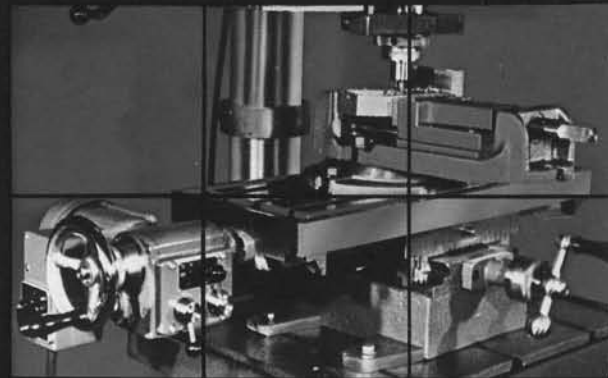
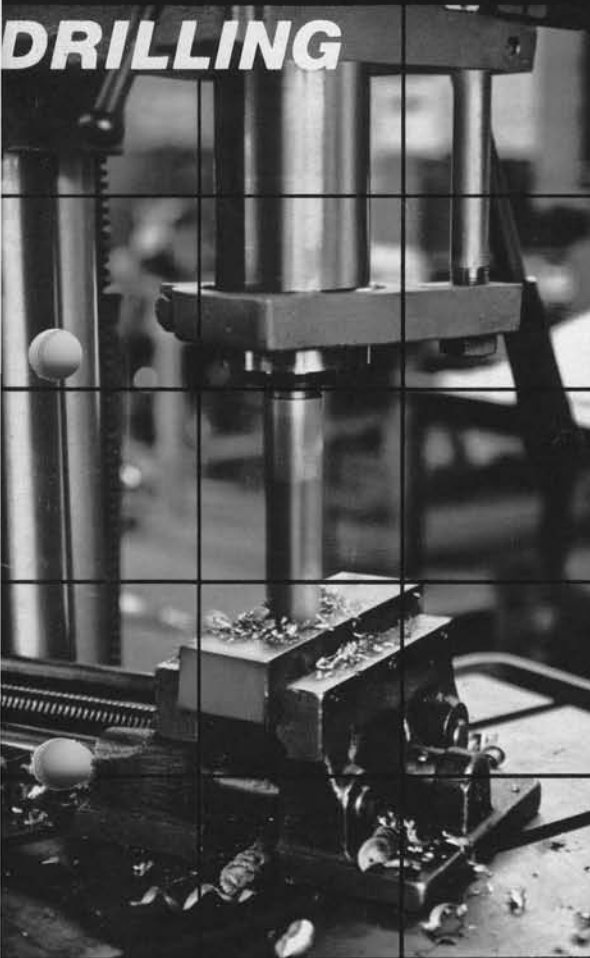
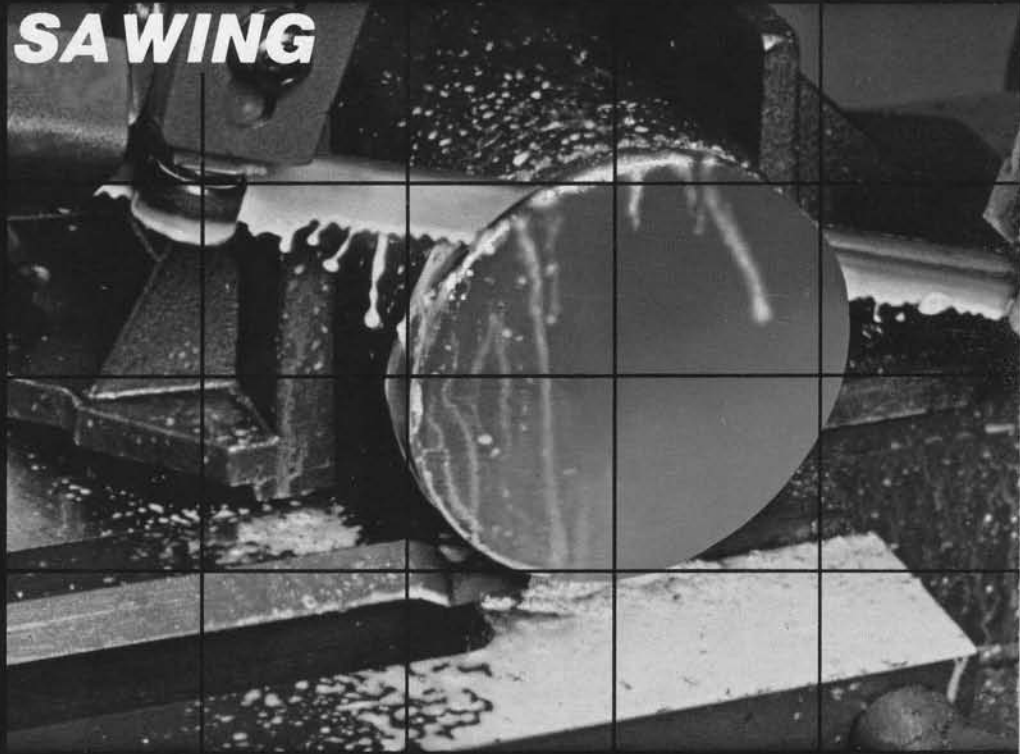


MACHINERY

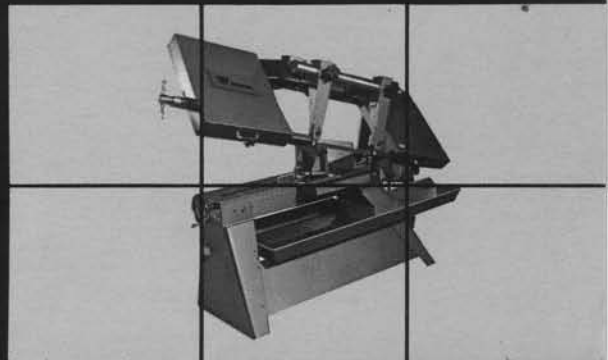
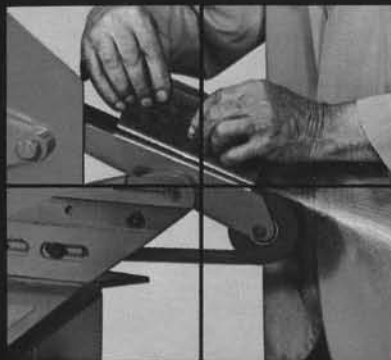
DRILLING



SAWING



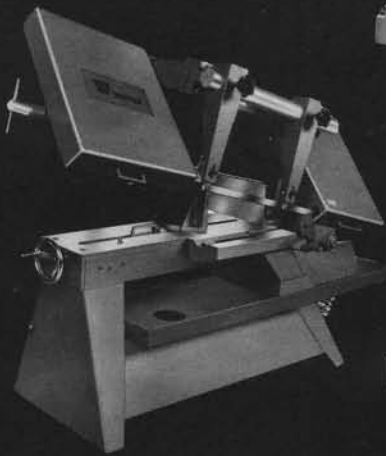
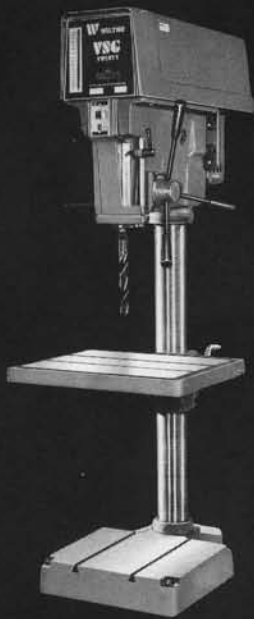
FINISHING



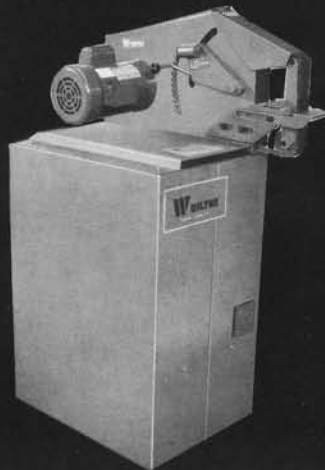
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INDUSTRIAL SUPPLIES

Innovative Metalworking Machinery from WILTON

**Drill Presses
and
Accessories
pages 5-32**



**Metal
Cutting
Saws
pages 33-46**



**Finishing
Machines
pages 47-53**

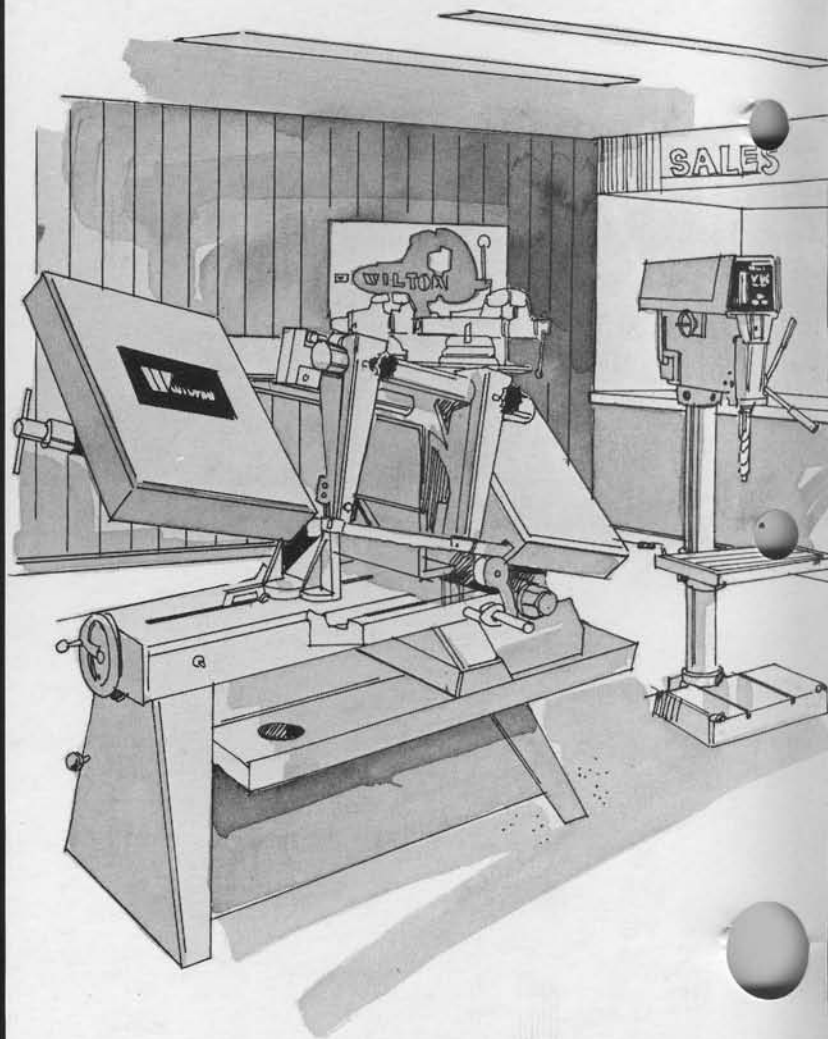
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An important "extra" with every Wilton machine.

