW... ORDERING INFORMATION



**R301875** 10" TILTING ARBOR SAW UNITS  
10" Tilt Arbor Saw Unit—Single Phase Motor..... Wt. 500 lbs.  
Consists of:

R3018	10" T.A. Saw	3780	Manual Starter
R3018101	Motor Shield	3941SEBCTE	1 H.P. Motor
330330	7' Motor Cord		

**R3018756** 10" Tilt Arbor Saw Unit—Three Phase Motor..... Wt. 510 lbs.  
Consists of:

R3018	10" T.A. Saw	3781	Manual Starter
R3018101	Motor Shield	3950SEBTE	1 1/2 H.P. Motor
330330	7' Motor Cord		

**R3018** 10" Tilt Arbor Saw Only with V Belts & Motor Pulley Wt. 440 lbs.  
**R3018LB** 10" Tilt Arbor Saw Only with V Belts, Motor Pulley & P301890 Extra Long Guide Bars..... Wt. 453 lbs.

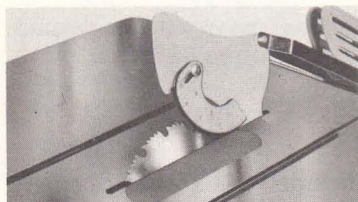
## OPTIONAL ACCESSORIES

<b>R301890</b>	75" Fence Guide Bar Assembly.....	Wt. 50 lbs.
<b>R3018101</b>	Motor Shield Assembly.....	Wt. 15 lbs.
<b>R301813</b>	Dado and Moulding Head Insert.....	Wt. 2 lbs.
<b>R301865</b>	Mitre Gauge Assembly (One Included with Saw).....	Wt. 5 lbs.

See Pages 21 & 22 for Circular Saw Accessories.

See Pages 43 & 44 for complete listing of motors and switches.

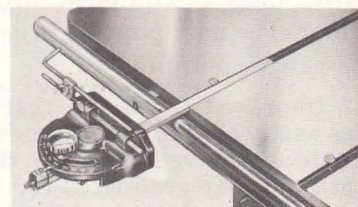
## FEATURES



The antickickback effectively prevents work being kicked back at the operator yet has no teeth to mar the finished work. The entire assembly is swung from a bracket that follows the tilting of the saw blade.

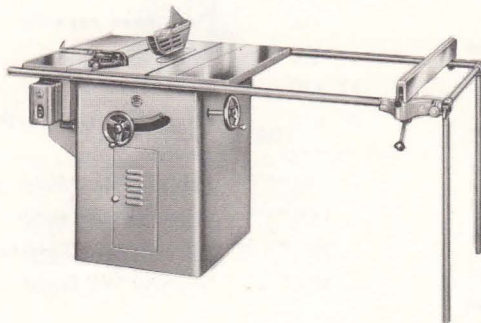


Note the heavy solid construction of the blade adjusting mechanism and oversize trunnion mounting. The belt tension is adjusted on the motor mounting.



Mitre gauge control button (patented) permits cutting wide panel without danger of gauge falling. Gauge may be lifted off table after completing cut. Both mitre grooves have control button.

No. R3018LB Tilting Arbor Saw includes "extra long" guide bars (P301890). Rips to center 100" panel. Blade to fence 50 1/2".



Front guide bar is calibrated in 1/16" increments, outboard support included, has floor leveling screws.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**

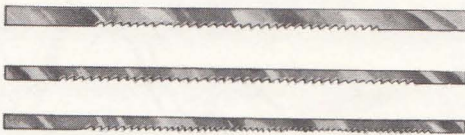


# DURO

## SAW BLADES AND DADOS

A complete line of circular saw blades, dado sets, band saw and jig saw blades are available. Made of quality materials selected for their specific uses. Stocking of a complete assortment of blades will meet the varied requirements of the woodworker.

### JIG SAW BLADES



Plain end blades for all uses in standard package of six.

5"	6"	Size	Teeth Per Inch.
3481A5	3481A6	.012 X .023	20
3485A5	3485A6	.012 X .032	21
3486A5	3486A6	.016 X .035	21
3483B5	3483B6	.017 X .043	18
3487A5	3487A6	.020 X .070	7

For work up to 1 inch thick in wood and thin metal.

3484A5	3484A6	.020 X .110	10
3484B5	3484B6	.020 X .110	15
3487B5	3487B6	.020 X .070	15

For fast cutting and easy turning in wood, veneer, plywood, celluloid and fibre.

3482B5	3482B6	.010 X .045	18
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For thin metals, bone, pearl and hard substances.

3483A5	3483A6	.016 X .034	32
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For metals, bone, pearl and hard substances where an extremely clean cut is required as in inlay or marquetry work.

3483C5	3483C6	.016 X .054	20
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For sawing thin metals.

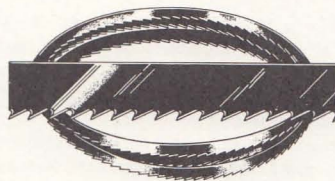
3487C5	3487C6	.020 X .070	32
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### SABER SAW BLADES 4 1/2" Long

For sawing wood or soft metals.

3490A .028 x .187-10 Pt. ....Pkg. of 3

### BAND SAW BLADES



#### 69" For 3027 SAW BLADES

3440-For wood 1/8", 3/8", 1/4", or 3/8"

3441-For soft metals, 3/8" wide

#### 79" For 3020 and 3021 SAWS

3444-For wood, 1/8", 3/8", 1/4", or 3/8"

3445-For soft metals, 3/8" wide

#### 104" For D3022 BAND SAWS

3450-For wood, 1/8", 3/8", 1/4", 3/8" or 1/2" wide

3451-For soft metals, 3/8" wide

#### 112" FOR 3023 BAND SAWS

3446-For wood, 1/8", 3/8", 1/4", 3/8", 1/2" or 3/4" wide

3447-For soft metals, 1/2" wide

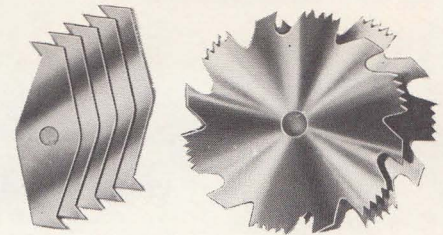
1/8", 3/16" Blades.....8 Teeth per inch

1/4", 3/8", 1/2" Blades....6 Teeth per inch

3/4" Blades .....4 Teeth per inch

Metal Cutting Blades.....14 Teeth per inch

### 6" DADO HEAD



Special analysis steel, hand filed and set. Fits any 7, 8, or 10 inch Table Saws with 5/8" arbor and throat openings sufficiently wide. Set includes 2 outer blades 1/8" thick, 4 chippers 1/8" thick, and one 1/8" thick. Complete set cuts groove 1 1/8" wide.

3436 A-6" Set - 5/8" Bore.

343601-Outside Blade only.

343602-Inside Chipper 1/8" thick.

343604-Inside Chipper 1/8" thick.



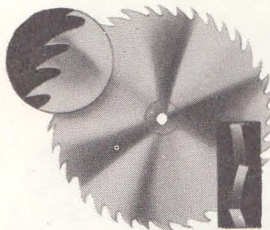
### 6" DADO HEAD

A precision made Dado Set, for grooving, dadoing tenoning etc., cuts with or against the grain. Set includes 2 outside cutters 1/8" width, 3 inside chippers 1/8" and one inside chipper 1/16". Complete Set cuts groove 1 1/16" wide.

3436B-6" Set-5/8" bore.

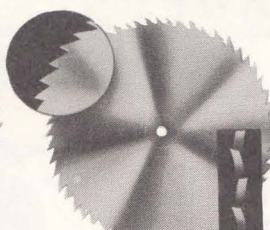
## CIRCULAR SAW BLADES

Quality Saw Blades to give maximum cutting efficiency. Blades are made from chrome nickel alloy steel, correctly tempered, set, balanced, and hand filed to assure sharp cutting edges for fast, free, and true cutting.



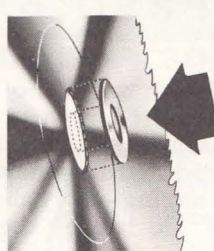
RIP

3458L 8" x 1/2" & 5/8" combination bore  
3459L 9" x 1/2" & 5/8" combination bore  
3460L 10" x 5/8" & 3/4" combination bore



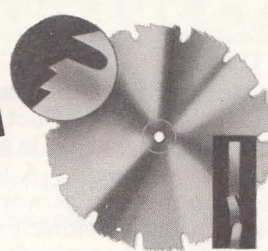
CROSSCUT

3457B 7" x 1/2" bore only  
3458K 8" x 1/2" & 5/8" combination bore  
3459K 9" x 1/2" & 5/8" combination bore  
3460B 10" x 5/8" bore only



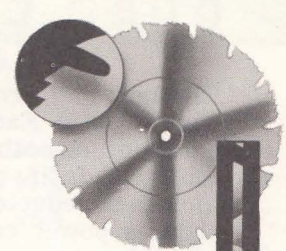
INSERT

Illustration shows method of removing precision insert on combination bore blades.



FANCY TOOTH COMB.

3457M 7" x 1/2" & 5/8" combination bore  
3458M 8" x 1/2" & 5/8" combination bore  
3459M 9" x 1/2" & 5/8" combination bore  
3460M 10" x 5/8" & 3/4" combination bore



HOLLOW GROUND

3458N 8" x 1/2" & 5/8" combination bore  
3459N 9" x 1/2" & 5/8" combination bore  
3460N 10" x 5/8" & 3/4" combination bore

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



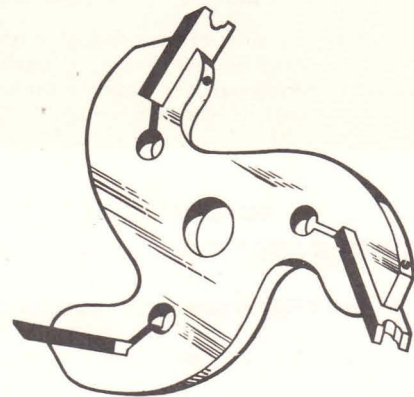
# DURO

## MOULDING HEAD and CUTTER KNIVES

The Duro balanced solid steel Moulding Head is a most useful accessory and can be used on circular saws with  $\frac{5}{8}$ " or  $\frac{3}{4}$ " arbors. The head, made of high quality tool steel, is  $5\frac{1}{4}$ " in diameter and 6" with cutter knives inserted. Moulding head and cutters have grooved lock tight design with one locking screws to prevent cutters from working loose.

Cutter knives are made of special alloy steel, precision machined, expertly heat treated for correct hardness to give maximum quality service. Cutters, matched in sets of 3, are available in 12 styles.

This inexpensive tool equips your saw for cutting panel strips, screen moulds, coves, all straight moulding jobs such as fluting, channeling, beading and glue joints.



**MOULDING HEAD NO. A3525**

**No. A3525** —  $\frac{5}{8}$ - $\frac{3}{4}$  Bore . . . . . Wt. 3 lbs.

### MATCHED CUTTER KNIVES . . . FOR NO. A3525 MOULDING HEAD



A352510  
TONGUE



A352511  
GROOVE



A352512  
CABINET DOOR  
LIP



A352506  
COMBINATION  $\frac{1}{4}$ "  
AND  $\frac{1}{2}$ " QUARTER  
ROUND



A352513  
THREE— $\frac{1}{4}$ " BEAD



A352502  
1" PLANER AND  
JOINTER CUTTER



A352507  
 $\frac{3}{8}$ " and  $\frac{3}{4}$ "  
QUARTER ROUND  
AND  $\frac{1}{4}$ " BEAD



A352517  
 $\frac{1}{2}$ " COVE



A352518  
PANEL CUPBOARD  
DOOR



A352505  
CLOVERLEAF  
SCREEN MOLD



A352504  
BASE MOLD



A352503  
GLUE JOINT



A352514  
"OGEE" WINDOW  
AND DOOR STOP



A352501  
 $\frac{1}{4}$ " FLUTE AND  $\frac{1}{2}$ "  
COVE



A352509  
90° FLUTE, ORNA-  
MENTAL AND  
COMBINATION



A352515  
CURVED FLUTE  
AND  $\frac{3}{8}$ " QUAR-  
TER ROUND



A352516  
1" FLUTE  
( $\frac{1}{2}$ " radius)



A352500  
 $\frac{5}{8}$ " QUARTER  
ROUND AND  $\frac{5}{8}$ "  
COVE (DROP LEAF  
TABLE)

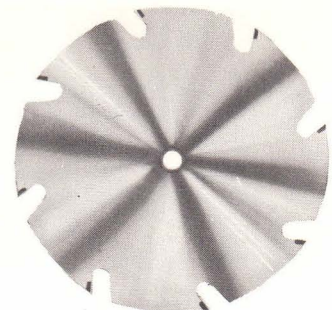
### DURO CARBIDE TIPPED BLADES...

The new and revolutionary 8-tooth design is available in a Carbide Tipped Blade. Each Carbide Tipped Tooth is set to give greater cutting efficiency; smooth and fast operation is assured, plus the advantage of longer blade life without sharpening. Added features include, Safety—kick-back reduced to a minimum, power saving—only 8 cutting teeth reduces power consumption, prolonging the life of the motor. The many fine features of this blade make it ideal for cross cutting, mitering, ripping tough materials, which include;

Asbestos, Plastics, Formica, Aluminum siding and roofing, Masonite, Transite, All types of wood, Asphalt siding and roofing.

**3452** 8" Carbide Tipped Blade  $\frac{1}{2}$ " &  $\frac{5}{8}$ " Combination Bore Shipping Wt.  $1\frac{1}{2}$  lbs.

**3453** 10" Carbide Tipped Blade  $\frac{5}{8}$ " &  $\frac{3}{4}$ " Combination Bore Shipping Wt. 2 lbs.



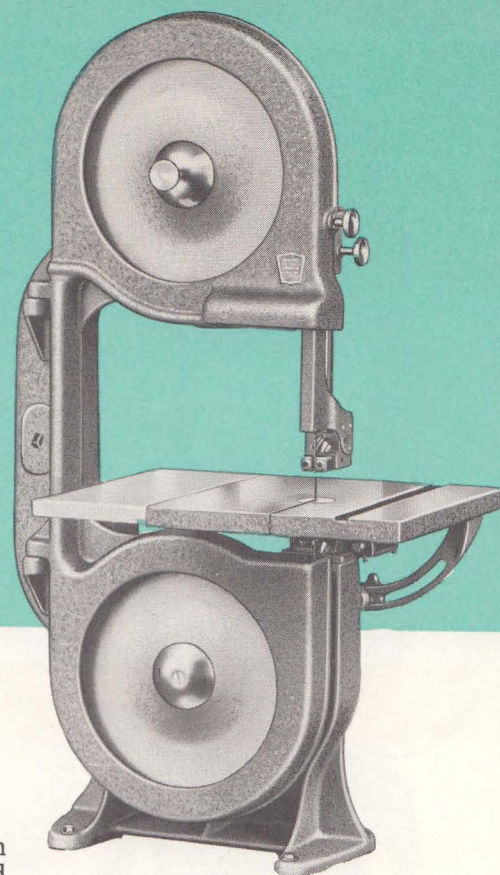
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



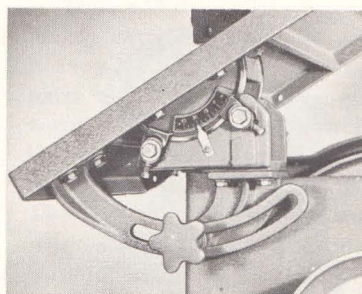
# DURO

*Production*

## 16" BAND SAWS



MODEL K3023



View above shows rugged construction of double trunnion mounting and table tilting mechanism. Table tilts 45° in one direction and 5° in opposite direction. Star hand wheel securely locks table in position.