Industrial distributors are an additional value behind every Wilton product. They're more than just a source of supply, they're a source of know-how that can work for you to boost productivity, and solve metalworking problems. Need help with an application? Call your industrial distributor.

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Wilton industrial distributors are up-to-date on product advancements and metalworking methods. This product and production technical expertise will make him a valued member of your team.



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Catalog and Distribution Code Numbering System

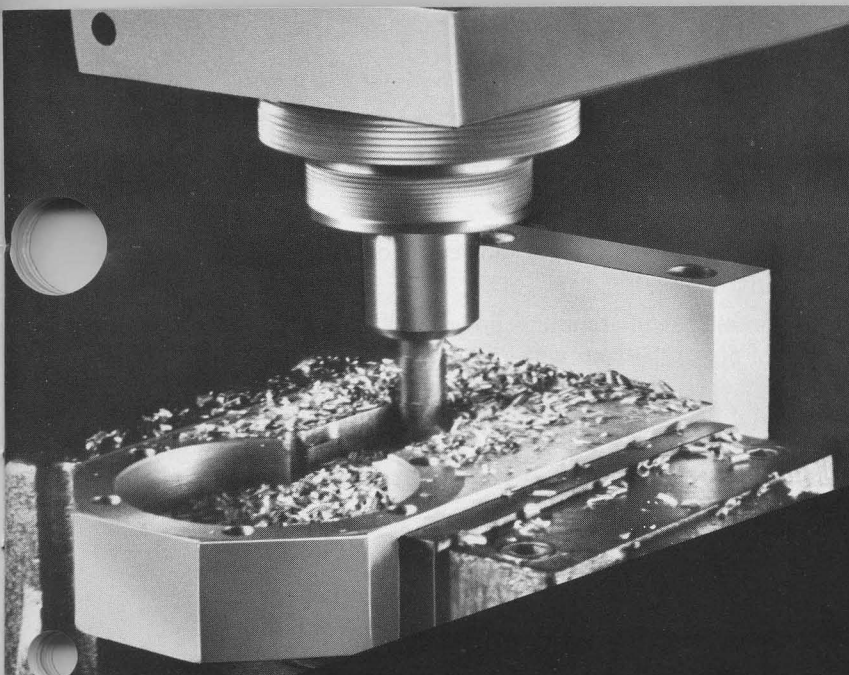
Wilton Corporation participates in the Distribution Code Institute product identification programs. All items in this catalog are covered by a Wilton catalog number and a distribution code number. This system of distribution codes is being developed to provide manufacturers with product numbers that are universally suitable and recognizable.

To order using this system, use Wilton's manufacturer code 697203 as a prefix to Distribution Code Numbers listed for the products you are specifying

Example: 697203-30200 Wilton Model 2015 20" VSG Drill Press

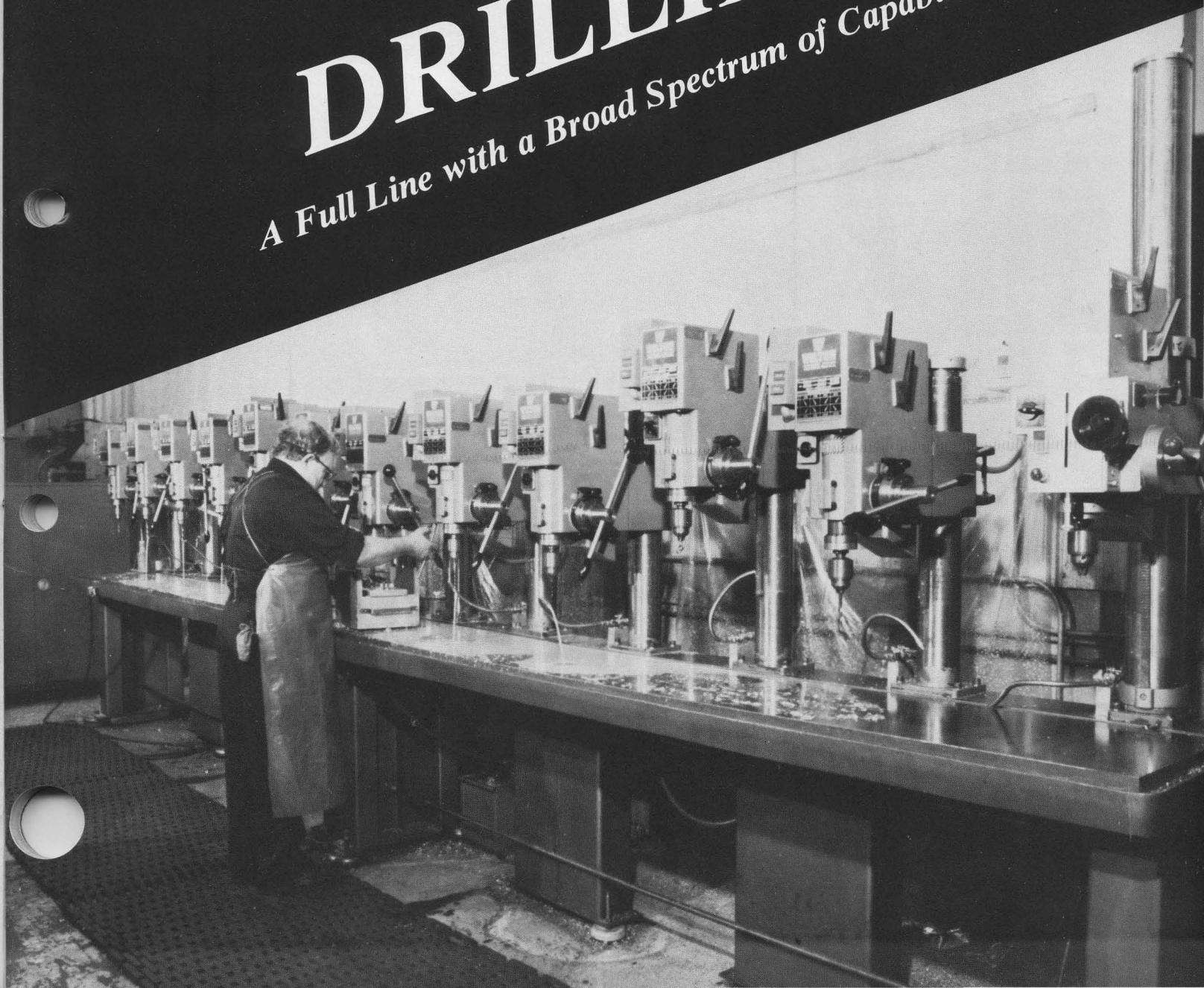


Wilton Corporation
2400 E. Devon Ave., Des Plaines, IL 60018
Telephone: (312) 827-7700



DRILLING

A Full Line with a Broad Spectrum of Capabilities



WILTON 20" VARIABLE SPEED

Wilton's 20" VSG gives you full power at low speeds to handle all your drilling needs.

Only this premier drill combines power and precision with a speed range of 50 - 1200 rpm with one **optional** motor. Driven by a full 1½ HP motor, the 20" VSG gives you capacities of 1⅜" diameter holes in cast iron, or 1⅛" in steel. 2HP motor is also available for larger holes.

More Power

The transmission of this machine combines variable speed pulleys for infinite speed changes with a steel pinion gear for full torque over the entire range of speeds. The standard 1725 rpm motor provides speeds of 80 - 1200 rpm, an **optional** 1140 rpm motor gives a lower range of 50 - 800 rpm. Large diameter pulleys give you non-slip power even under maximum load.

More Accuracy and Rigidity

The head of the 20" VSG is massively constructed to form a solid base for drilling. Exceptional support is also provided by a large 4½" column.

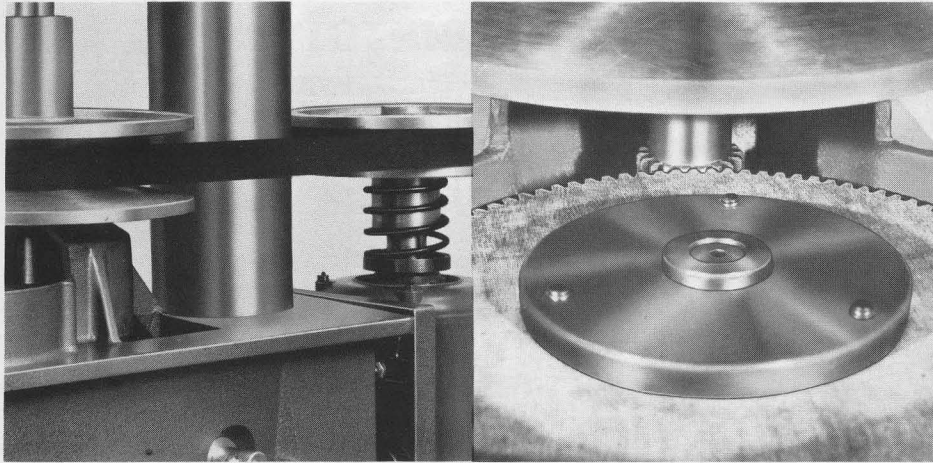
To minimize tool deflection, the spindle is fully enclosed in an oversized 3" quill. Heavy duty ball bearings and tapered roller bearings support the spindle for precise operation.

More Standard Features

The 20" VSG incorporates all the important operational features. A direct reading Manometer speed scale gives instant readings as the convenient handwheel changes speeds. The work table rotates 360° around the column and is T-Slotted for precision work. Table raiser is standard equipment. A positive locking precision depth stop ensures accuracy.