Duro heavy duty 16" production band saw for wood cutting, and available with back gear transmission for slow speed work on metals, plastics, etc. Outstanding features are: one piece guard, tilt gauge, concave roller guides above and below the table, built in light and balanced aluminum disc wheels. The tension control as well as upper wheel tilting mechanism is convenient to operator's side, no need to reach around saw for these adjustments.

Large cast iron table with auxiliary wood table affords large working surface, table is mounted on double trunnions and has aluminum insert which protects blades.

Convenient switch located in main frame gives fast and easy control for motor. Skillful design, quality construction at a low cost makes this a great value for wood-working and metalworking shops, as well as plastics, in industry, by schools, farms, carpenters and many forms of industrial applications.

The heavy cast iron base with an efficient hinged motor mounting is included with back geared unit and available at additional cost for wood cutting band saw.

### SPECIFICATIONS . . .

### DURO E and K3023 — 16" BAND SAWS

Capacity blade to frame . . . . .	16"
Capacity, under foot . . . . .	10 <sup>5</sup> / <sub>8</sub> "
Main table size . . . . .	16" x 18"
Table size with extension . . . . .	23 <sup>1</sup> / <sub>2</sub> " x 18"
Table tilts . . . . .	45°
Overall height on base . . . . .	70 <sup>1</sup> / <sub>2</sub> "
Overall height saw only . . . . .	51"
Wheel diameter . . . . .	16"

Bearings . . . . .	4 Ball Bearings
Blade guides . . . . .	Ball Bearing
Length of blade . . . . .	112"
Speeds back gear 4 . . . . .	200 to 596 FPM
Speeds direct drive 4 . . . . .	2300 to 5600 FPM
Recommended motor . . . . .	1/2 HP
Recommended motor pulley for 1725 R.P.M. motor . . . . .	2 1/2"
Recommended "V" belt—60" when using 302349 base . . . . .	

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# 16" BAND SAW . . . ORDERING INFORMATION

## 16" WOOD CUTTING BAND SAW UNIT

<b>K302350</b>	16" Band Saw Unit—Less Motor.....	Wt. 360 lbs.
	Consists of:	
<b>K3023</b>	16" Band Saw	<b>340250</b> 5/8" Bore Pulley
<b>360260</b>	60" V Belt	<b>302349</b> Cast Iron Base

<b>K3023505</b>	16" Band Saw Unit—Single Phase Motor.....	Wt. 395 lbs.
	Consists of:	
<b>K302350</b>	Band Saw Unit	<b>3920SEBC</b> 1/2 H.P. Motor

<b>K3023</b>	16" Wood Cutting Band Saw Only—Less Base.....	Wt. 255 lbs.
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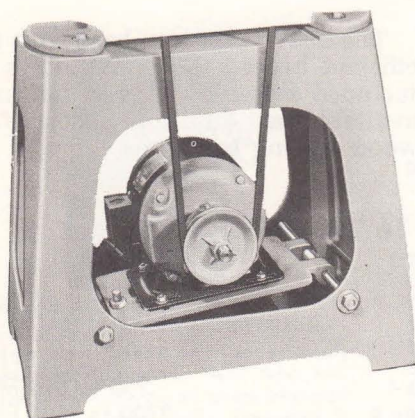
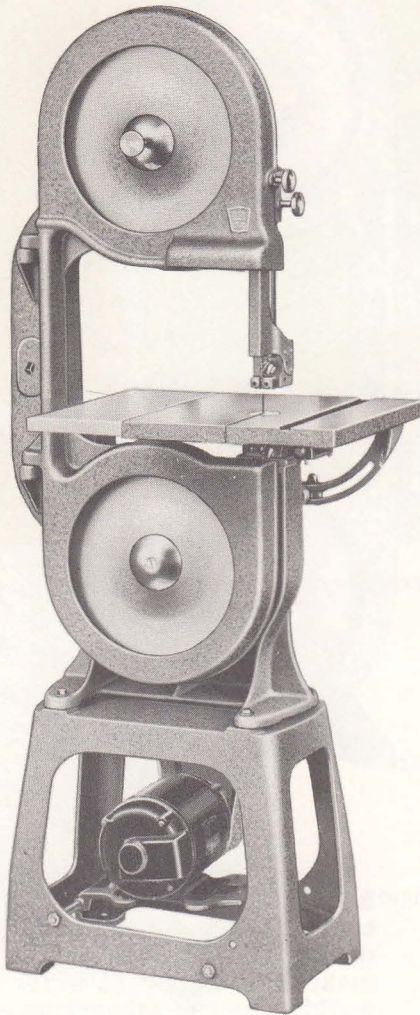
## 16" METAL CUTTING BAND SAW UNIT

<b>E302375</b>	16" Band Saw Unit—Single Phase Motor.....	Wt. 500 lbs.
	Consists of:	
<b>E3023</b>	16" Band Saw	<b>3920SEBC</b> 1/2 H.P. Motor

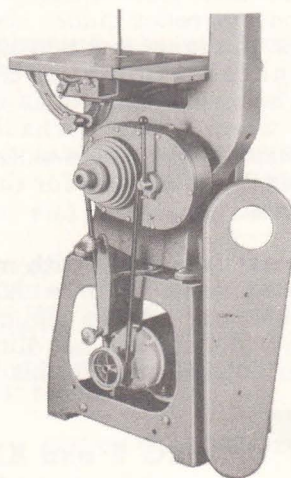
<b>E3023</b>	16" Metal Cutting Band Saw With Cast Iron Base, V Belt & Motor Pulley.....	Wt. 468 lbs.
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## OPTIONAL ACCESSORIES

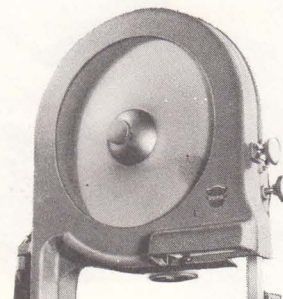
<b>302349</b>	Cast Iron Base Only.....	Wt. 104 lbs.
<b>B302370</b>	Mitre Gauge .....	Wt. 2 lbs.
<b>K302325</b>	Steel Belt Guard (for K3023).....	Wt. 10 lbs.
<b>E302360</b>	Rip Fence & Guide Bar .....	Wt. 8 lbs.
<b>3446</b>	112" Band Saw Blade for Wood — 1/8", 3/16", 1/4", 3/8", 1/2", 3/4" (Specify width)	
<b>3447</b>	112" Band Saw Blade for Metal — 1/2" Width	



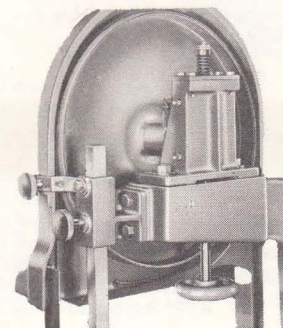
View shows cast iron base No. 302349 which has hinged motor mount for proper belt tensioning. This base can be used with K3023 band saw and is standard equipment with E3023 unit.



Pictured above is the geared transmission of the all purpose model—six speeds, from 200 to 5600 feet per minute—a shift from low to high speed range is made by merely throwing a lever to obtain 10 to 1 ratio. Transmission is mounted on 3 sealed ball bearings.



Note the blade alignment adjusting knob in the center of the upper wheel that operates through an oversize hollow spindle.



Duro has designed an upper wheel mounting with a husky gray iron casting as a base. Large blade tension adjustment handwheel is adjusted from operators side.

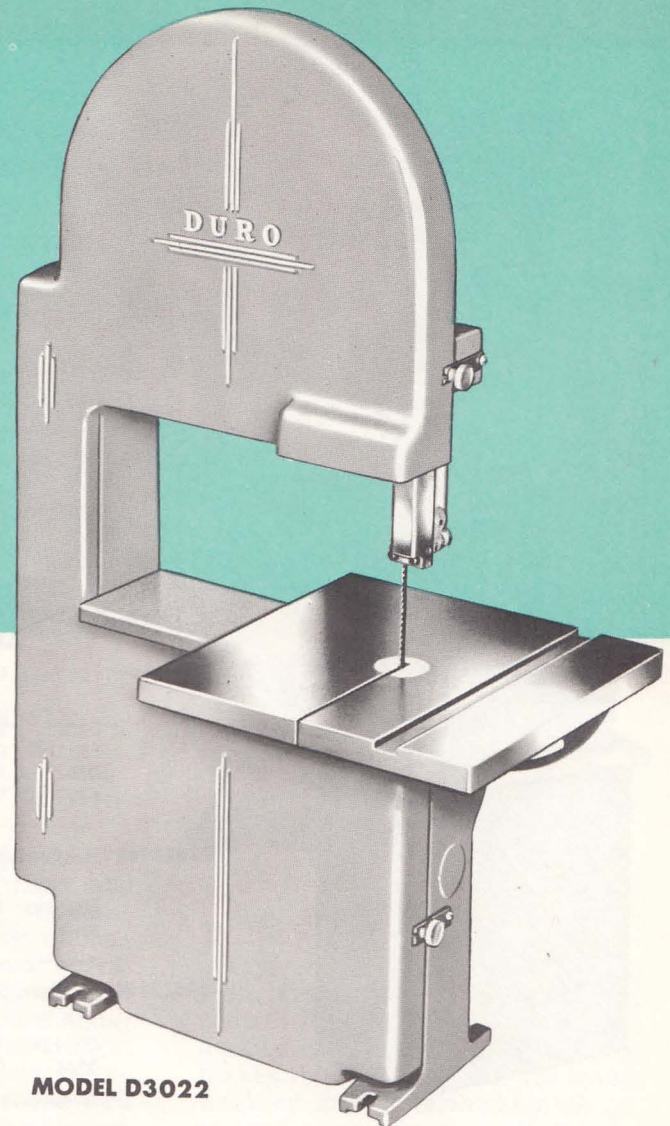
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# DURO

## 15"

### BAND SAW



**MODEL D3022**

The DURO production model 15" band saw, is the result of Duro's engineering to build an up-to-date modern band saw with top quality features and low cost. This unit combines accuracy, durability, and a capacity to handle large work.

Sturdy cast iron frame of semi-box construction has heavy ribs that give a foundation that is solid and eliminates vibration. One piece guard is a DURO feature which covers upper and lower wheel as well as blade. Guard which contains a light attachment as standard equipment, opens easily with only one knob control. The table which is slotted for mitre gauge, has large work surface, tilts to 45° and is mounted on heavy trunnions. Balanced disc wheels mounted on needle type bearings allow free running and long life.

DURO ball bearing blade guides are outstanding in reducing to a minimum blade friction and wear.

The DURO 15" production model band saw, in addition to cutting wood and plastics, can be used for metal cutting by adapting a Plani Drive speed converter which greatly adds to the versatility of the tool. Plani Drive provides two speeds in direct drive and two speeds in back gear.

### SPECIFICATIONS...

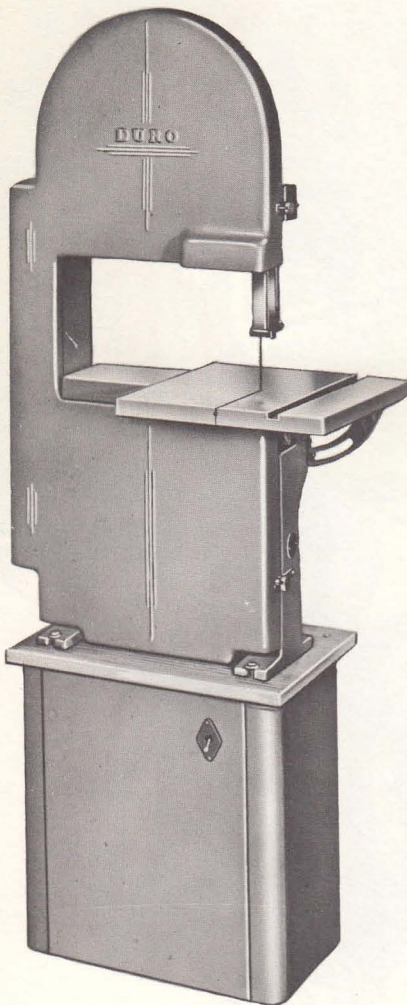
### DURO D3022—15" BAND SAW

Capacity Blade to frame	15"
Depth Capacity under foot	8 1/4"
Diameter of wheels	15 3/4"
Tilting Table size	15" x 15"
Table Extension Size	7" x 5 3/4"
Table Tilts to Left 7°	To Right 45°
Blade Size	104", 1/8" to 1/2" wide
Bearings	4 needle type

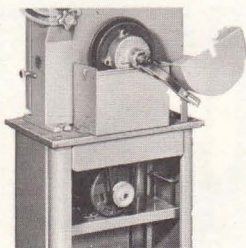
Ball Bearing Blade Guide	above and below table
Overall height	44 1/2"
Width	26 3/4"
depth	17 3/16"
Recommended Motor Average Work	1/2 H.P. 1725 R.P.M.
Recommended Stand, Motor Pulley and Belt	(See Accessories)
Shipping Weight Domestic	176 lbs.
Export boxed	14.0 cu. ft. 201 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**





**D3022905**



**K302130 SPEED CONVERTER**

View shows speed converter easily adapted to the 15" Band Saw. Precision built, Hardened gears, Mounted on ground steel shafts, Operated in oil-less bronze bearings. Four speed operations: Back gear 92 and 163 F.P.M. for metal. Direct drive 1385 and 2450 F.P.M. for wood. Wt. 13 lbs.

## 15" BAND SAW UNITS—WITH CABINET BASE

**D302290** 15" Band Saw Unit—Less Motor . . . . . Wt. 220 lbs.  
Consists of:

D3022	Band Saw	360247	47" V Belt
E302291	Cabinet Base & Guard	340225	5/8" Bore Pulley

**D3022905** 15" Band Saw Unit—Single Phase Motor. Wt. 250 lbs.  
Consists of:

D302290	Band Saw Unit	330110	Cord & Plug
3763	Switch	3920SEBC	1/2 H.P. Motor

**D3022906** 15" Band Saw Unit—Three Phase Motor . . Wt. 250 lbs.  
Consists of:

D302290	Band Saw Unit	3925SEB	1/2 H.P. Motor
3764	Switch		

## 15" BAND SAW UNITS—WITH SPEED CONVERTER AND CABINET BASE

**D302296** 15" Band Saw Unit—Less Motor . . . . . Wt. 240 lbs.  
Consists of:

D3022	Band Saw	340175	5/8" Bore Pulley
E302291	Cabinet Base	340300	5/8" Bore Pulley
D3022905	Guard	360251	51" V Belt
K302130	Speed Converter	K3010-26	Bracket & Screws

**D3022965** 15" Band Saw Unit—Single Phase Motor Wt. 270 lbs.  
Consists of:

D302296	Band Saw Unit	330110	Cord & Plug
3763	Switch	3920SEBC	1/2 H.P. Motor

**D3022966** 15" Band Saw Unit—Three Phase Motor . . Wt. 270 lbs.  
Consists of:

D302296	Band Saw Unit	3925SEB	1/2 H.P. Motor
3764	Switch		

## 15" BAND SAW UNIT—WITH SPEED CONVERTER AND STEEL STAND

**D302276** 15" Band Saw Unit—Less Motor & Switch Wt. 219 lbs.  
Consists of:

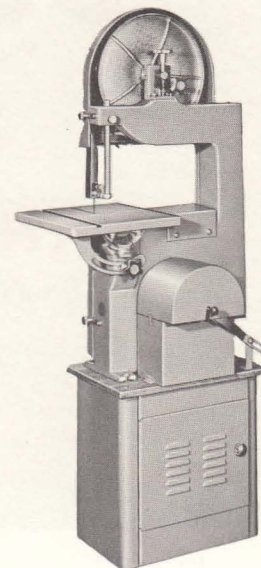
D3022	Band Saw	340175	5/8" Bore Pulley
C302285	Steel Stand	340300	5/8" Bore Pulley
301588	Rubber Feet	360254	54" V Belt
K302130	Speed Converter		

**D3022** 15" Band Saw Only . . . . . Wt. 176 lbs.

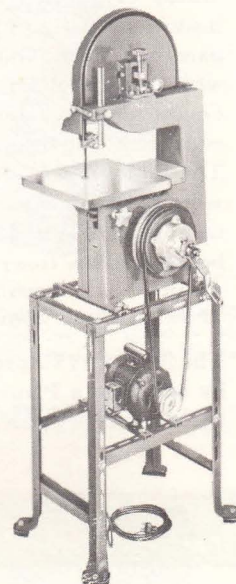
## OPTIONAL ACCESSORIES

E302291	Cabinet Base & Guard . . . . .	Wt. 46 lbs.
B302370	Mitre Gauge . . . . .	Wt. 2 lbs.
C302220	Rip Fence & Guide Bar . . . . .	Wt. 4 lbs.
D302224	Upper Wheel Guard (Rear) . . . . .	Wt. 3 1/2 lbs.
D3022105	Pulley Guard for Speed Converter . . . . .	Wt. 5 lbs.
301586	Remote Control Switch for Steel Stand . . . . .	Wt. 1 lb.
D302220	Upper Guide Saw Guard . . . . .	Wt. 1 lb.
3766	Light Bulb Only . . . . .	Wt. 3 oz.
3451	104" Band Saw Blade for Metal 3/8" Width	
3450	104" Band Saw Blade for Wood 1/8", 3/16", 1/4", 3/8" or 1/2" (Specify Width)	

See Pages 43 & 44 for Complete Listing of Motors & Switches.



**15" BAND SAW & SPEED CONVERTER MOUNTED ON CABINET BASE**



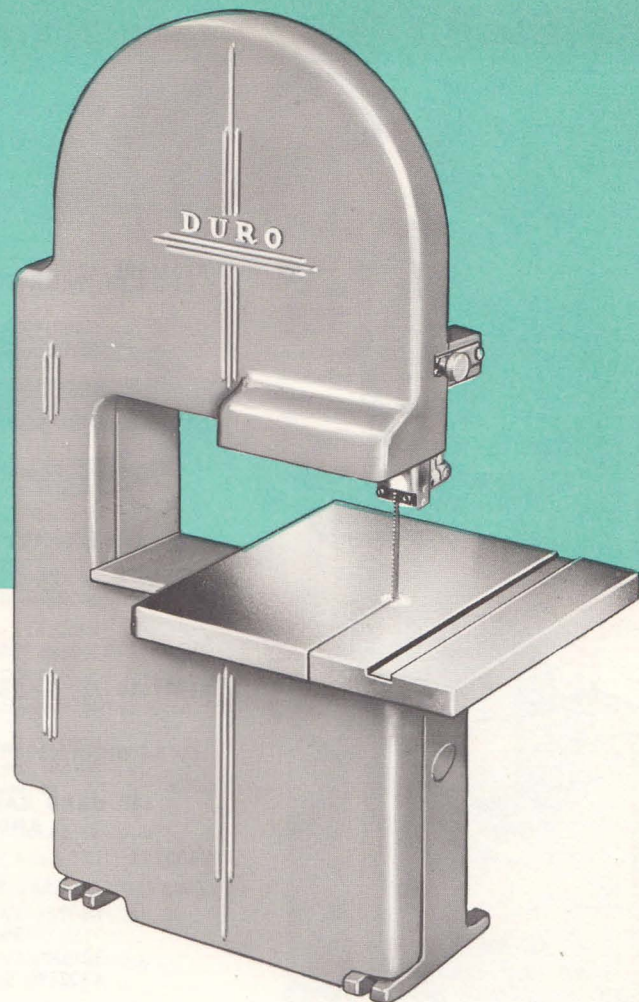
**15" BAND SAW & SPEED CONVERTER MOUNTED ON STEEL STAND**



# DURO

## 12"

### BAND SAW



**MODEL K 3021**

A STURDY BAND SAW with many outstanding features. The massive cast iron frame, the one-piece guard, and upper wheel mounting separate from the main frame make this band saw one of the most convenient and dependable on the market for heavy work. Other valuable features are: provision in guard for built-in light above work table, DURO ball bearing blade guides above and below table, balanced disc wheels, roller type bearings. Large cast iron work table is mounted on heavy double trunnion and increased in work area by a steel extension table. The table tilts to 45°.

The one-piece guard, which totally covers both wheels, is more convenient than any other. By releasing the guard at one point, the operator can swing it away from the wheels. It is most important to be able to do this quickly, as the operator must check often both blade tension and tracking. Both wheels must be uncovered quickly for fast and easy changing of blades. Another added safety feature is the metal wheel guard available for the back of the upper wheel affording complete protection.

An ideal band saw for cabinet shops, schools, carpenters, farmers, maintenance mechanics, or home craftsmen. When using the speed converter this saw can be used for metal cutting.

### **SPECIFICATIONS . . . DURO K3021—12" BAND SAW**

Capacity, blade to frame . . . . . 12"  
 Depth capacity, under foot . . . . . 5 1/8"  
 Diameter of wheels . . . . . 12 1/2"  
 Tilting Table . . . . . 13" x 13"  
 Table Extension Size . . . . . 4 1/4" x 5 3/8"  
 Table tilts to . . . . . 45°  
 Blade Size . . . . . 79", 1/8" to 3/8" wide  
 Bearings . . . . . 4 Needle type

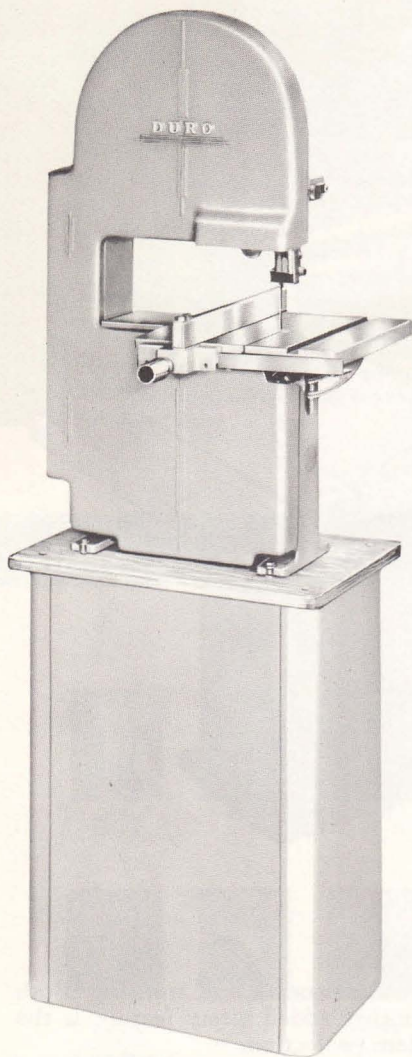
Ball Bearing Blade Guide . . . above and below table  
 Overall height 34 3/8" . . width 21 3/4" . . depth 13 1/2"  
 Recommended Motor, average work . . . 1/3 HP,  
 1725 r.p.m.  
 Recommended Stand, Motor Pulley and Belt . . . . .  
 See Accessories  
 Shipping Weight, Domestic . . . . . 118 lbs.  
 Export Boxed . . . . . 7.6 Cu. ft. . . . . 155 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# 12" BAND SAW...

## ORDERING INFORMATION



**BAND SAW MOUNTED  
ON CABINET BASE**

WITH K302120 FENCE ASSEMBLY

### 12" BAND SAW UNITS—WITH CABINET BASE

**K302190** 12" Band Saw Unit—less Motor. . . . .Wt. 165 lbs.

Consists of:

K3021 Band Saw 360247 47" V Belt  
K302191 Cabinet Base 340250 5/8" Bore Pulley  
and Guard

**K3021905** 12" Band Saw Unit—Single Phase Motor Wt. 192 lbs.

Consists of:

K302190 Band Saw Unit 330110 Cord and Plug  
3763 Switch 3910SEBC 1/3 H.P. Motor

### 12" BAND SAW UNITS—WITH STEEL STAND

**K302161** 12" Band Saw Unit—Less Motor. . . . .Wt. 163 lbs.

Consists of:

K3021 12" Band Saw K302115 Light Attachment  
3161 Steel Stand 360254 54" V Belt  
301588 Rubber Feet 340250 5/8" Bore Pulley  
C302090 Belt Guard K302120 Fence Assembly

**K3021615** 12" Band Saw Unit—Single Phase Motor Wt. 193 lbs.

Consists of:

K302161 Band Saw Unit 330110 10' Cord and Plug  
301586 Switch 3910SEBC 1/3 H.P. Motor

**K3021616** 12" Band Saw Unit—Three Phase Motor Wt. 193 lbs.

Consists of:

K302161 Band Saw Unit 3911SEB 1/3 H.P. Motor  
301587 Switch

### 12" BAND SAW UNIT—WITH STEEL STAND AND SPEED CONVERTER

**K302171** 12" Band Saw Unit—Less Motor. . . . .Wt. 171 lbs.

Consists of:

K3021 12" Band Saw 340300 5/8" Bore Pulley  
3161 Steel Stand 340175 5/8" Bore Pulley  
301588 Rubber Feet 360254 54" V Belt  
K302130 Speed Converter

**K3021** 12" Band Saw Only. . . . .Wt. 118 lbs.

### OPTIONAL ACCESSORIES

**K302191** Cabinet Base and Guard. . . . .Wt. 46 lbs.

**L301250** Mitre Gauge . . . . .Wt. 2 lbs.

**3161** Steel Stand . . . . .Wt. 33 lbs.

**K302124** Upper Wheel Guard (Rear). . . . .Wt. 2 1/2 lbs.

**K302115** Light Attachment with Bulb and Cord. . . . .Wt. 1 lb.

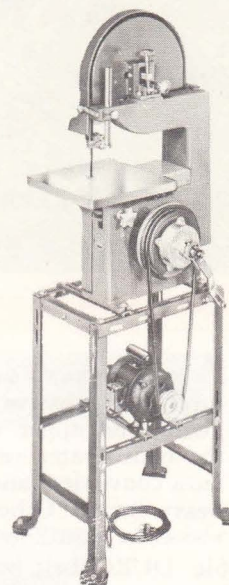
**3766** Light Bulb Only . . . . .Wt. 3 ozs.

**K302120** Rip Fence and Guide Bar Assembly. . . . .Wt. 6 lbs.

**3444** 79" Band Saw Blade for Wood 1/8", 3/16",  
1/4" or 3/8" width. (Specify width)

**3445** 79" Band Saw Blade for Metal 3/8" Width

See Pages 43 and 44 for complete listing of motors and switches



**12" BAND SAW &  
SPEED CONVERTER  
MOUNTED ON  
STEEL STAND**

## SPEED CONVERTER... FOR BAND SAWS

This new Duro accessory greatly increases the utility of wood cutting Band Saws. Precision built, accurately cut hardened gears mounted on ground steel shafts, operate in oilless bronze bearings. Cool operation is assured even under heavy loads.

The conversion from wood to metal cutting speeds, or vice versa, requires moving one shift knob. Four speed operation: 2 direct drive for wood cutting, and 2 back gear for metal cutting. Ratio 15 to 1.

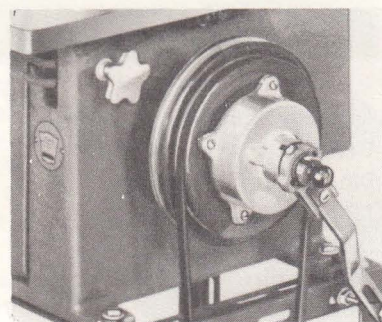
Speed ratios for 12" Band Saws—Back gear 92 and 163 F.P.M.

Direct drive 1385 and 2450 F.P.M.

With Bushings—fits 1/2", 5/8" and 3/4" shafts.

Recommended Motor Pulleys, 1 3/4" and 3" with 1725 R.M.P. motor speed.

When mounted on 3161 stand use 54" "V" Belt.



**K302130 SPEED CONVERTER . . . WT. 13 LBS.**

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# DURO

## 26"

### SCROLL SAW



Scroll Saw  
with steel  
Stand.



#### ORDERING INFORMATION

(4 Speed Model)

##### 26" SCROLL SAW UNITS—WITH CABINET BASE

26" 4 Speed Unit—Less Motor.....Wt. 215 lbs.				
<b>F300690</b>	Consists of:			
	F3006	26" Scroll Saw	F300691	Cabinet Base
	D300695	Guard		
26" 4 Speed Unit—Single Phase Motor.....Wt. 240 lbs.				
<b>F3006905</b>	Consists of:			
	F300690	Scroll Saw Unit	330110	10' Cord & Plug
	3763	Switch	3910SESCX	1/3 H.P. Motor
26" 4 Speed Unit—Three Phase Motor.....Wt. 240 lbs.				
<b>F3006906</b>	Consists of:			
	F300690	Scroll Saw Unit	3911SEB	1/3 H.P. Motor
	3764	Switch		

##### 26" SCROLL SAW UNIT—WITH STEEL STAND

<b>F300661</b> 26" 4 Speed Unit—Less Motor & Switch..... Wt. 190 lbs.				
	Consists of:			
	F3006	26" Scroll Saw	D300695	Belt & Pulley Guard
	F300685	Steel Stand	301588	Rubber Feet
<b>F3006</b> 26" Scroll Saw Only—With Belt & Pulley..... Wt. 135 lbs.				

The Duro production scroll saw offers two features most desired . . . extra capacity and smooth action! 26-inch throat gives you the extra capacity . . . the spring tension balancing unit gives you the smooth action! Blade tension spring is adjustable to compensate for various size blades . . . whip, vibration, and blade breakage are practically eliminated. The crankshaft, carefully designed and balanced, mounted on Torrington grease sealed roller bearings, operates in a bath of oil. The eccentric has an improved scotch yoke action with nylon crosshead.

The heavily ribbed, machined cast-iron table rides on two heavy trunnions. Steel jaw chucks firmly grip all types of plain end blades. Chucks are easily rotated 90° either direction for bevel cutting long stock. Arm is quickly removed for saber work or bench filing. Built-in saw-dust blower keeps work clean at the cutting line. A soft metal insert in the table protects the blade.

#### SPECIFICATIONS...

Capacity, Blade to frame .....	26"
Capacity, Depth of cut .....	2"
Length or stroke .....	1"
Work Table size .....	15" x 15"
Table Tilts .....	45° right—15° left
Blade size .....	6" Plain end
Upper Blade Guide .....	Roller

#### DURO F3006—26" SCROLL SAW

Lower Blade Guide	V Type adjustable	
Overall height 22"	Length 40"	Width 15"
Speeds: Four speed model	675, 935, 1275, 1725 R.P.M.	
Variable speed model	675-1200 R.P.M.	
Sawdust blower	Piston Type	
Shipping Weight, Domestic		135 lbs.
Export Boxed	11.66 Cu. Ft.	250 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# 26" SCROLL SAW...

## ORDERING INFORMATION

(Variable Speed Model)



### 26" SCROLL SAW UNITS—WITH CABINET BASE

**F3006VS90** 26" Variable Speed Unit—Less Motor.....Wt. 215 lbs.  
Consists of:  
F3006VS 26" Scroll Saw C300691 Cabinet Base  
F300695 Belt & Pulley Guard

**F3006VS905** 26" Variable Speed Unit—Single Phase Motor.....Wt. 240 lbs.  
Consists of:  
F3006VS90 Scroll Saw Unit 330110 10' Cord & Plug  
3763 Switch 3910SESCX 1/3 H.P. Motor

**F3006VS906** 26" Variable Speed Unit—Three Phase Motor.....Wt. 243 lbs.  
Consists of:  
F3006VS90 Scroll Saw Unit 3911SEB 1/3 H.P. Motor  
3764 Switch

### 26" SCROLL SAW UNIT—WITH STEEL STAND

**F3006VS61** 26" Variable Speed Unit—Less Motor & Switch.....Wt. 190 lbs.  
Consists of:  
F3006VS 26" Scroll Saw F300695 Belt & Pulley Guard  
F300685 Steel Stand 301588 Rubber Feet

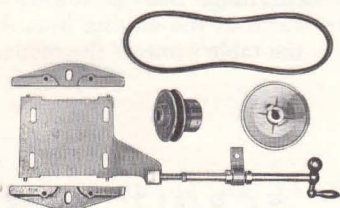
**F3006VS** 26" Scroll Saw with F300630 Var. Speed attach....Wt. 135 lbs.