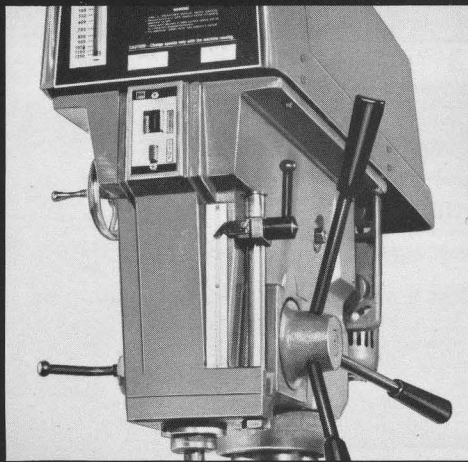
Model Shown
2015

GEAR DRILL PRESS

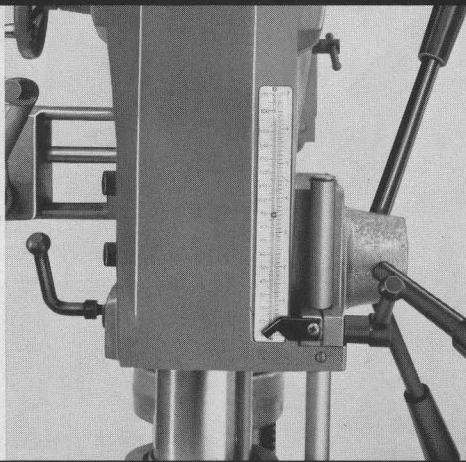


Belt and Gear Drive

**High Torque at
Low Speeds
— to 50 RPM —**



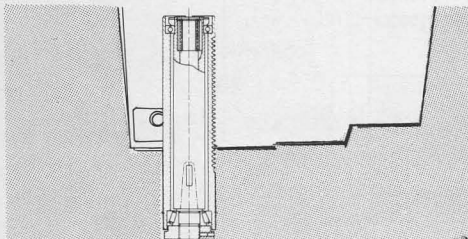
Massive Construction



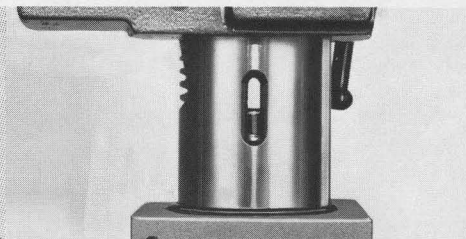
Precision Depth Stop



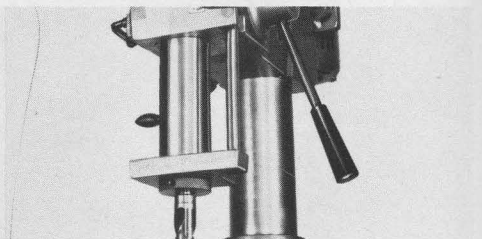
Direct Read Scale



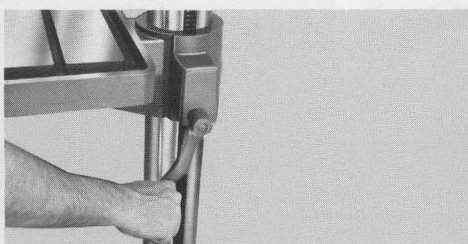
Fully Enclosed Spindle



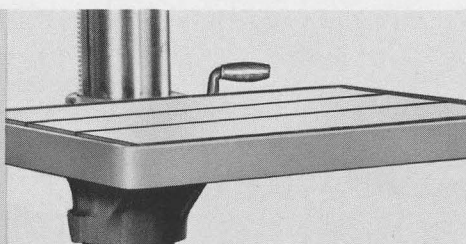
3" Diameter Quill



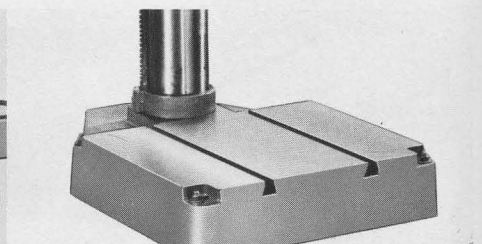
Full 7" Stroke



Smooth Operating Table Raiser



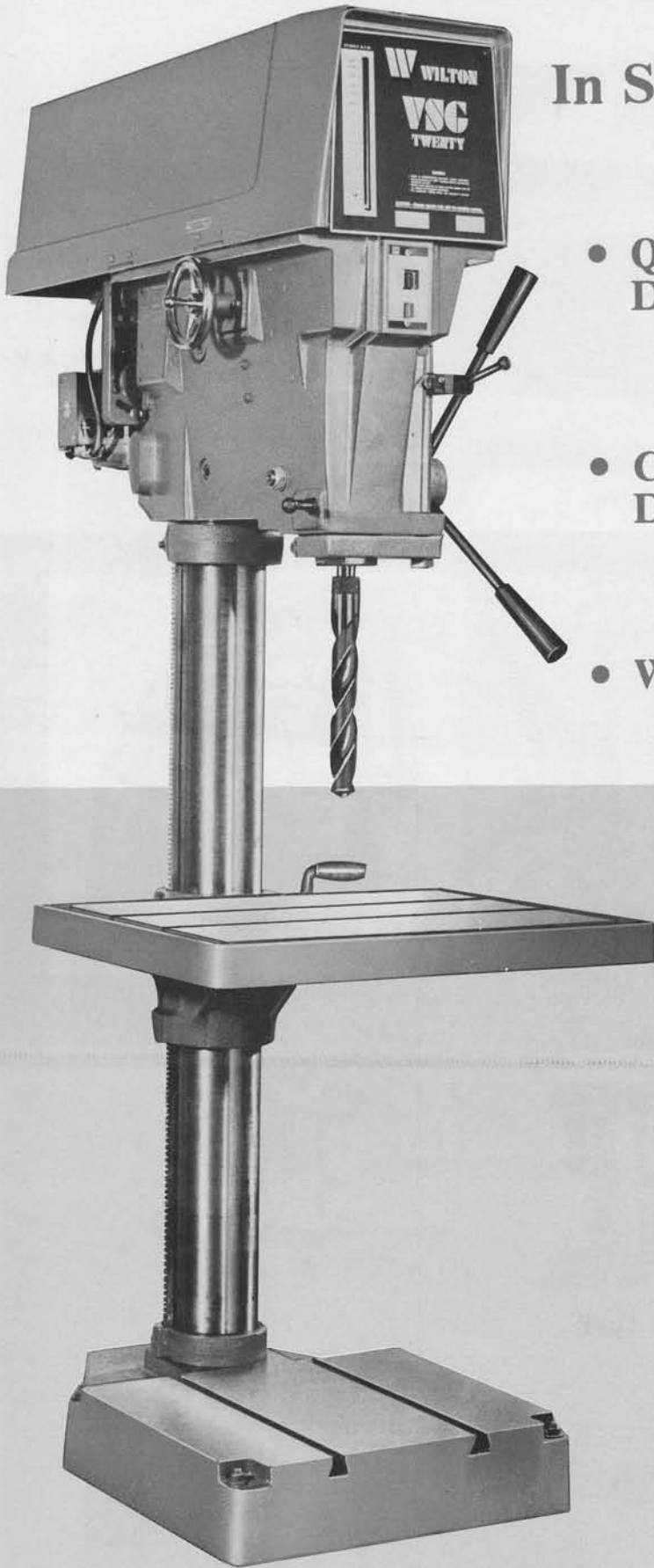
T-Slotted Production Table



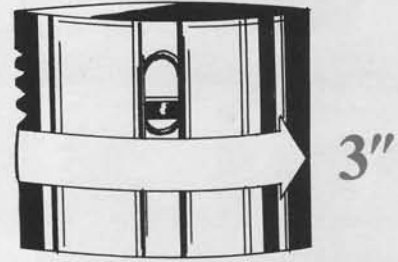
**4 1/2" Diameter Column
T-Slotted Base**

Feature for Feature, Wilton's

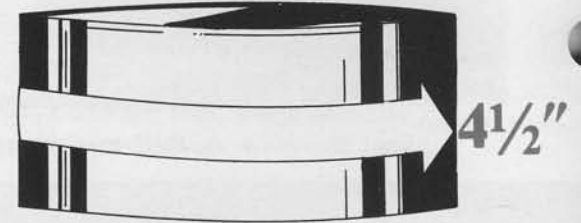
In Strength . . .



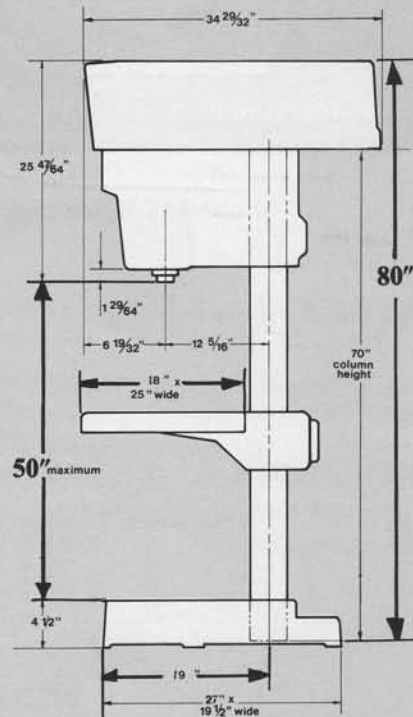
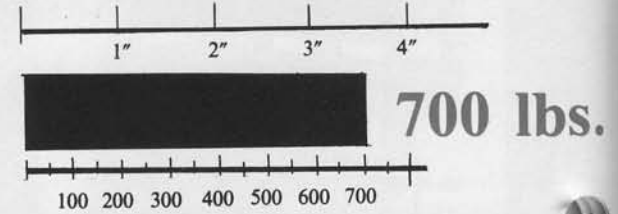
- Quill Diameter



- Column Diameter



- Weight



20" VSG Leads its Field

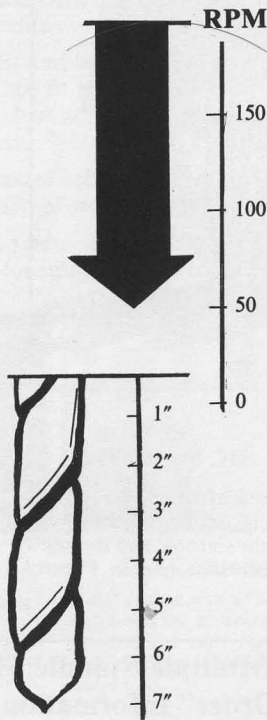
and In Performance.