### OPTIONAL ACCESSORIES

**F300691** Cabinet Base, Guard & 48" V Belt.....Wt. 73 lbs.  
**D300695** Belt & Pulley Guard (For 4 speed model) .....Wt. 5 lbs.  
**F300695** Belt & Pulley Guard (For variable speed model) ....Wt. 5 lbs.  
**F300685** Steel Stand (With wood top).....Wt. 52 lbs.  
**301588** Rubber Feet (For Steel Stand).....Wt. 1 lb.  
**301586** Remote Control Switch (For Steel Stand).....Wt. 1 lb.  
**A300613** 4 Step Motor Pulley  $\frac{5}{8}$ " Bore (Included with Saw)  
Also Available in  $\frac{1}{2}$ ",  $\frac{3}{4}$ " Bore.....Wt. 1 lb.  
Use 6" Jig Saw Blades (See Page 21)



Scroll Saw  
with steel  
Stand.



Variable Speed Attachment Available for Scroll Saw Mounting. Speed Range between 675 and 1200 R.P.M. Conveniently located handle for Instant Speed Changing. Attachment includes V Belt plus all Mounting Parts.

**F300630** Variable Speed Attachment (Saw Mtg.) Wt. 10 lbs.



### ADJUSTABLE LAMP ATTACHMENT

An adjustable light that may be attached to any machine. Extension arm has three links so reflector may be adjusted to any angle. Polished aluminum reflector intensifies light and makes it easy to follow outlines. Has push-key socket, 7 foot rubber cord and plug. Takes standard bulbs.

**3765** Lamp attachment, less bulb.

### MOTORS and CONTROLS

#### FOR SINGLE PHASE OPERATION

##### WITH CABINET BASE:

Motor: 3910SESCX—1/3 H.P. 1725 R.P.M.  
Switch: 3763—Push Button with 2 wire cord 3'  
Cord & Plug: 330110—3 wire 10'—3 prong

##### WITH STEEL STAND:

Motor 3910SESCX—1/3 H.P. 1725 R.P.M.  
Switch: 301586—Toggle with 2 wire cord 5'  
Cord & Plug: 330110—3 wire 10'—3 prong

#### FOR THREE PHASE OPERATION

##### WITH CABINET BASE:

Motor: 3911SEB—1/3 H.P. 1725 R.P.M.  
Switch: 3764—Push Button with 3 wire cord 3'

##### WITH STEEL STAND:

Motor: 3911SEB—1/3 H.P. 1725 R.P.M.  
Switch: 301587—Toggle with wire cord 6'

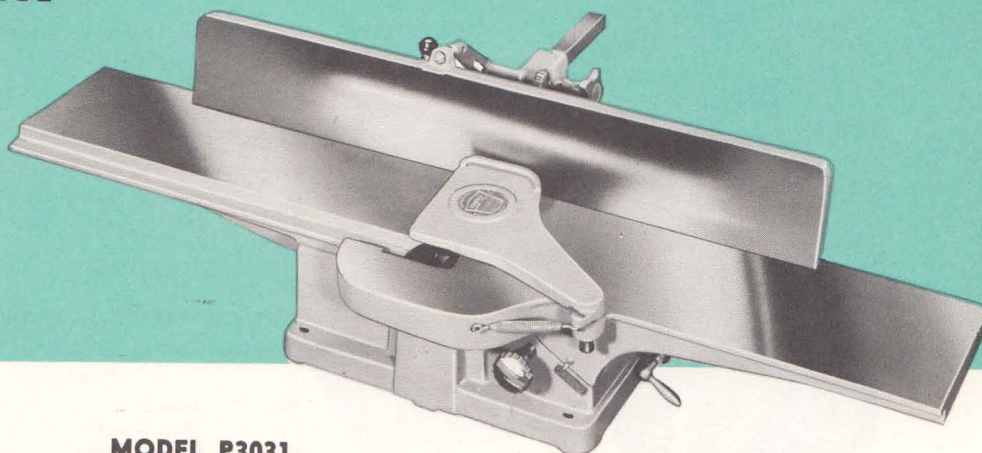
See Page 44 for magnetic and manual starters

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# DURO

## *Long Bed* 6" JOINTER



**MODEL P3031**

Large cast iron tables, and a fence design, exclusive with Duro, make this 6" Jointer an exceptional value. Tables are ground after assembly to assure perfect alignment. The heavy cast iron fence mounted from the rear table provides for greater rigidity and ease of operation. It can be moved from one side of the tables to the other without changing the angle of setting. It may be tilted to 45° in either direction with the degree shown on a gauge.

Movement of the front table is controlled by a ball crank and screw for accurate setting. A locking handle secures the position and a gauge indicates the depth. The jointer has a rabbeting capacity up to 1/2" with a rabbeting ledge on the rear table and arm on the front table. The steel cutter head is balanced and is equipped with three high-speed steel blades and chip breakers. The cutter head is mounted on a 5/8" shaft and on two sealed ball bearings. The hinged guard covers the cutter head on the front side of the fence and the fence mounting on the rear side.

### **SPECIFICATIONS...**

Capacity .....	1/2" x 6"
Rabbeting Ledge .....	1/2"
Cast Iron Fence .....	32" long, 4 1/2" high
Fence tilts .....	45° in either direction
Tilt gauge .....	pointer and graduated scale
Bearings .....	Two Sealed
Cutter Head .....	Steel

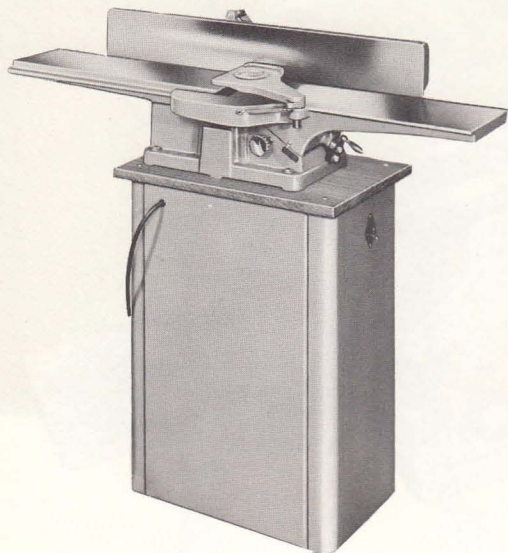
### **DURO P3031—6" JOINTER**

Blades .....	3 High Speed Tool Steel
Chip Breakers .....	Three
Diam. of Shaft .....	5/8"
Overall Length of Tables .....	48"
Overall Length 48".....	Height 11".....Width 19 1/2"
Shipping Weight .....	141 lbs.
Export Boxed .....	11.1 cu. ft.....200 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# P3031—6" JOINTER... ORDERING INFORMATION



6" JOINTER SHOWN  
MOUNTED ON CABINET BASE

## 6" JOINTER UNITS—WITH CABINET BASE

**P303190** 6" Jointer Unit—Less Motor..... Wt. 190 lbs.  
Consists of:

P3031	Jointer	360246	46" V Belt
P303191	Cabinet Base & Guard	340500	5/8" Bore Pulley

**P3031905** 6" Jointer Unit—Single Phase Motor..... Wt. 230 lbs.  
Consists of:

P303190	Jointer Unit	330110	Cord & Plug
3763	Switch	3920SEBC	1/2 H.P. Motor

**P3031906** 6" Jointer Unit—Three Phase Motor..... Wt. 230 lbs.  
Consists of:

P303190	Jointer Unit		
3764	Switch	3925SEB	1/2" H.P. Motor

## 6" JOINTER UNIT—WITH STEEL STAND

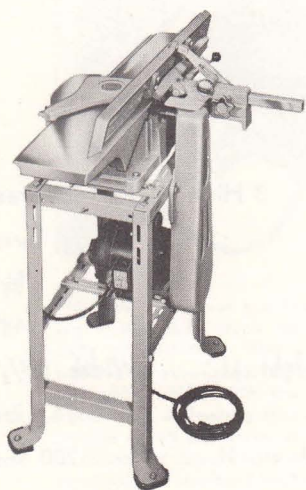
**P303161** 6" Jointer Unit—Less Motor..... Wt. 180 lbs.  
Consists of:

P3031	Jointer	340500	5/8" Bore Pulley
3161	Steel Stand	360246	46" V Belt
301588	Rubber Feet	303190	Belt Guard

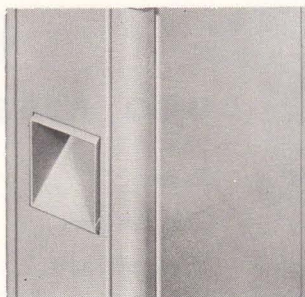
**P3031** 6" Jointer Only..... Wt. 141 lbs.

## OPTIONAL ACCESSORIES

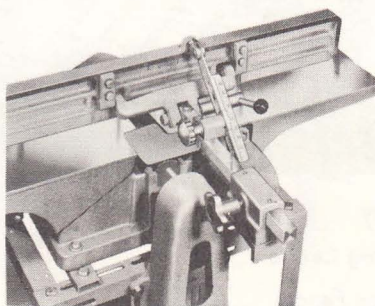
<b>P303191</b>	Cabinet Base & Guard.....	Wt. 53 lbs.
<b>3161</b>	Steel Stand .....	Wt. 31 lbs.
<b>B303112</b>	Jointer Blades (Set of 3).....	Wt. 1 lb.
<b>301586</b>	Remote Control Switch (For Steel Stand) 1 PH.....	Wt. 1 lb.
<b>340250</b>	2 1/2" V Pulley (Specify 1/2", 5/8", 3/4" Bore) For 3450 R.P.M. Motor.....	Wt. 1 lb.
<b>360242</b>	42" V Belt for 2 1/2" Motor Pulley.....	Wt. 1 lb.



6" JOINTER SHOWN  
MOUNTED ON STEEL STAND



Above view shows convenient  
chip chute built into the  
cabinet base.



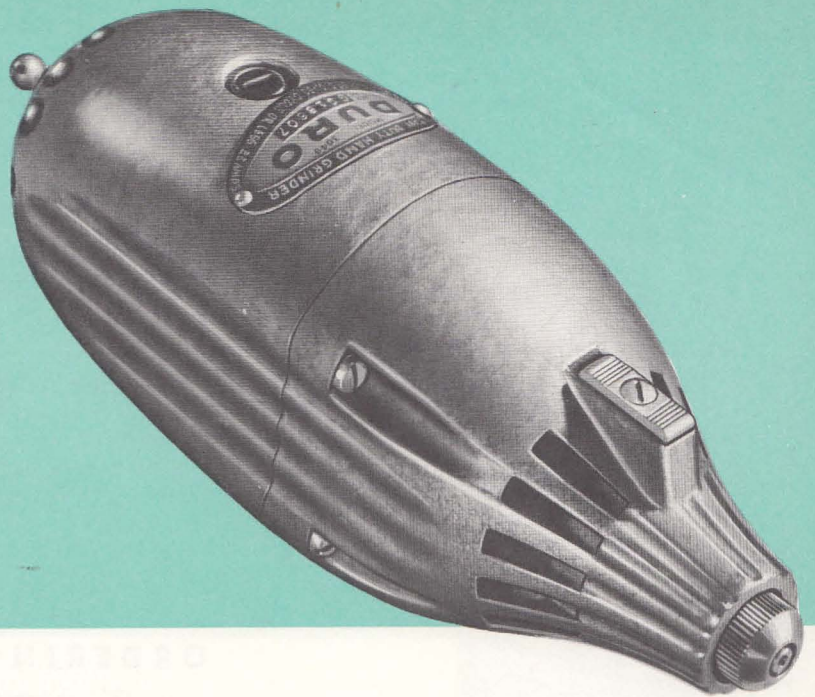
Fence activated on husky solid square  
steel bar through a precision machined  
casting which mounts on the rear table.  
Heavy linkage provides positive and ac-  
curate fence locking. Degrees of tilt are  
easy to read and tilt scale is notched for  
automatic positioning at 0° and both 45°  
settings. Rear knife guard, included as  
standard equipment, is another DURO  
extra to provide added safety in jointer  
operations.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# DURO

## HEAVY DUTY HAND GRINDER



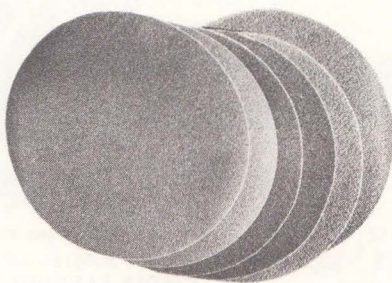
### MODEL D3049

This new DURO high speed super power unit is being enthusiastically acclaimed by American craftsmen and hobbyists from coast to coast. Contour-formed to fit your hand, it is perfectly balanced, with just enough weight for smooth vibration-free operation.

Powerful and rugged enough for a wide variety of carving, cutting, grinding, drilling and polishing jobs—the new DURO Super Power runs at 20,000 RPM and develops 42 watts output on AC or DC current. An efficient propeller type fan pulls a large volume of cooling

air over the motor, protecting vital high speed working parts. The spindle floats on sealed ball bearings that take up all radial and thrust loads.

A specially designed threaded type collet chuck overhangs the housing only 5/16". Three collets, one for 3/32" shank, one for 1/8" shank and one that closes to zero are included. The chuck lock operates by a button, holds the chuck securely in position while cutters are changed. Standard grinders are 110 volts. Shipping Wt. 3 lbs.



Solid 10" Sanding Discs available in fine, medium or coarse grits—Specify grit—packed 6 to package 1 grit.

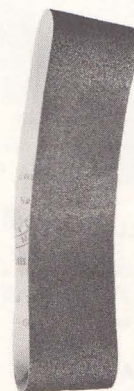
**A3265**—Alum. Oxide Sanding Discs

**G3265**—Garnet Sanding Discs



Adhesive for quick and easy fastening of alum. oxide paper to disc—quickly removed when desired. Stick approximately 1 1/4" dia. x 5" long in a cardboard tube with instructions for using.

**3253**—Adhesive Compound



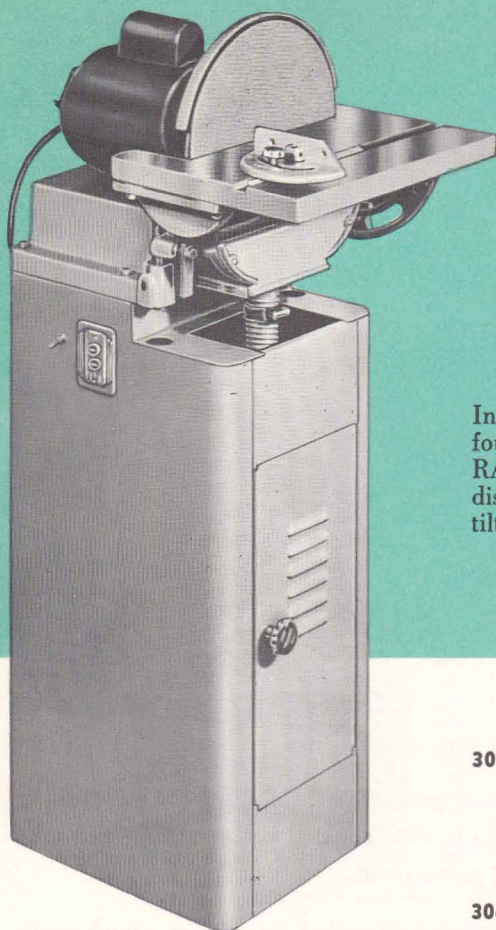
Endless 6" x 48" Sanding Belts have tough fabric back, for long satisfactory service. Available in fine, medium or coarse—Specify grit.

**3249**—Alum. Oxide Sanding Belts

**G3249**—Garnet Sanding Belts

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**





# DURO

## 12" DISC SANDER

Industrial 12" disc sander has many features usually found in higher price units—large, well-ribbed table RAISES and LOWERS for maximum capacity; steel disc is machined for greater accuracy; easy to read tilt indicator plate.

### ORDERING INFORMATION

12" Disc Sander Units — With Cabinet Base

**3068905** Disc Sander Unit—With Dust Collector & Motor for 110V Single Phase .....Wt. 166 lbs.

Consists of:

3068	Sander	330114	10' Cord & Plug
306891	Cabinet Base	3763	Switch Kit
3068105	Dust Collector	3920SEBC	1/2 H.P. Motor

**3068906** Disc Sander Unit — With Dust Collector & Motor for 208/220V Three Phase .....Wt. 166 lbs.

Consists of:

3068	Sander	3764	Switch Kit
306891	Cabinet Base	3925SEB	1/2 H.P. Motor
3068120	Dust Collector		

**3068907** Disc Sander Unit — With Dust Collector & Motor for 220V Single Phase .....Wt. 166 lbs.

Consists of:

3068	Sander	330224	10' Cord & Plug
306891	Cabinet Base	3763	Switch Kit
3068120	Dust Collector	3920SEBC	1/2 H.P. Motor

**3068** Disc Sander Only — Less Motor, Cabinet Base, Dust Collector & Mitre Gauge .....Wt. 80 lbs.

### OPTIONAL ACCESSORIES

306891	Cabinet Base	Wt. 40 lbs.
3068105	Dust Collector 115 Volt (AC-DC)	Wt. 12 lbs.
3068120	Dust Collector 230 Volt (AC-DC)	Wt. 12 lbs.
306825	Circle Sanding or Core Print Attachment	Wt. 5 lbs.
306830	Disc Assembly with Hub & Set Screws	Wt. 12 lbs.
M306655	Mitre Gauge	Wt. 3 lbs.
AP3269*	Alum. Oxide 12" Discs for Metal (Pressure Sensitive)	
GP3269*	Garnet 12" Discs for Wood (Pressure Sensitive)	

\*(Specify Fine, Medium or Coarse Grit)

### MOTORS AND CONTROLS

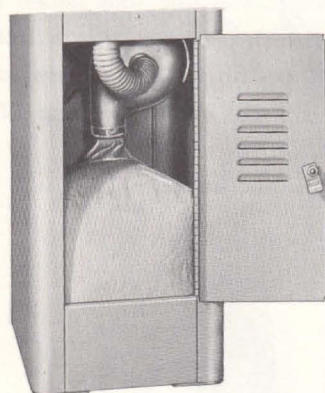
#### FOR SINGLE PHASE OPERATION:

Motor: 3920SEBC—1/2 H.P. 1725 R.P.M.  
 Motor: 3931SEBC—3/4 H.P. 1725 R.P.M.  
 Switch: 3763—Push Button Switch Kit with 2 Wire Cord 3'  
 Cord & Plug: 330114—3 Wire—10'—3 Prong (Parallel) for 115V  
 Cord & Plug: 330224—3 Wire—10'—3 Prong (Tandem) for 220V  
 Dust Collector: 3068105—115 Volt (AC-DC)

#### FOR THREE PHASE OPERATION:

Motor: 3925SEB—1/2 H.P. 1725 R.P.M.  
 Motor: 3931SEB—3/4 H.P. 1725 R.P.M.  
 Switch: 3764—Push Button Switch Kit with 3 Wire Cord 3'  
 Dust Collector: 3068120—230 Volt (AC-DC)

See Page 44 for Magnetic and Manual Starters

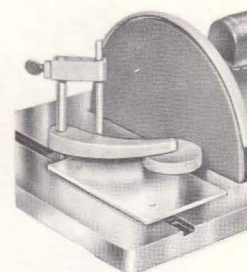


### DUST COLLECTOR

Duro's exclusive built-in dust collector solves a dust problem and enables you to locate the sander unit any place in a shop. Universal (AC-DC) motor 115 volt or 230 volt. Toggle switch included with motor.

### SPECIFICATIONS

Table Size .....8 1/2" x 16"  
 Table Tilts .....15° In; 45° Out  
 Table Raises & Lowers .....3 1/8"  
 Mitre Gauge Groove .....9/32" x 3/4"  
 Disc .....5/8" Bore; 12" Diameter  
 Overall Dimension on Base — Width 16 5/8",  
 Height 44 1/4", Depth 21 1/2"  
 Export Boxed.....16 Cu. Ft. .... 105 Lbs.



### CIRCLE SANDING ATTACHMENT

Circle sanding attachment (core print attachment) permits sanding duplicate circles up to 10" in diameter and 3 1/4" High.

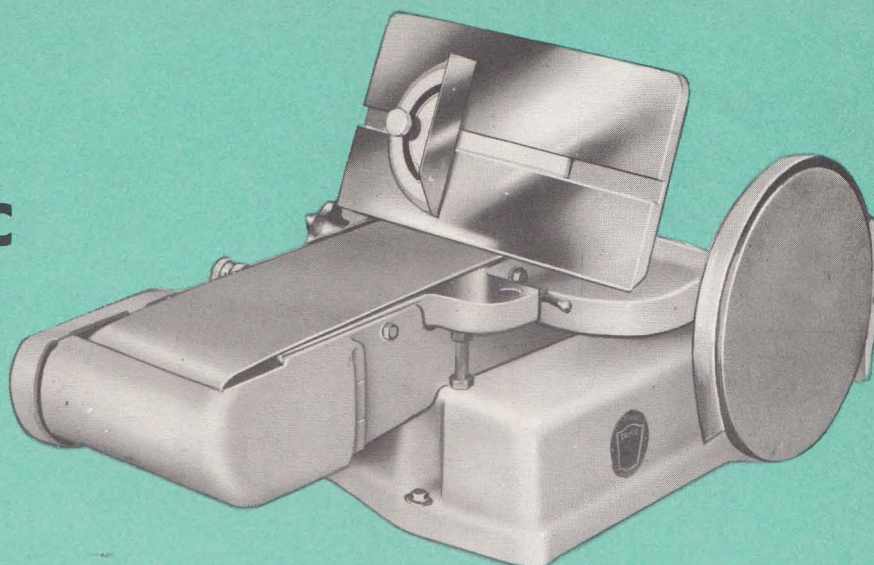
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



# DURO

## *Heavy Duty*

### BELT and DISC SANDER



#### MODEL PD3066

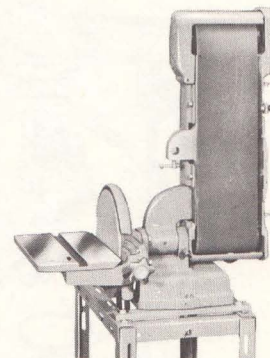
Duro present a new heavy duty 6" belt and 10" disc sander for horizontal or vertical use. Sealed ball-bearings provide quite smooth operation of both belt and disc.

Belt sanding gives uniform cutting speed across entire face of the belt which results in smooth, even cut. Use for wood, metal, and plastics. Heavy cast construction with substantial ribbing gives rigidity to prevent vibration. Large auxiliary work table with mitre gauge can be tilted 45° and is interchangeable for use with the belt or disc.

The preloaded belt tensioner is a feature which will mean savings in time and money, as it allows fast changing of belts without the usual retensioning and retracking after new belt has been installed, operated with quick release lever.

The Duro sander incorporates one knob tracking with lock to maintain setting. There is a fully adjustable fence and dust collector available as accessories.

STANDARD EQUIPMENT INCLUDES:  
Work table, mitre gauge, machine pulley, one each aluminum oxide belt and disc.



View Showing Sander in Vertical Position

### SPECIFICATIONS ...

#### DURO PD3066—SANDER

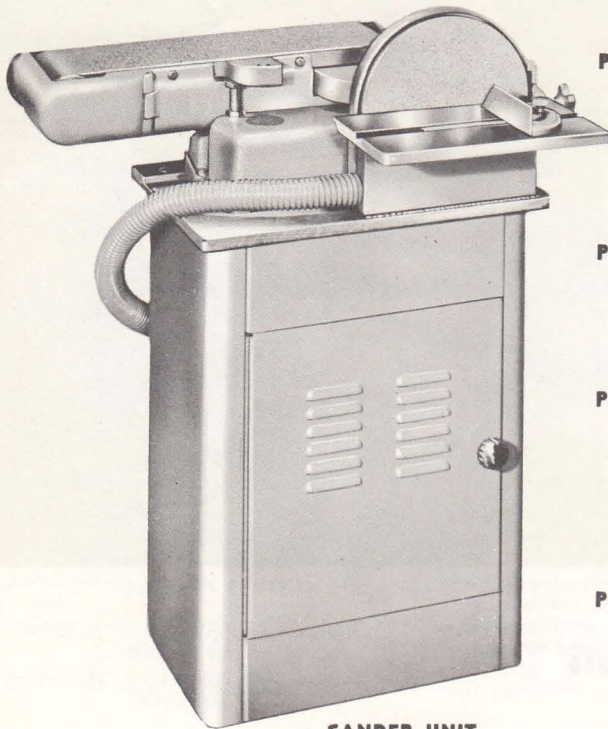
Sanding belt size .....	6" x 48"
Sanding disc size .....	10"
Drums .....	3" Dia.
Overall length, horizontal .....	25 1/2"
Overall height, vertical .....	27 1/4"
Overall width .....	16 1/2"

Bearings .....	4 ball
Table supporting belt .....	6 1/2" x 16 1/2"
Auxiliary tilt, table .....	7 1/4" x 13 1/2"
Auxiliary table tilts .....	In 15° Out 45°
Shipping weight .....	97 lbs.
Export boxed 9.25 cu. ft. ....	135 lbs.

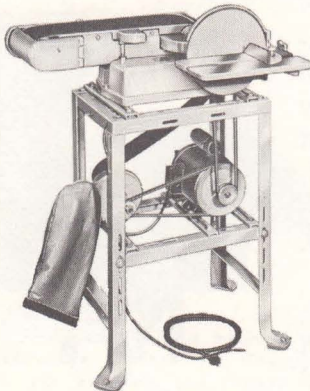
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



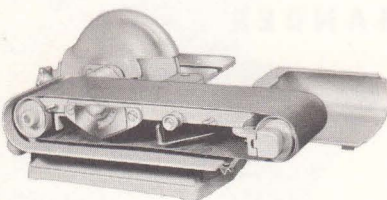
# 6" BELT and 10" DISC SANDER... ORDERING INFORMATION



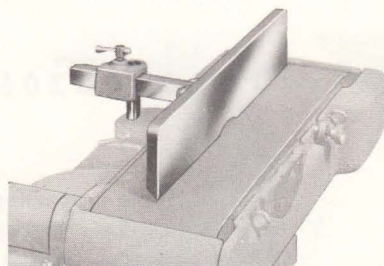
**SANDER UNIT  
SHOWN MOUNTED ON  
CABINET BASE**



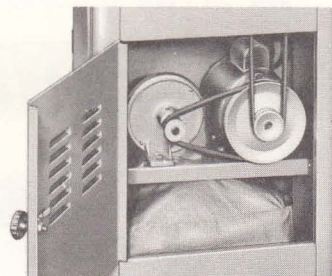
**SANDER UNIT ON STEEL  
STAND WITH DUST COLLECTOR  
FOR BELT SANDING ONLY**



View with guard off and cover open shows pre-loaded belt tensioner feature, permitting quick changing of belts without usual retrackings. Opening cover permits sanding curved object on end of drum.



View shows M306645 Fence Assembly which can be moved across the belt and tilted 45° in either direction. Fence can also be set diagonally for across belt sanding.



New Dual Dust Collector PD3066105 collects dust from disc as well as belt. Large flame proofed dust bag—plastic covered wire hose—Y connector has baffle plate for maximum suction to belt or disc.

## 6" BELT & 10" DISC SANDER UNITS—WITH CABINET BASES

**PD306690** Belt & Disc Sander Unit—Less Motor.....Wt. 162 lbs.  
Consists of:

PD3066	Sander	360228	28" V Belt
P306691	Cabinet Base	340250	5/8" Bore Pulley
PD3066105	Dust Collector	340650	5/8" Bore Pulley
360247	47" V Belt		

**PD3066905** Belt & Disc Sander Unit—Single Phase Motor.....Wt. 197 lbs.  
Consists of:

PD306690	Sander Unit	330110	10' Cord & Plug
3763	Switch	3920SEBC	1/2 H.P. Motor

**PD3066906** Belt & Disc Sander Unit—Three Phase Motor.....Wt. 197 lbs.  
Consists of:

PD306690	Sander Unit	3925SEB	1/2 H.P. Motor
3764	Switch		

## 6" BELT & 10" DISC SANDER UNIT—WITH STEEL STAND

**PD306661** Belt & Disc Sander Unit—Less Motor & Switch.....Wt. 138 lbs.  
Consists of:

PD3066	Sander	360244	44" V Belt
3161	Steel Stand	360237	37" V Belt
M3066105	Dust Collector	340250	5/8" Bore Pulley
316115	Mounting Channel	340650	5/8" Bore Pulley
301588	Rubber Feet		

**PD3066** Belt & Disc Sander Only.....Wt. 97 lbs.

## OPTIONAL ACCESSORIES

P306691	Cabinet Base	Wt. 52 lbs.
M3066105	Dust Collector for Belt Sanding Only	Wt. 8 lbs.
PD3066105	Dual Dust Collector for Belt & Disc Sanding	Wt. 12 lbs.
M306645	Fence Assembly	Wt. 7 lbs.
P306660	Work Table 7 1/4" x 13 1/2"	Wt. 12 lbs.
M306655	Mitre Gauge for P306660	Wt. 3 lbs.
301586	Remote Control Switch (For Steel Stand) 1 Ph.	Wt. 1 lb.
3253	Disc Adhesive	Wt. 6 oz.
3249*	Alum. Oxide Belts for Metal 6" x 48"	
G3249*	Garnet Belts for Wood 6" x 48"	
G3265*	Garnet 10" Discs for Wood (Pkg. of 6)	
A3265*	Alum. Oxide 10" Discs for Metal (Pkg. of 6)	
GP3266*	Garnet 10" Discs for Wood (Pressure Sensitive)	
AP3266*	Alum. Oxide 10" Discs for Metal (Pressure Sensitive)	

\*(Specify fine—medium or coarse grit)

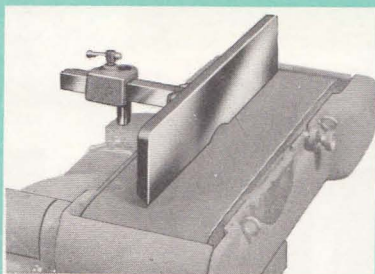


# DURO

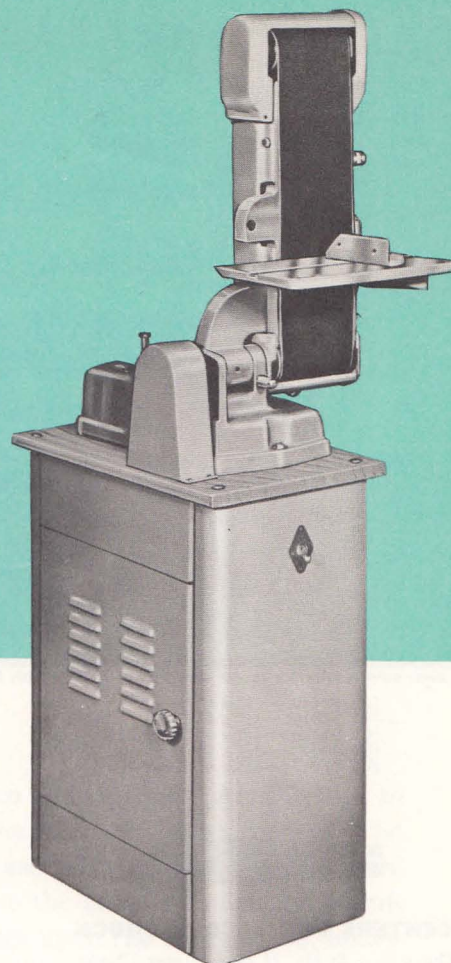
## 6" BELT SANDER



Spout can be connected to central dust collecting system or to exclusive Duro built in dust collector.