- **Lowest Speeds Available**

for large holes
in hard material
from
50-1200 RPM

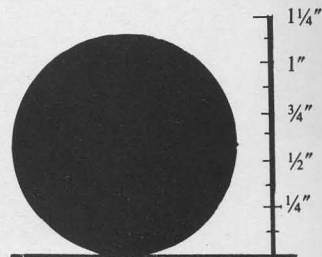
- **Full Stroke**

7"

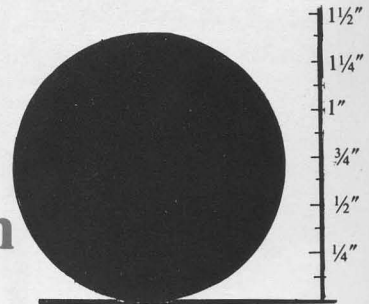


- **Drilling Capacity**

1 1/8"
Steel



1 3/8"
Cast Iron



ORDERING INFORMATION

Catalog Number	DC Number	Description
Motorized Units, Hand Feed		
2015	30200	20" VSG floor model, production table, 1 1/2 HP, 1 phase, 230 volt motor and push button switch. 698 lbs.
2025	30250	Same as 2015 except with 3 phase motor. 690 lbs.
Motorized Units, Mechanical Feed		
2035	30300	20" VSG floor model, with power feed, production table, 1 1/2 HP, 1 phase, 230 volt motor and push button switch. 740 lbs.
2040	30350	Same as 2035 except with 3 phase motor.
2045	30375	Same as 2035 except with 2 HP, 3 phase motor.

**1140 RPM motor available at extra cost

To motorize additional options, select basic machine from page 10 and add desired motor and switch.

SPECIFICATIONS

Drills to Center:	20"
Capacity, handfeed:	Cast Iron—1 3/8" Steel—1 1/8"
Capacity, power feed (1 1/2 hp)	Cast Iron—1" Steel—3/4"
Capacity, power feed (2 hp)	Cast Iron—1 3/8" Steel—1 1/4"
Spindle Nose:	No. 3 Morse Taper
Spindle Travel:	7"
Spindle Speeds:	80 to 1200 RPM **53 - 795 RPM with optional 1140 RPM motor
Quill Diameter:	3"
Column Diameter:	4 1/2"
Table Working Surface:	18" x 25"
Table Slots:	1/2" for T-Bolts—2 T-slots
Table Travel:	30" with Head Raiser 41" without Head Raiser
Base Working Surface:	16" x 19"
Base Slots:	1/2" for T-Bolts—2 Slots
Spindle to Base Maximum:	50"
Head Travel with Head Raiser:	11"
Overall Dimensions	
Width:	24"
Depth:	36"
Height:	80"
Bench Model with Head Raiser:	
Column Height:	42"
Head Travel:	21 1/2"
Base Working Surface:	16" x 19"
Base Slots:	1/2" for T-Bolts—2 Slots

See page 24-26 for Multiple Spindle Models and ordering information.

20" VSG Accessories



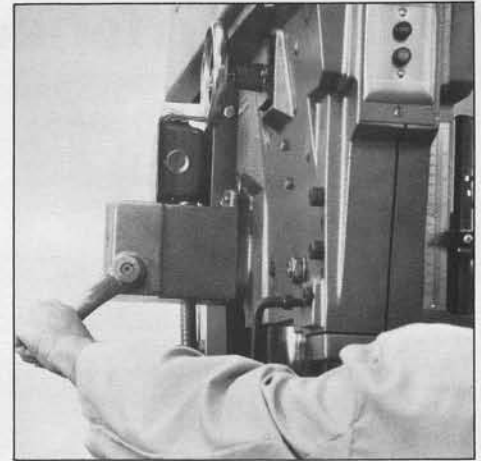
Mechanical Feed -
Catalog No. 504725 DC No. 38191

Provides four rates of speed, .003, .006, .009, .012 inches per revolution. Feed rate can be changed with the positive position shifter while running. Feed is easily engaged and dwells at bottom of hole for accuracy. Factory installed only. 40 lbs.



Air Feed
Catalog No. 504649 DC No. 38195

Electrically operated, the air feed unit is equipped with solenoid and latching circuit. A touch on the control lever energizes the solenoid and the unit's pinion gear which advances the spindle. Factory installed only. 25 lbs.



Easily Accessible Head Raiser -
Catalog No. 502860 DC No. 31710

For convenience, the head raiser gives the operator effortless control of the head in changing set-ups. Factory installed only. 25 lbs.

See pages 24-26 for Multiple Spindle Models
and "How to Order" Information

ORDERING INFORMATION

20"VSG Standard Machines-Non-Motorized

Select motor and switch below for factory assembly.

Catalog Number	DC Number	Description
2010	30175	Floor model with Production Table 660 lbs.
2012	30177	Floor model with Mechanical Feed, 700 lbs.
2020	30225	Floor model includes standard table with milling table 510456 and adapter 750 lbs.
2030	30275	Bench model, 350 lbs.

Other Accessories

Catalog Number	DC Number	Description
502383	35532	Arbor #3 to No. 3 M.T. Use with Chuck No. 502660. 1 lb.
502660	35561	Jacob's Chuck, 3/16"-3/4" capacity, socket back less arbor. 5 lbs.
510446	34943	3/8" End Mill Holder with No. 3 M.T., 2 lbs.
510447	34944	1/2" End Mill Holder with No. 3 M.T., 2 lbs.

20" VSG Motor and Switch Combinations

Motor				Switch	Catalog Number	DC Number	Ship. Wt., Lbs.
Phase	H.P.	Voltage	RPM				
3	1 1/2	220	1725	Push button switch	550251	31164	45
3	1 1/2	220	1725	24 volt push button station, magnetic starter	550252	31165	45
3	1 1/2	440	1725	24 volt push button station, magnetic starter	550253	31166	45
1	1 1/2	230	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550255	31168	72
3	1 1/2	220	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550256	31169	72
3	1 1/2	440	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550257	31170	72
3	2	220	1725	Push button switch	550259	31172	45
3	2	440	1725	24 volt push button station, magnetic starter	550260	31173	45
3	2	220	1725	24 volt push button station, magnetic starter	550261	31174	45
3	2	220	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550262	31175	72
3	2	440	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550263	31176	72
1	1 1/2	230	1140	Push button switch	550265	31178	45
3	1 1/2	230	1140	Push button switch	550266	31179	45

High Performance 20" Variable Speed Geared Drill

with Special Head, Heavier Column for precision drilling, boring, and milling

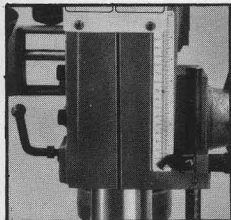
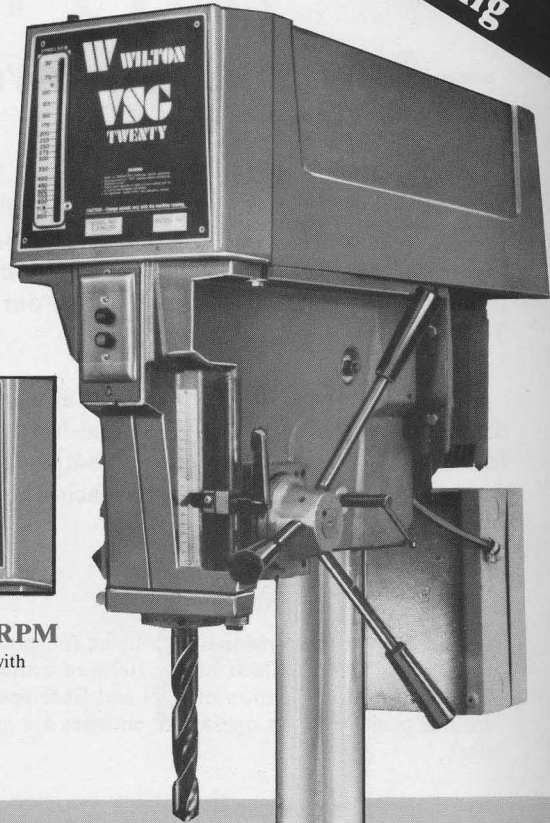
Extra Rigid For Drilling/Milling

Wilton's regular 20" Variable Speed Geared Drill has been modified to meet special precision and column deflection requirements.

In this model, the head bore has been split and retained by three pulling and two pushing bolts which provide closer tolerance fit between the hardened chrome quill and the head bearing surface. Extremely close adjustment is possible. The result is total indicated runout at 4" of .001" or less.

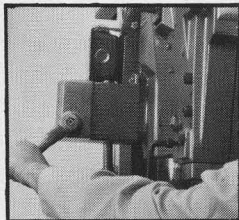
Column is 4½" with ⅝" wall which minimizes column deflection (at 1500 pounds tool thrust, hole is straight within .0005" per inch of stroke).

The Drill's standard motor provides for spindle speeds from 50 to 800 RPM, and combination belt and gear drive provide for full torque at tool. Table and head raiser standard.



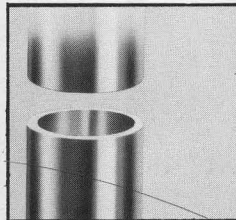
Split Head

Provides close tolerance fit between quill and head bore for exceptional accuracy.



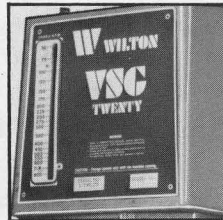
Heavy Duty Head and Table Raisers

Positioned for accessibility, the head and table raisers give the operator smooth, precise control.



4½" Column

A 4½" column with ⅝" thick wall forms the backbone of the drill and adds rigidity that minimizes deflection under load.



Speeds to 50 RPM

Low speed range with maximum torque

ORDERING INFORMATION

Catalog Number	DC Number	Description
2001	30166	20" VSG Floor Model, production table, 2-HP high performance motor 220/440 volt, 3 phase, 24V at push button switch, 898 lbs.