View shows M306645 Fence Assembly which can be moved across the belt and tilted 45° in either direction. Fence can also be set diagonally for across belt sanding.



Heavy Duty Belt Sander can be used in horizontal or vertical position or at any angle in between. Ideal for sanding, deburring and other operations in both metal and wood.

Outstanding features include: sealed, lubricated for life ball bearings; pre-loaded belt tensioner (for quick changing of belts); hinged cover opens for contour sanding on idler drum.

There is a fully adjustable fence and a built in dust collector available as accessories.

### ORDERING INFORMATION

**P306690** Belt Sander Unit—Less Motor..... Wt. 150 lbs.

Consists of:

P3066	Sander	360247	47" V Belt
P306691	Cabinet Base	340250	5/8" Bore Pulley
M306698	Guard		

**P3066905** Belt Sander Unit—Single Phase Motor..... Wt. 180 lbs.

Consists of:

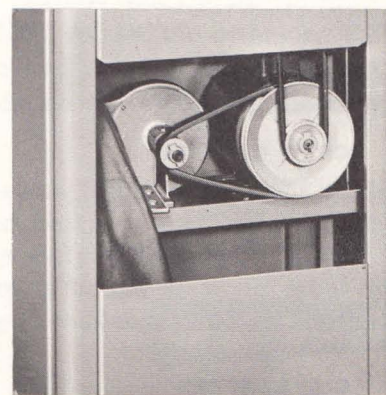
P306690	Sander Unit	330110	10' Cord & Plug
3763	Switch	3920SEBC	1/2 H.P. Motor

**P3066906** Belt Sander Unit—Three Phase Motor..... Wt. 180 lbs.

Consists of:

P306690	Sander Unit	3925SEB	1/2 H. P. Motor
3764	Switch		

**P3066** Sander with Tilt Table, Mitre Gauge, Aluminum Oxide Belt. Wt. 90 lbs.



View shows No. M3066105 dust collector. Operates off same motor that runs tool.

### OPTIONAL ACCESSORIES

<b>P306691</b>	Cabinet Base	Wt. 50 lbs.
<b>M306698</b>	Belt and Pulley Guard	Wt. 3 lbs.
<b>M3066105</b>	Dust Collector for Belt Sanding Only	Wt. 8 lbs.
<b>340650</b>	6 1/2" x 5/8" Bore Pulley, use with M3066105	Wt. 1 lb.
<b>360230</b>	30" V Belt, use with M3066105	Wt. 6 oz.
<b>M306645</b>	Fence Assembly	Wt. 7 lbs.
<b>P306660</b>	Work Table 7 1/4" x 13 1/2"	Wt. 12 lbs.
<b>M306655</b>	Mitre Gauge for P306660	Wt. 3 lbs.
<b>3249*</b>	Alum. Oxide Belts for Metal 6" x 48"	
<b>G3249*</b>	Garnet Belts for Wood 6" x 48"	

\*(Specify fine—medium or coarse grit)

### SPECIFICATIONS

Sanding belt size.....	6" x 48"
Drums.....	3" Dia.
Overall length, horizontal.....	25 1/2"
Overall height, vertical.....	27 1/4"
Overall width.....	16 1/2"
Bearings.....	4 ball
Table supporting belt.....	6 1/2" x 16 1/2"
Auxiliary tilt, table.....	7 1/4" x 13 1/2"
Auxiliary table tilts.....	In 15° Out 45°
Export boxed 9.25 cu. ft.....	135 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



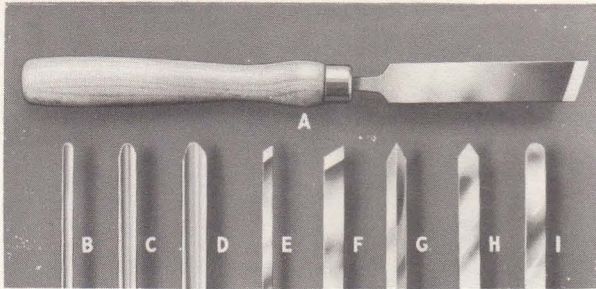
# DURO

## LATHE ACCESSORIES

### FOR GREATER VERSATILITY

The usefulness of a lathe is increased greatly when a complete line of accessories is purchased. The expenditure of only a fraction of the cost of the machine will convert a lathe for drilling, grinding, buffing and sanding. Simplicity of design makes the

set-up for each accessory a matter of seconds. Because each accessory is rugged in construction and accurate in machining, all become indispensable once they are owned and used. See your dealer.



#### LATHE CHISELS

These chisels are made from a high quality crucible steel—carefully hardened and tempered to produce a keen cutting edge for longer life. Wood handles with ferrule app. 8" long.

- |                            |                                       |
|----------------------------|---------------------------------------|
| (A) 320109—1" x 4" Skew.   | (F) 320102—1½" x 4" Skew.             |
| (B) 320106—1½" x 4" Gouge. | (G) 320105—1½" x 4" Parting.          |
| (C) 320103—1½" x 4" Gouge. | (H) 320108—1½" x 4" Spear Point.      |
| (D) 320104—3½" x 5" Gouge. | (I) 320107—1½" x 4" Round Nose.       |
| (E) 320101—1½" x 4" Skew.  | 3201A—Set of 5 chisels C, D, E, F, G. |
|                            | 3201C—Set of 9 chisels                |



#### CENTERS FOR JACOBS CHUCK

One end to fit No. 33 Jacobs Taper Chucks, other end has either No. 1 or 2 Morse Taper.

- 305366—For No. 1 Morse Taper.  
A0233—For No. 2 Morse Taper.



#### SCREW CENTERS

Use with any lathe with specified Morse tapers. Accurately machined and ground. Screw is removable and may be replaced.

- 305327—Screw Center No. 1 Morse Taper.  
305660—Screw Center No. 2 Morse Taper.



#### CUP CENTERS

Accurately machined and ground; with removable points that can be replaced.

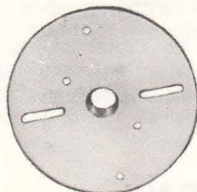
- 305317—Cup Center No. 1 Morse Taper.  
305626—Cup Center No. 2 Morse Taper.



#### SPUR CENTERS

Accurately ground taper, with machined spurs and removable points.

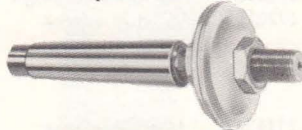
- 305307—Spur Center No. 1 Morse Taper.  
305639—Spur Center No. 2 Morse Taper.



#### FACE PLATES

Wood block is screwed to face plate for turning hollow in bowls, etc. Heavy grey iron with face, hub and rim machined for true and balanced running.

- 305020 —3½" Face Plate ½" Bore Unthreaded.  
305326 —3½" Face Plate ¾"-16 Thread.  
3057191—3½" Face Plate 1½"-7 Thread.  
\*3057201—3½" Face Plate 1½"-7 Thread.  
305311 —6" Face Plate ¾" Bore Unthreaded.  
3053111—6" Face Plate ¾"-16 Thread.  
\*3057171—6" Face Plate 1½"-7 Thread.  
3057181—6" Face Plate 1½"-7 Thread.  
\*For outboard spindle. Have left hand thread.



#### WHEEL ARBORS

For mounting grinding wheel, scratch brush or buffing wheel. Arbor takes wheel ½-inch bore up to 1" width. Threaded ½"-24 can be used with chucks 3140A and 3146A as well.

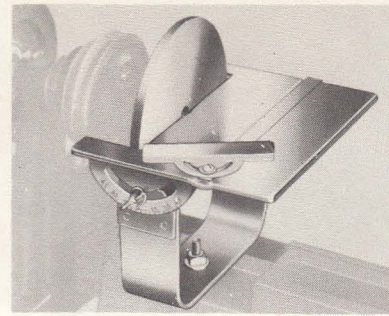
- 305370—Wheel Arbor No. 1 Morse Taper.  
305670—Wheel Arbor No. 2 Morse Taper.



#### CHUCK CENTERS

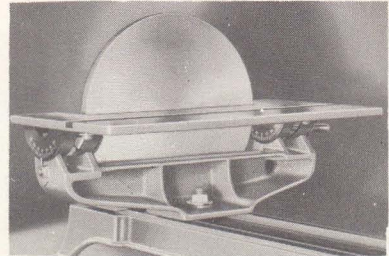
The ½-inch chuck is screwed onto the center, which is threaded ½-inch—24, one end and Morse Taper on other end.

- 3146D —Chuck Center No. 1 Morse Taper.  
3146C —Chuck Center No. 2 Morse Taper.



Sanding attachment for 3052 Lathe has 6" Disc, tilting table with mitre gauge.

- 305224—Sanding attachment.  
3257 —6" Garnet Discs—Assorted.  
3253 —Disc adhesive.



#### SANDING ATTACHMENTS

Converts lathe into an efficient disc sander. 10" disc threaded for attaching to spindle nose, grey iron table and frame attach to bed with tool rest clamp. 10" x 16" table tilts to 45° either direction. Mitre gauge extra.

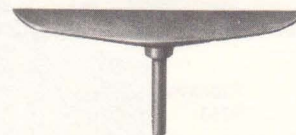
- 305767—Sanding attachment for 3057.  
301221—Mitre gauge for above.  
G3265 —10" Garnet Discs. F.M.C. (Pkg. of 6)  
A3265 —10" Alum. Oxide Disc. F.M.C. (Pkg. of 6)



#### TOOL REST HOLDERS

Heavy grey iron, accurately machined holders.

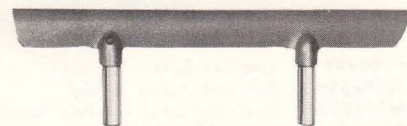
- 305312—Tool rest holder for 3053-3054 Lathes.  
305607—Tool rest holder and wheel for 3057 Lathe.



#### SINGLE TOOL RESTS

Heavy grey iron with carefully machined shanks to fit tool rest holders for specified lathes—3053 tool rests have ¾-inch shank; 3056 have 1-inch shank.

- 305313—12" Tool rest for 3053-3054 Lathes.  
305605—4" Tool rest for 3057 Lathe.  
305604—12" Tool rest for 3057 Lathe.



#### DOUBLE TOOL RESTS

Larger tool rests are convenient for turning long pieces and require one additional tool rest holder. 3053 tool rests have ¾-inch shank, 3056 have 1-inch shanks.

- 305324—18" Double tool rest for 3053-3054 Lathe.  
305606—24" Double tool rest for 3057 Lathe.

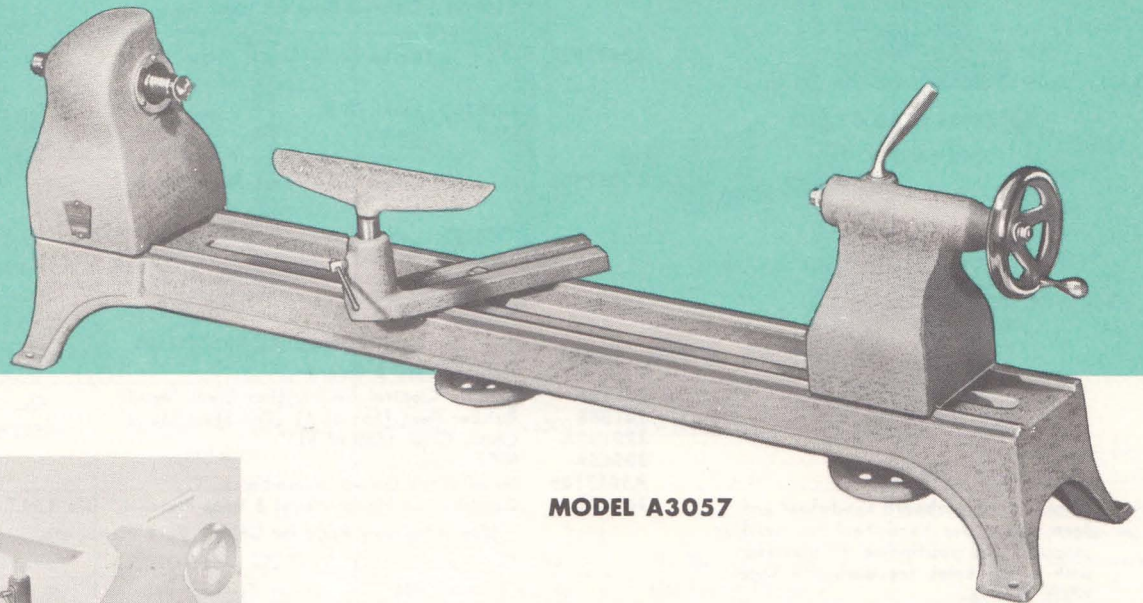
**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



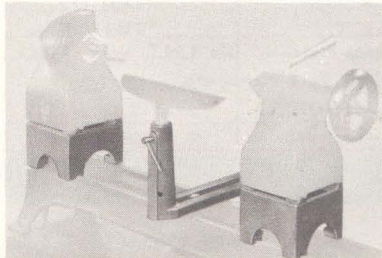
# DURO

*Production*

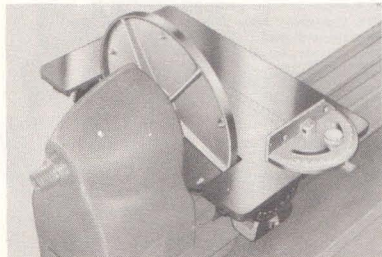
## 14" x 38" LATHE



**MODEL A3057**



**PILLAR BLOCKS** increase swing to 22" — Cast Iron accurately machined for alignment. High tool rest holder included. **305735**—Pillar Blocks.



**SANDING ATTACHMENT** has 10"x16" table slotted for Mitre Gauge. Tilts 45° right or left. Includes 10" balanced cast disc. **305767**—Sanding Attach. less mitre gauge. **301221**—Mitre Gauge.

The Duro Production Lathe is not only a large, accurate and durable machine, but has basic features of construction that give greater convenience and utility. The heavy bed provides stability and the precision "V" and flat ways assure positive alignment of head and tailstock. Handwheels lock the tailstock and the tool rest to the bed and give greater capacity over the tool rest holder than other locks. Pillar Blocks to increase the swing over the bed are available as an accessory. These and other features are offered by Duro only.

The head and tailstock spindles are machined for No. 2 Morse taper centers and adaptors. Two New Departure Ball Bearings mount the spindle in the head casting and resist all radial and thrust loads. The 4-step headstock indexing pulley is guarded and is provided with a convenient indexing device.

Standard equipment includes, Spur Center, Cup Center, 66" V Belt Outboard Spindle Guard and 12" Tool Rest

### **SPECIFICATIONS...**

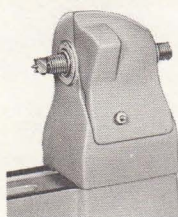
### **DURO A3057—14" x 38" LATHE**

Swing over bed .....14"  
Swing over bed with pillar blocks.....22"  
Distance between centers.....38"  
Spindle thread INBOARD.....1 1/8"-7  
Spindle reverse threads OUTBOARD.....1 1/8"-7  
Hole through spindle.....9/16"  
Head and tailstock spindle taper.....#2 Morse

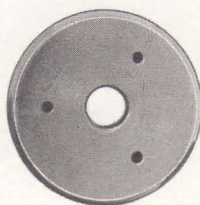
Headstock pulley .....Indexing  
Sealed Ball Bearings.....2  
Overall length 54 1/2"....Width 10"....Height 14"  
Speed range (1725 R.P.M. motor) . . . 850-3450 R.P.M.  
Tool rest length .....12"  
Shipping weight domestic.....112 lbs.  
Export boxed.....10.2 cu. ft.....159 lbs.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**





**A3057105 REAR GUARD**  
(FOR HEADSTOCK)



**305725**

Combination outboard handwheel and face plate. Use handwheel for quick stopping and positioning. 5" diameter with screw holes for outboard face plate turning.