SPECIFICATIONS

Drills to Center:	20"
Capacity, handfeed:	Cast Iron — 1⅜" Steel — 1⅛"
Capacity, power feed (2 hp):	Cast Iron — 1⅜" Steel — 1¼"
Spindle Nose:	No. 3 Morse Taper
Spindle Travel:	7"
Spindle Speeds:	50-800 RPM with 2 hp, 1140 RPM motor
Quill Diameter:	3"
Column Diameter:	4½"
Table Working Surface:	18" x 25"
Table Slots:	½" for T-Bolts — 2 T-Slots
Table Travel:	30" with Head Raiser 41" without head raiser
Base Working Surface:	16" x 19"
Base Slots:	½" for T-Bolts — 2 Slots
Spindle to Base Maximum:	50"
Head Travel with Head Raiser:	11"
Overall Dimensions	
Width:	24"
Depth:	36"
Height:	80"

Standard Features

- Spindle runout .001 or less
- Powerful 2 HP motor
- Split Head
- 4½" Column
- Heavy Duty Head and Table Raisers
- Hardened chrome quill

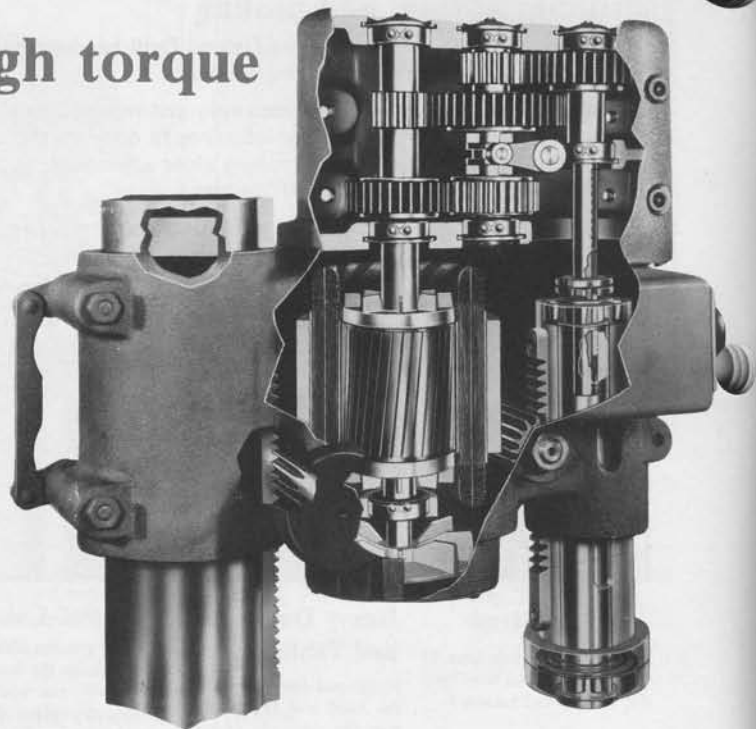


WILTON/STRANDS GEARED HEAD DRILL PRESSES

— low speed power and high torque

Wilton Corporation in conjunction with Strands of Sweden offers you a line of the highest quality drilling equipment available. Some drill head components are manufactured in Sweden, with all other components made, final-assembled and tested by Wilton in our Winchester, Tennessee plant.

Built to give you low speed power and high torque, they drill up to 1 7/8" holes in cast iron and have the operational features to stand up to production output. Ideal for chamfering, reaming, drilling, spot facing and counterboring.



All Gear Drive

The all gear drive transmission delivers full power at any speed driving tools at nearly 100% of available horsepower. Combination of steel and fiber gears ensures positive, quiet operation, clutches are ground steel.

Enclosed Spindle



With the oversized spindle and tool socket within the quill, the machine provides accurate operation, minimal deflection. Adjustable bearings provide support at all drilling depths.

Power Feed



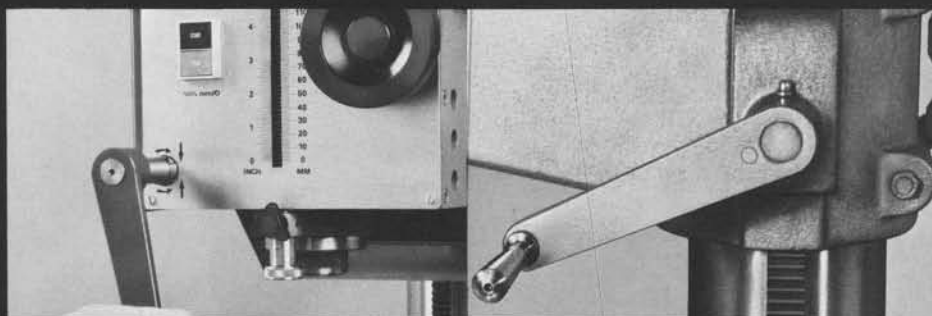
For production speed and accuracy pushbutton power feed is available on Geared Head machines. All controls are up-front for ease of operation.

Wide Range of Speeds



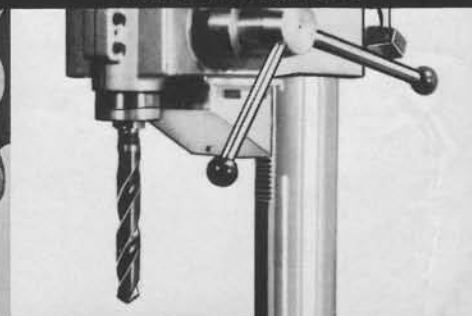
Two speed motors give you a wide range of operating speeds. For operator ease, a simple lever selector changes speeds for a new set-up.

Easily Accessible Head and Table Raiser



Raisers are standard equipment, operate on a durable rack and steel pinion. Head additionally features a safety lock for extra rigidity and alignment. Front head raiser available on some models for maximum convenience.

Massive Column



The large columns minimize deflection even at maximum hole sizes. Columns range from 3-15/16" to 5".

MANUAL FEED

20" Geared Head Drill Press

High Torque with Low Speed for large hole drilling up to 1 3/8"

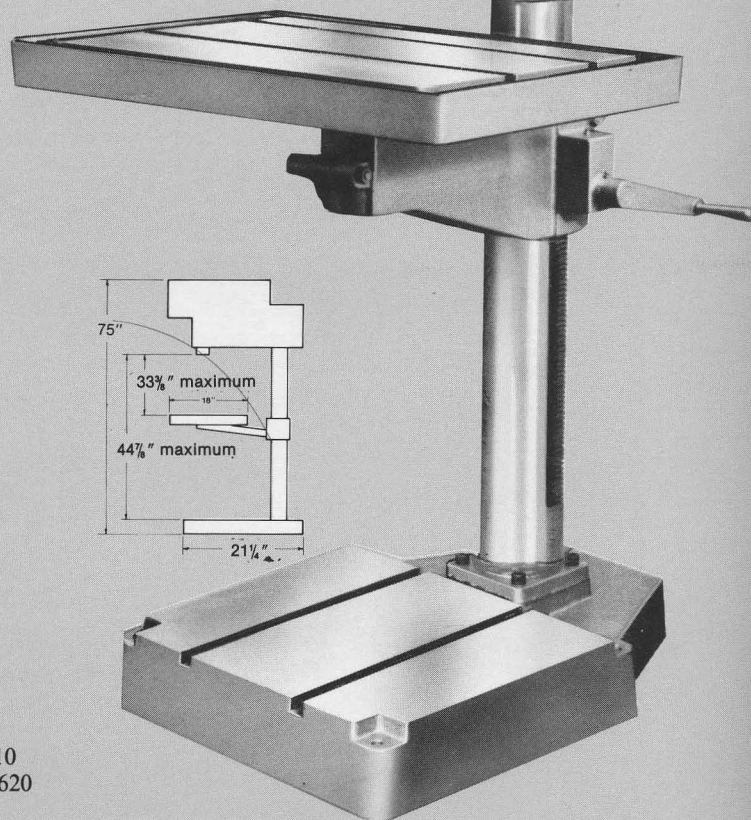
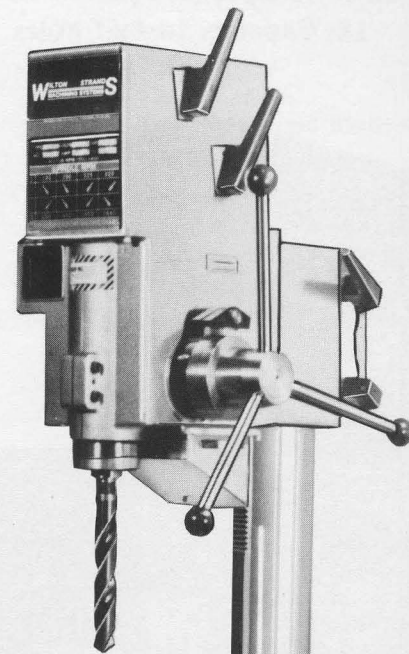
Standard Features

- Eight Drilling Speeds
- 2-speed integral fan-cooled motor
- No. 3 Morse Taper
- Head and Table Risers
- 18" x 25" T-slotted work table

With all the heavy duty features of the Geared Head line, the 20606 is a workhorse for accurate production drilling and may be used singly or as part of a multiple spindle system to even further increase productivity.

See pages 24-26 for Multiple Spindle Models and "How to Order" Information

Model Shown
20606



ORDERING INFORMATION

Catalog Number	DC Number	Description
20606	33058	20" Geared Head Drill, hand feed with production table. 2-speed 208/230V 60 cycle motor. 550 lbs.
20612	33071	Same as 20606 except 440/460V

Modified J.I.C. available on request

SPECIFICATIONS

Capacity, cast iron	1 3/8"
Drills to center:	20"
Motor hp: (2 speed)	1.5Hi 1.1 Lo
Morse taper:	No. 3
Quill diameter:	2 7/16"
Spindle travel:	5 1/4"
Spindle to table: (floor)	33 3/8" maximum
Spindle to base: (floor)	44 7/8" maximum
Column diameter:	3 15/16"
Column wall:	3/8"
Table, rect., T-slots:	18" x 25"
Base, overall:	14 3/4" x 21 1/4"
Spindle speeds:	@ 1.1 HP (L) 120, 460, 530, 1810 @ 1.5 HP (H) 240, 920, 1060, 3620
Overall size:	W19 1/4" x D23 1/2" H75"

NEW!

NEW PRODUCTION

MANUAL FEED

25" Geared Head

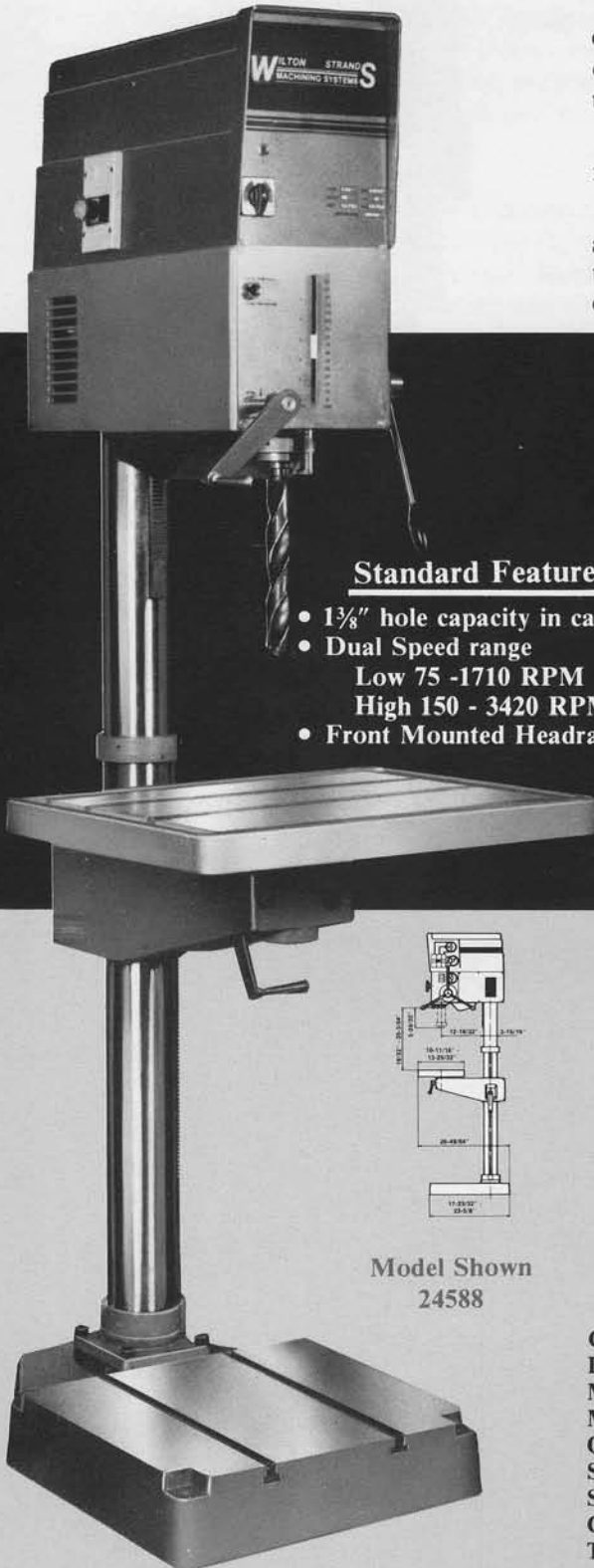
- 12 Speeds
- Capacity to 1 3/8" holes

These high quality drills give you the power of all gear drive over a range of twelve speeds from 75 to 3420 rpm. And the all gear transmission assures full power over all speeds for large hole drilling.

This model features a heavy 4-5/16" column for solid drilling support. The drilling head may be rotated 360° around the column for a variety of operations. Raising the head is simple and convenient for the operator with the front-mounted hand crank.

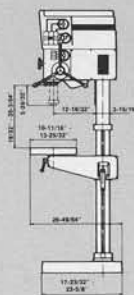
For rigidity and accuracy, the spindle is supported by ball and tapered roller bearings. A built-in tool ejector makes re-tooling fast.

The large production worktable, T-slotted with coolant channel rotates and has a side-mounted hand crank for elevation. A clamp at the front of the table provides extra security. Provided with milling spindle and locking collar.



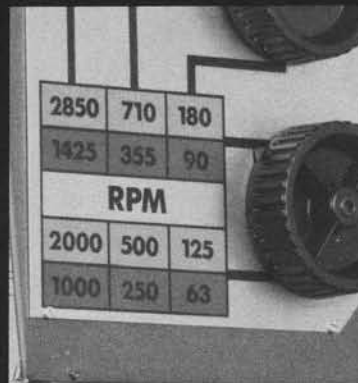
Standard Features

- 1 3/8" hole capacity in cast iron
- Dual Speed range
Low 75 -1710 RPM
High 150 - 3420 RPM
- Front Mounted Headraiser

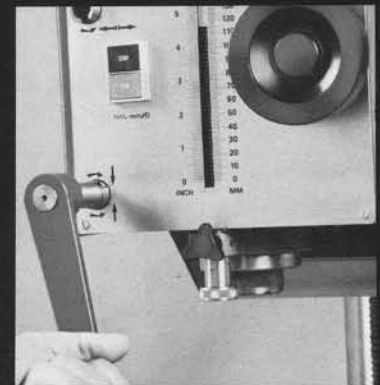


Model Shown
24588

**Twelve Speeds
Speeds from 75-3420 RPM**



**Up Front
Head-Raiser**



ORDERING INFORMATION

Catalog Number	DC Number	Description
24588	33868	25" Geared Head Drill Press, hand-feed 220V. with push-button switch, 3 phase, 2 speed motor. 525 lbs.
24589	33869	Same as 24588 except 440V.

Modified J.I.C. available on request

SPECIFICATIONS

Capacity, cast iron, handfeed:	1 3/8"	Base overall:	14 3/4" x 21 1/4"
Drills to center:	25"	Spindle Speeds:	@ 1.0 (L) 75, 108, 300, 426, 1200, 1710 RPM
Motor hp (2 speed):	1.5 Hi, 1.0 Low		@ 1.5 (H) 150, 216, 600, 852, 2400, 3420 RPM
Morse Taper:	No. 3	Overall Size:	78 H x 17 3/4 W x 26 3/4 D
Quill Diameter:	2-7/16"		
Spindle Travel:	5 7/8"		
Spindle to Table:	35"		
Column Diameter:	4-5/16"		
Table size, T-slots:	18" x 25"		

Drill Presses

POWER FEED

With all the same features of the manual feed model, the power feed model is equipped with a heavy duty transmission for mechanical feeding. Providing four feed rates, the gear box is equipped with a slip clutch for overloads. The feed is activated by setting a switch on the drill head, and deactivated manually or when the set depth is reached. The spindle automatically returns to starting position.

For milling applications, a handwheel on the front of the machine provides precision feed. Provided with milling spindle and locking collar.

- Capacity to 1½" holes
- Three types of Feed
 - Power Feed
 - Hand Feed
 - Precision Hand Feed

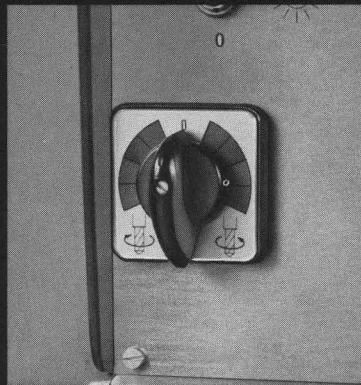
See pages 24-26 for Multiple Spindle Models and "How to Order" Models

Emergency Stop

— low voltage and motor protection

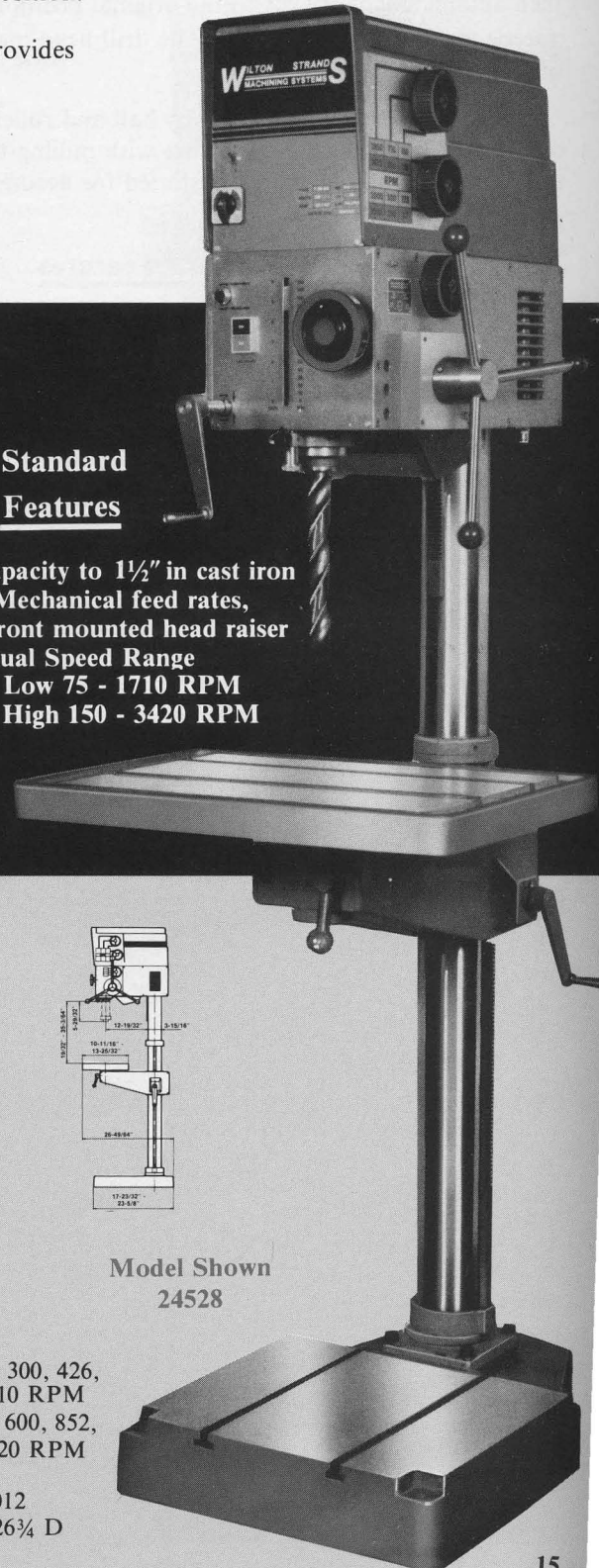


Spindle Reversing



Standard Features

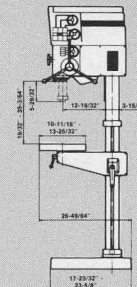
- Capacity to 1½" in cast iron
- 4 Mechanical feed rates,
- Front mounted head raiser
- Dual Speed Range
 - Low 75 - 1710 RPM
 - High 150 - 3420 RPM



ORDERING INFORMATION

Catalog Number	DC Number	Description
24528	33808	25" Geared Head Drill Press, power-feed, 220V. with 24V. push-button switch, 3 phase, 2 speed motor. 517 lbs.
24529	33809	Same as 24528 except 440V.