Cabinet Base made of steel with an oak top affords maximum safety (all possible moving parts are concealed) plus the utmost in utility (base under tail stock has provision for two storage shelves). Doors on both bases are hinged, making either compartment readily accessible. Chisel clips can be easily attached to wood top, for convenient location of turning chisels.

## 14" x 38" LATHE UNITS—WITH CABINET BASE

**A305790** 14" x 38" Lathe Unit—Less Motor.....Wt. 212 lbs.

Consists of:

A3057	Lathe	305617	5/8" Bore Pulley
C305791	Cabinet Base & Guard		

**A3057905** 14" x 38" Lathe Unit—Single Phase Motor.....Wt. 242 lbs.

Consists of:

A305790	Lathe Unit	330110	Cord & Plug
3763	Switch	3920SEBC	1/2 H.P. Motor

**A3057906** 14" x 38" Lathe Unit—Three Phase Motor.....Wt. 242 lbs.

Consists of:

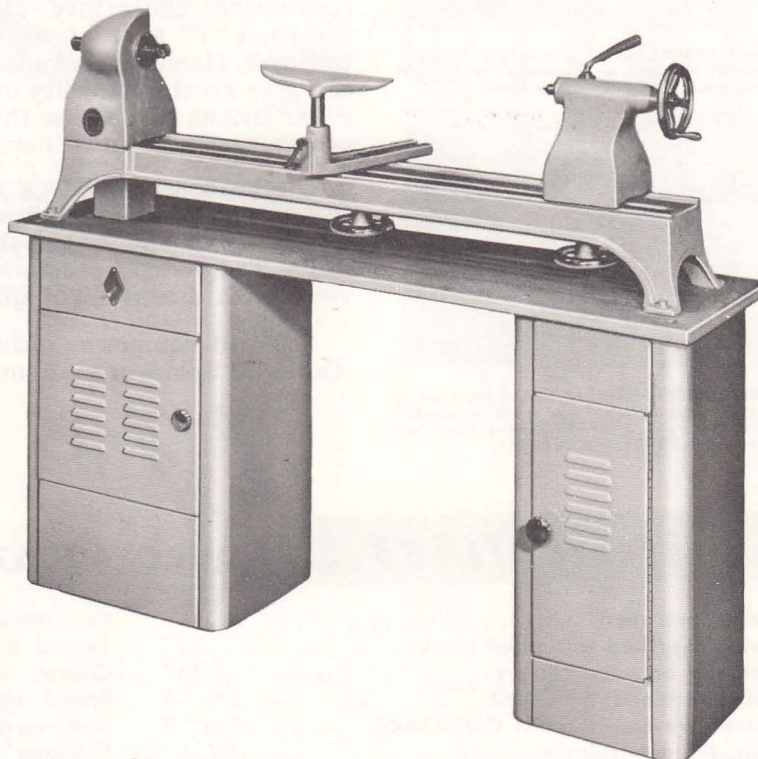
A305790	Lathe Unit	3925SEB	1/2 H.P. Motor
3764	Switch		

**A3057** 14" x 38" Lathe Only.....Wt. 112 lbs.

## OPTIONAL ACCESSORIES

C305791	Cabinet Base & Guard.....	Wt. 101 lbs.
301586	Remote Control Switch (For Steel Stand).....	Wt. 1 lb.
301588	Rubber Feet (Set of 4) (For Steel Stand).....	Wt. 1 lb.
320100A	Chisel Clips (Set of 6).....	Wt. 1 lb.
305656	60° Center.....	Wt. 4 oz.
A3057105	Head Stock Guard Assembly.....	Wt. 5 lbs.
305725	Combination Hand Wheel & Face Plate—5" Dia. L.H.T. Wt. 3 lbs.	

(See Accessory Page for Chisels, Face Plates, etc.)





# DURO

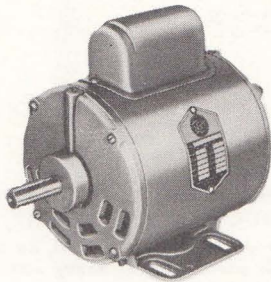
## MOTORS AND BENCH GRINDERS

DESIGNED FOR

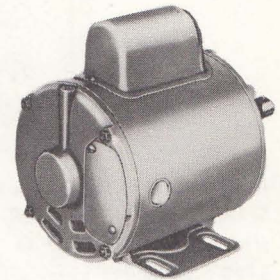
PERFORMANCE

QUALITY

VALUE



CAPACITOR TYPE—FRONT



CAPACITOR TYPE—REAR

General purpose Heavy Duty Ball Bearing motors for Power Tools, Air Compressors, Pumps, Farm Machinery, Blowers, Fan Service and many other uses. Capacitor type motors recommended for Air Compressors and Pumps. Fully guaranteed against defective workmanship or material for period of one year from date of purchase provided they have not been subjected to abuse, neglect, damage or overload.

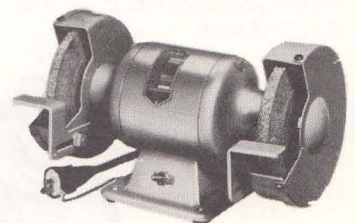
Cat. No.	H.P.	Type	Brgs.	Voltage	Cycle	Phase	R.P.M.	Shaft Dia.	Ship. Wt.
† 3910 SEB	1/3	Split	Ball	115	60	1	1725	5/8" Sgle. End	26
3910 SESCX	1/3	Capacitor	Slve.	115/230	60	1	1725	5/8" Sgle. End	26
3910 SEBC	1/3	Capacitor	Ball	115/230	60	1	1725	5/8" Sgle. End	27
3911 SEB	1/3	Polyphase	Ball	208/220/440	60/50	3	1725/1425	5/8" Sgle. End	26
† 3920 DEBC	1/2	Capacitor	Ball	115/230	60	1	1725	5/8" Dbl. End	34
3920 SEBC	1/2	Capacitor	Ball	115/230	60	1	1725	5/8" Sgle. End	32
3921 SEBC	1/2	Capacitor	Ball	115/230	60	1	3450	5/8" Sgle. End	28
3925 SEB	1/2	Polyphase	Ball	208/220/440	60/50	3	1725/1425	5/8" Sgle. End	32
3930 SEBC	3/4	Capacitor	Ball	115/230	60	1	1725	5/8" Sgle. End	41
3931 SEB	3/4	Polyphase	Ball	208/220/440	60/50	3	1725/1425	5/8" Sgle. End	39
• 3941 SEBCTE	1	Capacitor	Ball	115/230	60	1	3450	5/8" Sgle. End	42
• 3942 SEBTE	1	Polyphase	Ball	208/220/440	60	3	3450	5/8" Sgle. End	42
• 3947 SEBCTE	1 1/2	Capacitor	Ball	115/230	60	1	3450	3/4" Sgle. End	50
• 3950 SEBTE	1 1/2	Polyphase	Ball	208/220/440	60	3	3450	3/4" Sgle. End	50
• 3953 SEBTE	2	Polyphase	Ball	208/220/440	60	3	3450	3/4" Sgle. End	67

10 Foot Electric Cord and Plug for use with motors — See 330110 and 330220

† Has Cord Set & Switch.

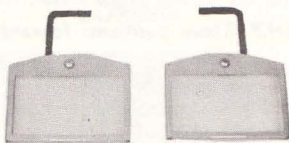
• Totally Enclosed, Fan Cooled.

DURO BENCH GRINDERS, with Standard Duty Ball Bearing motors, permit smooth, quiet, and efficient operation. Guards, of ample size for using wire brushes, are equipped with adjustable work rests. Grinders complete as illustrated with cord, plug, switch and two grinding wheels—ready to operate.



A3970  
A3975

Cat. No.	H.P.	Voltage	Cycle	Phase	R.P.M.	Shaft Dia.	Wheel Size	Ship. Wt.
A3970	1/4	115	60/50	Single	3450/2850	1/2"	6" x 1/2"	31
A3975	1/3	115	60/50	Single	3450/2850	1/2"	6" x 3/4"	36



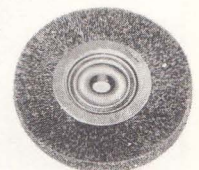
Steel frame adjustable eye shields fitted with shatter proof glass. Mounting screws and brackets included.

3778 Pr. Eye Shields.....Wt. 1 3/4 lbs.

Fine Quality Aluminum Oxide Vitrified Grinding Wheels,  
Precision Balanced for smooth operation.  
Also heavy duty, safety constructed, easy to use wire wheels.

3236C 3/4" x 6" Dia. grinding wheel 36 grit 1/2" Bore Wt. 2 lbs.  
3236F 3/4" x 6" Dia. grinding wheel 60 grit 1/2" Bore Wt. 2 lbs

3226H 1" x 6" Dia. wire wheel (app. 1" Face) 1/2" Bore Wt. 2 lbs.

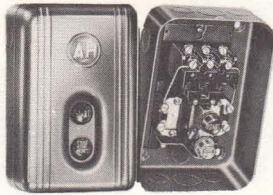


DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.



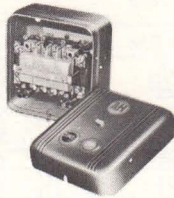
# SWITCHES and STARTERS

U. L. Approved



MANUAL STARTERS, with overload protection. Has buttons for START - STOP - RESET. Drill press mounting bracket and heater elements included. Size O

- 3780** Single (1) phase 115/230 Volts 50/60 Cycle...Wt. 6 lbs.  
**3781** Three (3) phase 220/440 Volts 50/60 Cycle...Wt. 6 lbs.



MAGNETIC STARTERS, with OVERLOAD and UNDER VOLTAGE protection. Has buttons for START - STOP - RESET. Drill press mounting bracket and heater elements included. Size O

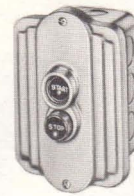
- 3785** Single (1) phase 115 Volt 50/60 Cycle.....Wt. 7½ lbs.  
**3786** Single (1) phase 230 Volt 50/60 Cycle.....Wt. 7½ lbs.  
**3787** Three (3) phase 220 Volt 50/60 Cycle.....Wt. 7½ lbs.  
**3788** Three (3) phase 440 Volt 50/60 Cycle.....Wt. 7½ lbs.

When ordering above switches and starters, the following information must be furnished to include proper heater elements: H.P., R.P.M., Phase, Voltage, Speed and/or Amps.



DOUBLE POLE TOGGLE SWITCH—Positive in action, insuring complete current cut-off. Brings control of tools in easy reach. Use with motors up to 1 H.P. 220 Volts. Complete with instructions for installing.

- 301586** Switch—with steel box cover, 2 wire cord 5' & cord clips .....Wt. 1 lb.  
**302470** Switch only—less box, cord & clips .....Wt. 6 oz.



LOCK TYPE TOGGLE OPERATED SWITCH with "OFF-ON"  
 PUSH BUTTON OPERATED SWITCH with "STOP-START"

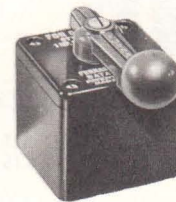
Switches are full voltage non-reversing, manual control, no overload protection. Large terminals permit use of heavy wire, has insulating barriers between terminals.

## SINGLE PHASE

- 301840** Two pole toggle switch with box & cover, for surface mounting. Rated: 1 hp. 115v—1½ hp. 230v., Wt. 2 lbs.  
**D301745** Two pole toggle switch with box, off-on plate, 2 wire #14 cord 4' and 3 connectors. Flush mounting. Rated: 1 hp. 115 v—1½ hp. 230v., Wt. 2 lbs.  
**3761** Two pole toggle switch with box, off-on plate, 2 wire #16 cord 3' and 3 connectors. Flush mounting. Rated 1 hp. 115v—1½ hp. 230v., Wt. 2 lbs.  
**3763** Two pole push button switch with box, cover, 2 wire #16 cord 3' and 4 connectors. Flush mounting, use on cabinet bases. Rated: 1 hp. 115v—1½hp. 230 v., Wt. 3 lbs.

## THREE PHASE

- 301843** Three pole toggle switch with box & cover, for surface mounting. Rated: 2 hp. 220v—3 hp. 440 v., Wt. 2 lbs.  
**D301746** Three pole toggle switch with box, off-on plate, 3 wire #14 cord 4' and 3 connectors. Flush mounting. Rated: 2 h.p. 220v—3 hp. 440v., Wt. 2 lbs.  
**3762** Three pole toggle switch with box, off-on plate, 3 wire #16 cord 3' and 3 connectors. Flush mounting. Rated: 2 h.p. 220v—3 hp. 440v., Wt. 2 lbs.  
**3764** Three pole push button switch with box, cover, 3 wire #16 cord 3' and 4 connectors. Flush mounting, use on cabinet bases. Rated: 2 hp. 220 v—3 hp. 440 v., Wt. 2 lbs.



REVERSING SWITCH—For use on any single phase, three phase or D.C. motor up to 1 H.P. Three positions: forward, off and reverse.

- A3760** Reversing Switch .....Wt. 2 lbs.

## CORDS AND PLUGS

- 330110** 10' Three Wire cord (#16) with "parallel" grounding plug—for 110V single phase motors.  
**330114** 10' Three Wire cord (#14) with "parallel" grounding plug—for 110V single phase motors.  
**330220** 10' Three Wire cord (#16) with "tandem" grounding plug—for 220V single phase motors.  
**330224** 10' Three Wire cord (#14) with "tandem" grounding plug—for 220V single phase motors.  
**330330** 7' Three Wire cord only (#12) for use with motors up to 2 H.P. for 10" T.A. Saw.

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**

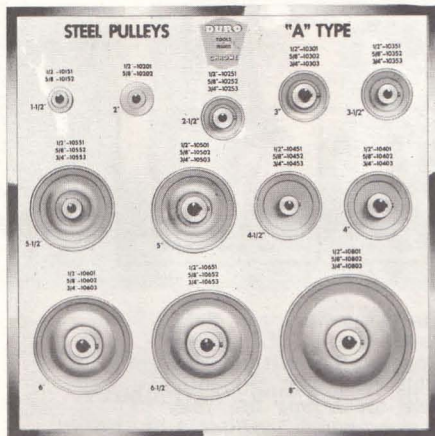


# DURO PULLEYS

Duro Pulleys are made superior in quality and accuracy. The metal used in our die cast pulleys is of our own specifications. Steel pulleys are made of selected steel, with a specially designed driving method, insuring more positive drive between the solid

steel hub and flanges. All pulleys are precision bored for greater accuracy.  $\frac{5}{8}$ " and  $\frac{3}{4}$ " bore have standard keyways. Merchandising displays listed below are 24" x 24" and included with assortment.