Modified J.I.C. available on request



SPECIFICATIONS

Capacity, cast iron, handfeed: 1½"
 Capacity, power feed: .003-1¼"
 .005-1¼"
 .007-1½"
 .011-1½"
 Drills to center: 25"
 Motor hp (2 speed): 2.0 Hi, 1.5 Low
 Morse Taper: No. 3
 Quill Diameter: 2-7/16"
 Spindle Travel: 5⅞"
 Spindle to Table: 35"

Column Diameter: 3-5/16"
 Table size, T-slots: 18" x 25"
 Base overall: 14¾" x 21¼"
 Spindle Speeds: @ 1.5 (L) 75, 108, 300, 426, 1200, 1710 RPM
 @ 2 (H) 150, 216, 600, 852, 2400, 3420 RPM
 Power Feed Rate, per RPM: .003, .006, .008, .012
 Overall Size: 78 H x 17¾ W x 26¾ D

Model Shown
24528

NEW!

POWER FEED

20" Geared Head Drill Press

For production drilling operations, this model is provided with power feed. The feed is engaged by turning the handwheel and disengages automatically when the pre-set drilling depth has been reached. The spindle then automatically returns to the original position. It offers eight spindle speeds via a two-speed motor. The drill head may be raised or lowered on the column.

The spindle is fully supported by ball and roller bearings for rigidity and the spindle nose is threaded for use with milling tools, etc. The production table is precision ground and T-slotted for accurate work holding. It can also be rotated around the column.

Standard Features

- Capacity to 1 1/4" in cast iron
- Power Feed, .003, .006, .008, .012 per revolution
- Dual Speed Range
Low 85 - 1620 RPM
High 170 - 3420 RPM
- Extra-Find Hand Feed

See page 24-26 for Multiple Spindle Models and ordering information.

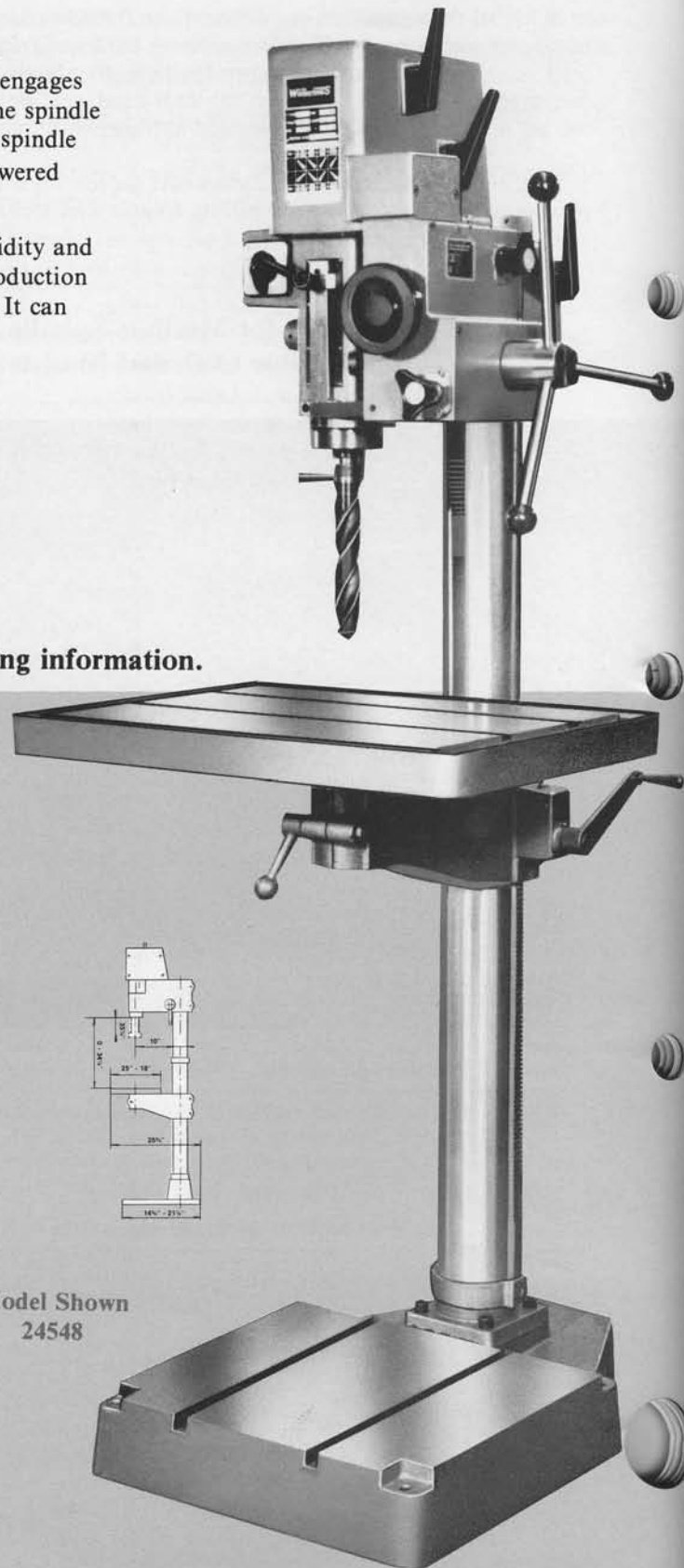
ORDERING INFORMATION

Catalog Number	DC Number	Description
24548	33828	20" Geared Head Drill Press, power-feed 220V. with push-button switch, 3 phase, 2 speed motor. 396 lbs.
24549	33829	Same as 24548 except 440V.

Modified J.I.C. available on request

SPECIFICATIONS

Capacity, cast iron, handfeed: 1 1/4"
 Capacity, Power Feed: .003-1"
 .005-1"
 .007-7/8"
 .011-7/8"
 Drills to center: 20"
 Motor hp (2 speed): 2 Hi, 1.5 Low
 Morse Taper: No. 3
 Quill Diameter: 2-7/16"
 Spindle Travel: 5 3/8"
 Spindle to Table: 34 1/4"
 Column Diameter: 3-5/16"
 Table size, T-slots: 18" x 25"
 Base overall: 14 3/4" x 21 1/4"
 Spindle Speeds: @ 1.5 (L) 85, 335, 410, 1620 RPM
 @ 2 (H) 170, 670, 820, 3420 RPM
 Power Feed Rate, per RPM: .003, .006, .008, .012
 Overall Size: 75 H x 19 1/2 W x 25 D



Model Shown
24548

POWER FEED

Extra Heavy Duty

25" Geared Head Drill Press

A two-speed motor combines with four lever positions to give you eight spindle speeds. Drill capacity up to 1½" in cast iron with hand feed, 1¼" using power feed. The motor delivers a full 3 horsepower in the high speed range, 2.5 horsepower in the lower speed range.

Dial the feed rate desired and engage the power feed with the push of a button. The electromagnetic clutch allows maximum power application with overload protection. Feed rates: .004", .007", .010", .015".

- 3 HP Motor
- Capacity to 1½" holes
- 5" Column

Standard Features

- Capacity to 1½" holes
- Head and Table Raisers
- T-slotted machine base
- T-slotted production table 18" x 25"
- Extra-fine hand feed
- Reversing Switch
- No. 3 Morse taper

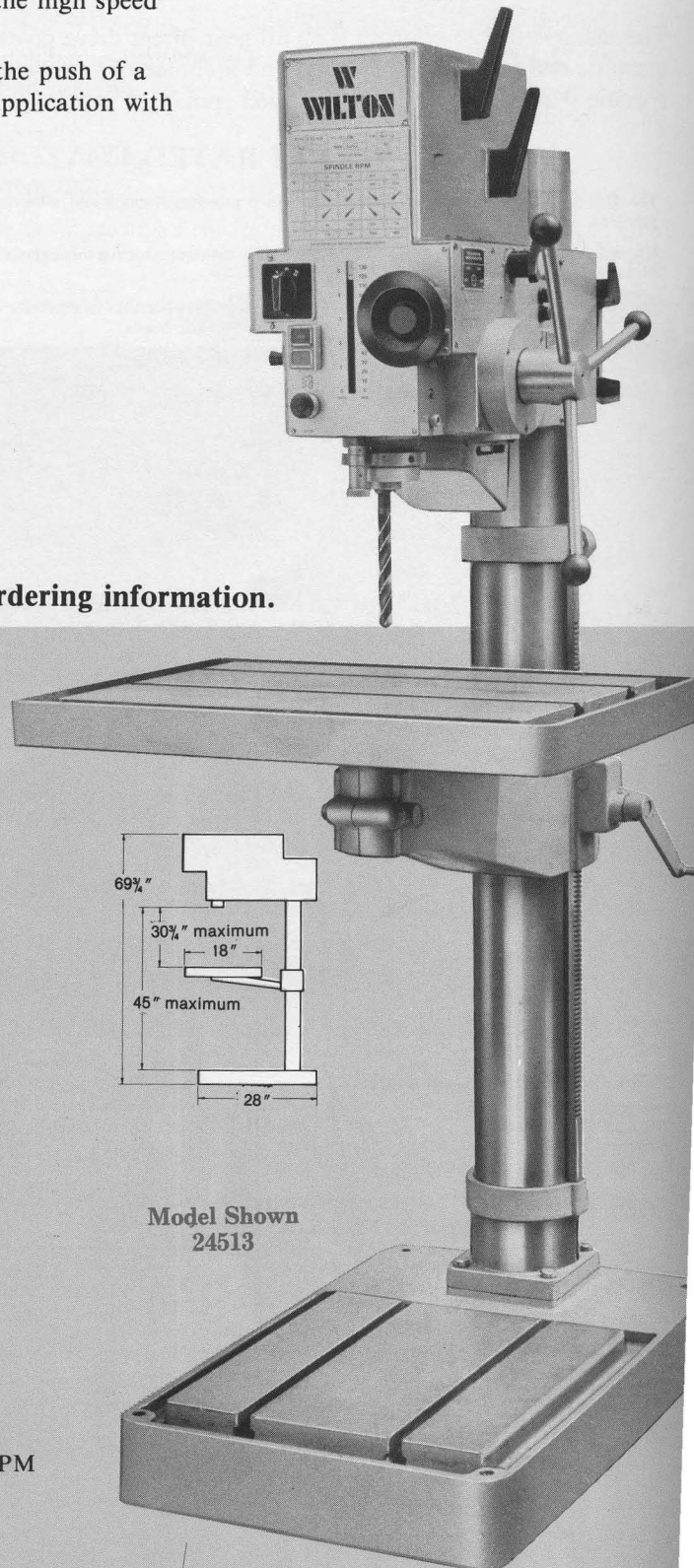
See page 24-26 for Multiple Spindle Models and ordering information.

ORDERING INFORMATION

Catalog Number	DC Number	Description
24513	33703	25" Geared Head Drill, power feed with production table. 2-speed 208/230V, 3 phase, 60 cycle, modified JIC controls 24V at push button. 800 lbs.
24514	33705	Same as 24513 except 440/460V.