**Steel V-Pulleys**  
"A" Section (For  $\frac{1}{2}$ " V-Belts)

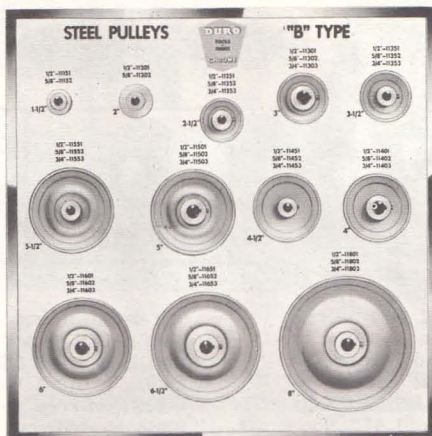


NO. 20232

Quan.	No.	Dia.	Bore
1	10151	1½"	½"
2	10152	1½"	¾"
1	10201	2"	½"
2	10202	2"	¾"
1	10251	2½"	½"
2	10252	2½"	¾"
1	10253	2½"	¾"
1	10301	3"	½"
2	10302	3"	¾"
1	10303	3"	¾"
1	10351	3½"	½"
2	10352	3½"	¾"
1	10353	3½"	¾"
1	10401	4"	½"
2	10402	4"	¾"
1	10403	4"	¾"
1	10451	4½"	½"
2	10452	4½"	¾"
1	10453	4½"	¾"
1	10501	5"	½"
2	10502	5"	¾"
1	10503	5"	¾"
1	10551	5½"	½"
2	10552	5½"	¾"
1	10553	5½"	¾"
1	10601	6"	½"
2	10602	6"	¾"
1	10603	6"	¾"
1	10651	6½"	½"
1	10652	6½"	¾"
1	10653	6½"	¾"
1	10801	8"	½"
1	10802	8"	¾"
1	10803	8"	¾"

NO. 20232 "A" SECTION PULLEY DISPLAY  
WT. 55.19 LBS.

**Steel V-Pulleys**  
"B" Section (For  $\frac{5}{8}$ " V-Belts)

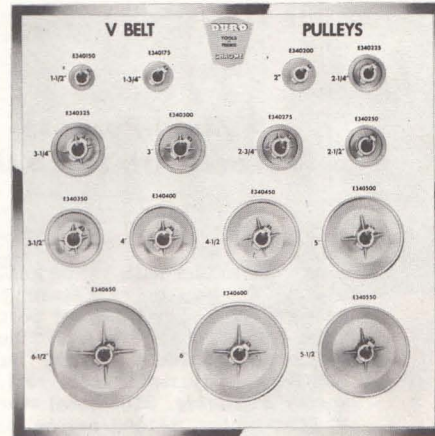


NO. 20233

Quan.	No.	Dia.	Bore
1	11151	1½"	½"
2	11152	1½"	¾"
1	11201	2"	½"
2	11202	2"	¾"
1	11251	2½"	½"
2	11252	2½"	¾"
1	11253	2½"	¾"
1	11301	3"	½"
2	11302	3"	¾"
1	11303	3"	¾"
1	11351	3½"	½"
2	11352	3½"	¾"
1	11353	3½"	¾"
1	11401	4"	½"
2	11402	4"	¾"
1	11403	4"	¾"
1	11451	4½"	½"
2	11452	4½"	¾"
1	11453	4½"	¾"
1	11501	5"	½"
2	11502	5"	¾"
1	11503	5"	¾"
1	11551	5½"	½"
2	11552	5½"	¾"
1	11553	5½"	¾"
1	11601	6"	½"
2	11602	6"	¾"
1	11603	6"	¾"
1	11651	6½"	½"
1	11652	6½"	¾"
1	11653	6½"	¾"
1	11801	8"	½"
1	11802	8"	¾"
1	11803	8"	¾"

NO. 20233 "B" SECTION PULLEY DISPLAY  
WT. 55.13 LBS.

**Die Cast V-Pulleys**  
"A" Section (For  $\frac{1}{2}$ " V-Belts)



NO. 20234

Quan.	No.	Dia.	Bore
2	340150	1½"	½"
1	340150	1½"	¾"
1	340175	1¾"	½"
2	340175	1¾"	¾"
2	340200	2"	½"
1	340200	2"	¾"
1	340225	2¼"	½"
2	340225	2¼"	¾"
1	340250	2½"	½"
1	340250	2½"	¾"
1	340250	2½"	¾"
1	340275	2¾"	½"
1	340275	2¾"	¾"
1	340275	2¾"	¾"
1	340300	3"	½"
1	340300	3"	¾"
1	340300	3"	¾"
1	340325	3¼"	½"
1	340325	3¼"	¾"
1	340325	3¼"	¾"
1	340350	3½"	½"
1	340350	3½"	¾"
1	340350	3½"	¾"
1	340400	4"	½"
1	340400	4"	¾"
1	340400	4"	¾"
1	340450	4½"	½"
1	340450	4½"	¾"
1	340450	4½"	¾"
1	340500	5"	½"
1	340500	5"	¾"
1	340500	5"	¾"
1	340550	5½"	½"
1	340550	5½"	¾"
1	340550	5½"	¾"
1	340600	6"	½"
1	340600	6"	¾"
1	340600	6"	¾"
1	340650	6½"	½"
1	340650	6½"	¾"
1	340650	6½"	¾"

NO. 20234 "A" SECTION PULLEY DISPLAY  
WT. 41.81 LBS.



## 4-STEP PULLEYS

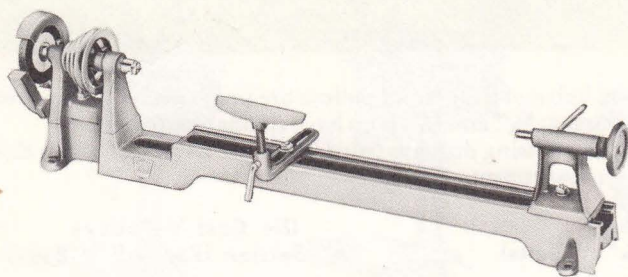
No.	Dia. in Inches	Bore
A300604	4½, 4, 3½, 3	½", ¾", ¾"
A300613	3, 2¾, 2¼, 1¾	½", ¾", ¾"
*305331	4, 3¼, 2½, 1¾	½", ¾", ¾"
305617	4½, 3¾, 3, 2¼	½", ¾", ¾", 1"
*3056175	4½, 3¾, 3, 2¼	1"
341505	4, 3¾, 2½, 1¾	½", ¾", ¾"
*341506	5, 4, 3, 2	½", ¾", ¾"

\*Indexed Pulley

**DURO METAL PRODUCTS CO., 2651 N. KILDARE, CHICAGO 39, ILL.**



## DURO 8" x 27" Utility Lathe

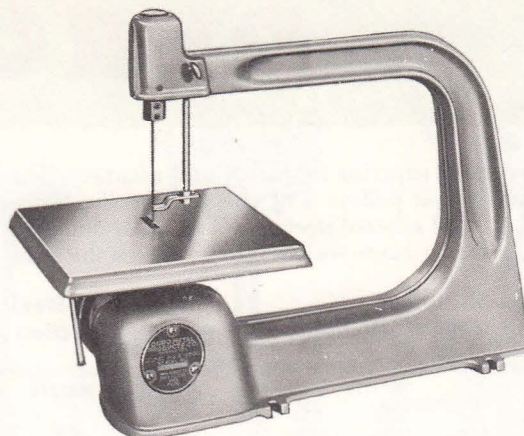


### A Multi-Purpose Tool with Extra Utility

Low cost model with remarkable strength and utility. 4" gap in cast iron bed allows 10" swing over bed, remaining portion of bed will take full 8" swing with 27" between centers. Removable spindle center, ball and bronze bearings. Adjustable tool rest. *Basic Accessories Available:* 3163 steel stand, 3910SESCX  $\frac{1}{3}$  H.P. motor, 341505 motor pulley and 47" V belt.

No. B3052—8" x 27" LATHE. . Ship. Wt. 29 lbs.

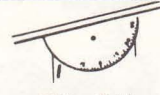
## DURO 12½" Jig Saw



Invisible  
Built-In Blower



Blade Adjustable  
to Cut in  
Any Direction

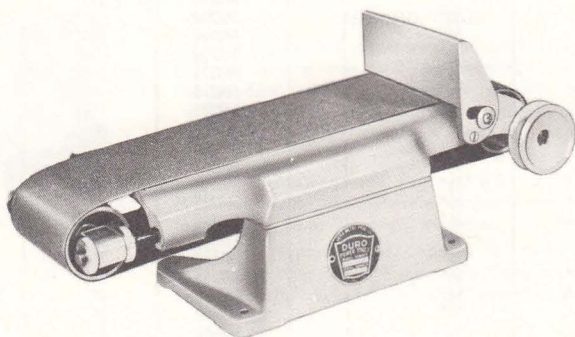


Tilting Table  
Tilts 45° and Locks  
at Any Angle

An outstanding value in the lower price field, this new jig saw makes cuts up to 3" in depth and has a full 12½" capacity. The tilting, precision ground work table is 9" x 9". Smooth, vibration-free mechanism for a long life. Has built in blower. *Basic Accessories Available:* 3174 stand, 3910SEB  $\frac{1}{3}$  H.P. motor, 2½" motor pulley and 32" V belt.

No. E3000—12½" JIG SAW. . Ship. Wt. 33 lbs.

## DURO 4" - 6" Belt Sander



### Easy to Use—Saves Countless Hours on Wood Finishing

Here is a newly designed Duro 4" sander, modern in design. This compact unit is ideal for deburring, plus a variety of jobs in both wood and metal. Crowned drums for better belt traction, can be used to sand curved or irregular surfaces. Four point mounting, plus cast iron construction provide for greater rigidity. Uses 4" x 36" sanding belts, has large stationary table for ample belt support. *Basic Accessories Available:* 3900SES  $\frac{1}{4}$  H.P. motor, 2½" motor pulley.

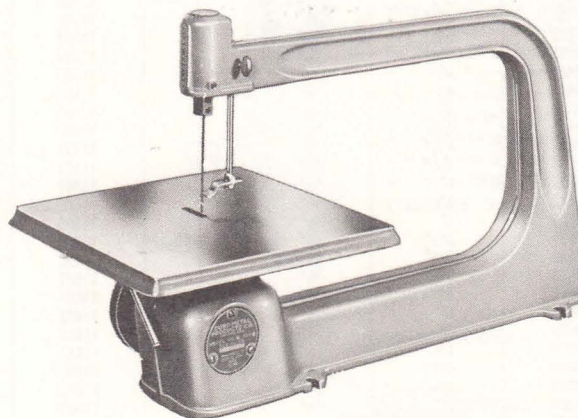
No. A3064—4" BELT SANDER

Ship. Wt. 18 lbs.

No. B3066—6" BELT SANDER similar to above, uses 6" x 48" Sanding Belt.

Ship. Wt. 34 lbs.

## DURO 16" Jig Saw



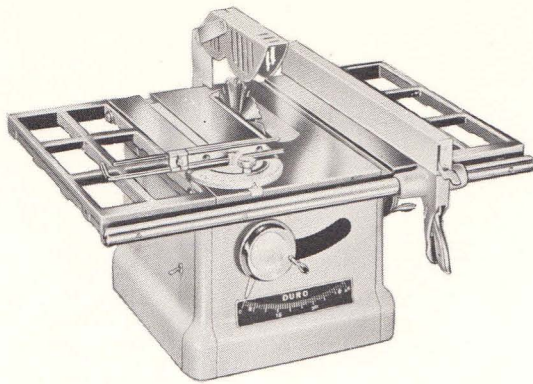
### Cuts Wood, Plastics, and Light Metals Up to 3" Thick!

A high speed utility saw with many exclusive features. Capacity from blade to frame, 16", with full 3" depth. Large 11" x 11" work table tilts to 45°. Simplified blade adjustments. Built in blower. *Basic Accessories Available:* 3174 stand 3910SEB  $\frac{1}{3}$  H.P. motor, 2½" motor pulley and 32" V belt.

No. D3003—16" JIG SAW. . . Ship. Wt. 38 lbs.



## DURO 8" Tilt Arbor Saw



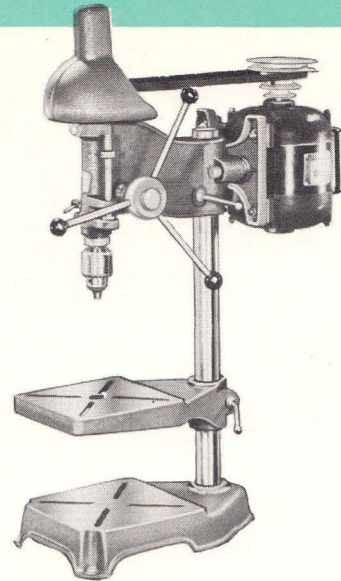
### A Precision Unit for Accurate Work

Duro brings you the biggest and best value on the market in this Tilt Arbor Design. Consider these outstanding features:  $2\frac{3}{8}$ " depth of cut  $90^\circ$ , 8" blade,  $\frac{5}{8}$ " ball bearing arbor, table measure  $26" \times 17\frac{1}{8}"$  with gridded extensions, distance ahead of blade  $7\frac{3}{8}"$ . Throat plate, mitre gauge, new style base, and special motor mount included as standard equipment. *Basic Accessories Available:* 3170 Stand, 3920SEBC  $\frac{1}{2}$  H.P. motor, 302470 Switch,  $4\frac{1}{2}"$  Pulley, 41" V Belt.

No. F3013—8" T.A. Saw less motor, ext. and switch. . . . . Ship. Wt. 56 lbs.

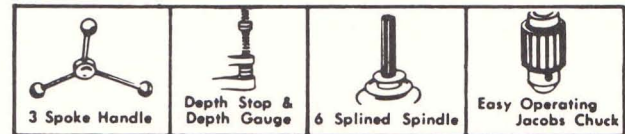
No. FG3013—8" T.A. Saw with ext. less motor and switch. . . . . Ship. Wt. 66 lbs.

## DURO 14" Drill Press

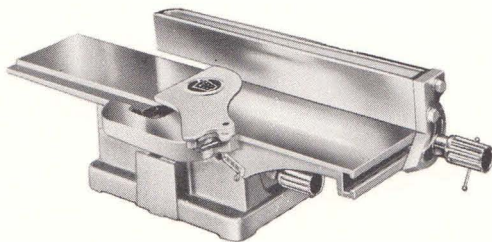


Moderately priced precision-built drill press. Drills to the center of 14" circle, has a Jacobs Key chuck  $\frac{5}{64}"$  to  $\frac{1}{2}"$ . Full vertical distance from base to chuck is  $13\frac{1}{4}"$ . Equipped with ball and bronze bearings. *Basic Accessories Available:* 3910SEB  $\frac{1}{2}$  H.P. motor.

No. F3083 DRILL PRESS, with motor pulley and V belt, less motor. . . . . Ship. Wt. 56 lbs.



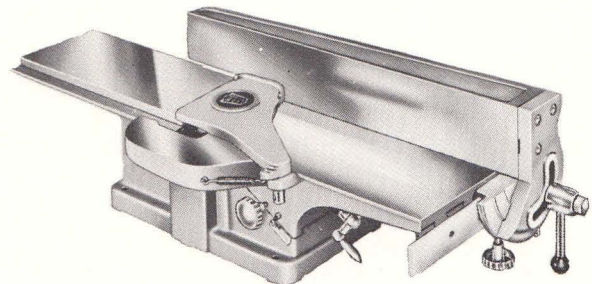
## DURO 4½" Jointer



This new sealed ball bearing jointer has a rabbeting capacity of  $\frac{1}{4}"$ . Maximum width of cut,  $4\frac{1}{2}"$ . Fence tilts to  $45^\circ$  either way, has indicator to show angle. *Basic Accessories Available:* 3161 steel stand, 3910SESCX  $\frac{1}{2}$  H.P. motor, 5" motor pulley and 41" V belt.

No. G3033—4½" JOINTER. . . Ship. Wt. 40 lbs.

## DURO 6" Jointer



This low-cost Jointer handles material up to a full 6" in width and  $\frac{1}{2}"$  in rabbeting depth. Large table is  $34\frac{3}{8}" \times 7\frac{3}{8}"$ . Ball bearings assure continuing smoothness and accuracy. *Basic Accessories Available:* 3161 steel stand, 3920SEBC  $\frac{1}{2}$  H.P. motor, 5" motor pulley and 46" V belt.

No. M3031—6" JOINTER. . . Ship. Wt. 113 lbs.

Refer to DUROMASTER catalog for additional specifications and prices.





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