SPECIFICATIONS

Capacity, cast iron; powerfeed: 1¼" at .007" feed, 1" at .010" feed, ¾" at .015"
Capacity, cast iron; hand feed: 1½"
Drills to center: 25"
Motor hp: (2 Speed) 3.0 HI, 2.5 LO
Morse taper: No. 3
Diameter of quill: 2⅞"
Spindle of travel: 5⅞"
Spindle to table: (floor) 30¾" maximum
Spindle to base: (floor) 45" maximum
Column diameter: 5"
Column wall: ⅝"
Table, rect., T-slots: 18" x 25"
Base, machined overall: 28" x 18½"
Base, machined, ground area: 16½" x 15½"
Spindle speeds: @ 2.5 (L) 85, 120, 500, 730 RPM
@ 3.0 (H) 170, 240, 1000, 1460 RPM
Power feed, per rpm: .004", .007", .010", .015"
Overall size: W19¼" x D28" x H69¼"



Model Shown
24513

26" Direct Drive Gear Drill Press — for heavy production applications

Here's a hard working drill that offers up to 5.5 horsepower for large hole drilling and is built with the quality needed to last on the job and increase productivity.

- 5.5 HP Motor
- 8 Speeds
- Side Clamping Plate

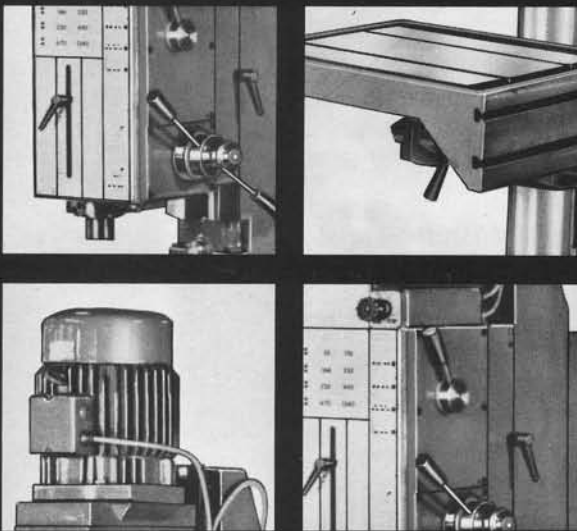
The massive design coupled with all gear direct drive gives you strength for accurate drilling up to 1 3/4" holes and a choice of spindle speeds for your specific requirements from 67 to 1663 rpm.

PRODUCTION RATED FEATURES

The drill head rides on a **broad, flat column** which provides strength and minimizes deflection for continuous precision.

Ground, hardened gears ensure positive operation and maximum torque throughout the range of speeds available. Moveable parts are lubricated by a built-in pump.

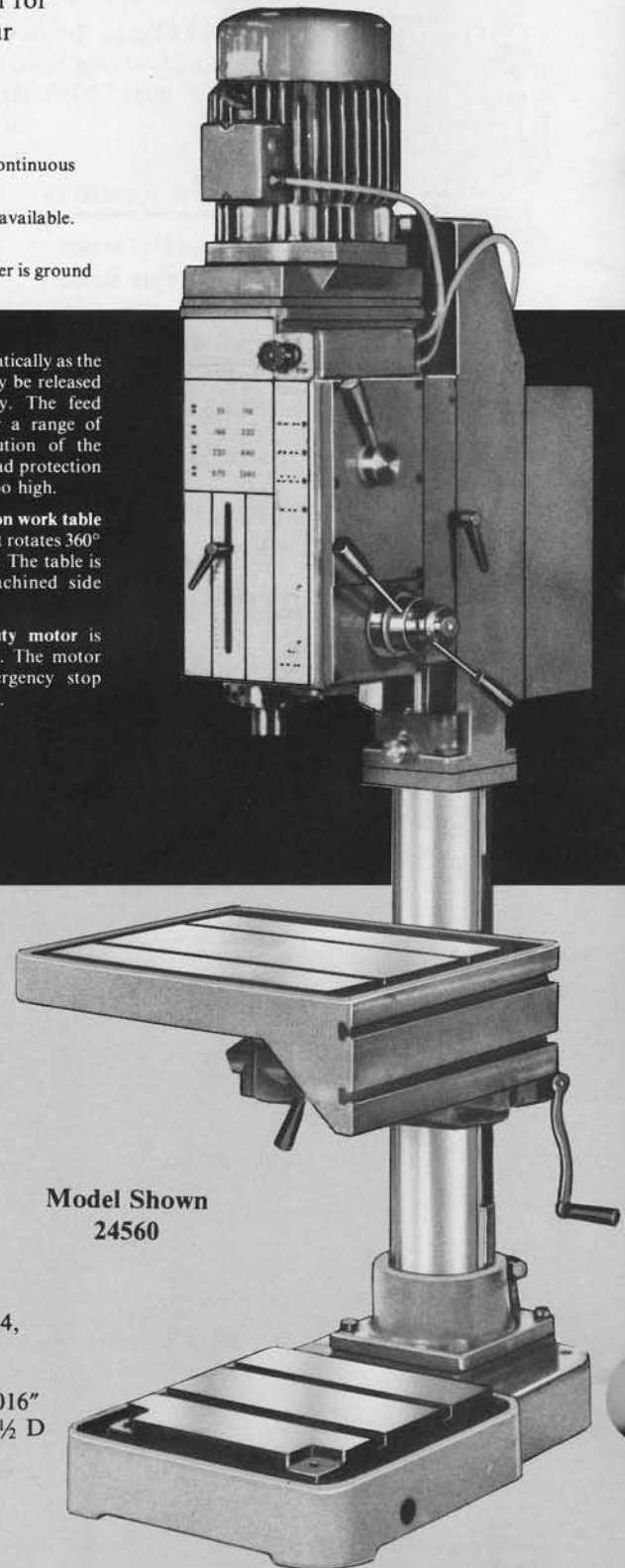
The **main spindle** is recessed and supported by ball and roller bearings to minimize deflection. The taper is ground and hardened and the spindle sleeve accepts multiple spindle heads.



Power feed engages automatically as the work cycle begins, and may be released manually or automatically. The feed provides four speeds over a range of .003" to .015" per revolution of the spindle, and acts as overload protection if drill pressure becomes too high.

A **large, 20" x 24" production work table** offers solid work support. It rotates 360° and pivots in its mounting. The table is T-slotted, and offers machined side clamping plate.

Two-speed continuous duty motor is smooth and quiet running. The motor controls provide an emergency stop button with no-volt release.



Model Shown
24560

ORDERING INFORMATION

Catalog Number	DC Number	Description
24560	33840	26" Direct Drive Drill Press, floor model, 440V. with 110V. at switch, 3 phase. 1300 lbs.
24561	33841	Same as 24560 except with 220V. with 110V at switch.

SPECIFICATIONS

Capacity, mild steel, handfeed:	1 3/4"	Base, overall:	20" x 31 1/4"
Capacity, cast iron, handfeed:	1 7/8"	Spindle Speeds:	67, 135, 205, 272, 414, 547, 825, 1663
Drills to center:	26"	Power Feed Rates:	per RPM: .004", .008", .012", .016"
Motor hp (2 speed):	5.5 Hi, 3.5 Low	Overall Size:	95 1/4" H x 24" W x 38 1/2" D
Morse Taper:	No. 4		
Quill Diameter:	3 1/8"		
Spindle Travel:	7 7/8"		
Spindle to Table:	32 3/4"		
Column Diameter:	6 1/8"		
Table size, T-slots:	20" x 24"		

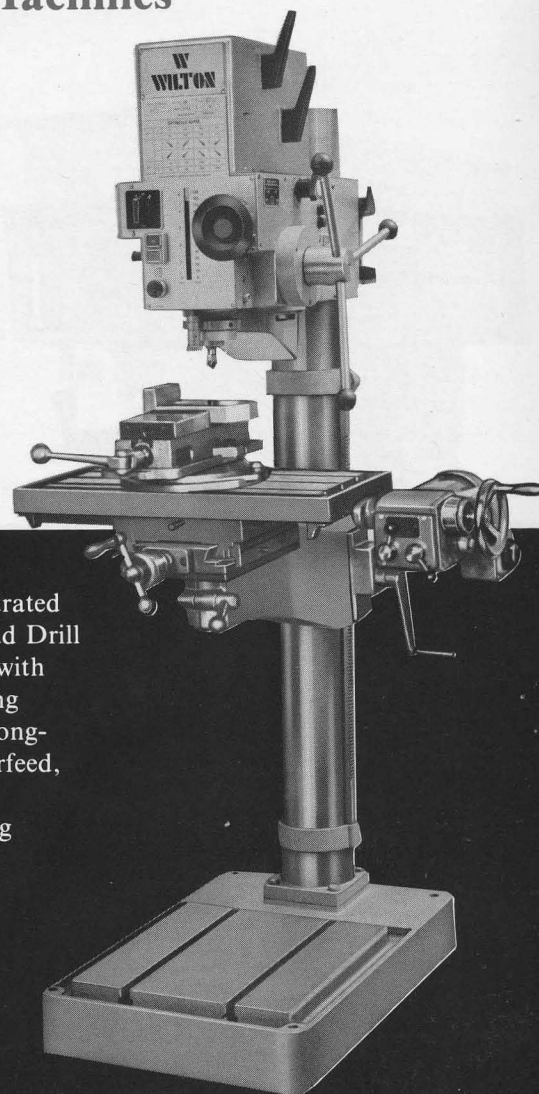
Geared Head Drill Press Accessories

Convert Geared Head Drills into Milling Machines

All Wilton Geared Head Drill Presses can be used to perform milling operations. Our new 25" Models 24588 and 24528 (see pages 14-15) are provided with milling spindle and locking collar as standard equipment. Our other geared head drills can be converted for milling by ordering the milling spindle shown below.

By adding a coordinate milling table, a variety of operations such as keyway milling and slotting are possible. With fully enclosed spindles and massive columns Wilton Geared Heads have the strength you need.

When ordering with a Geared Head Drill any one of our models of milling tables is automatically provided with an adaptor plate whose stem fits directly into the standard table knee.



Machine illustrated is Geared Head Drill Press #24513 with #510792 milling table having longitudinal powerfeed, performing a keyway milling operation.

See pages 30-31 for specifications on milling tables and additional ordering information.

Machine Vises available on pages 28-29.

ORDERING INFORMATION

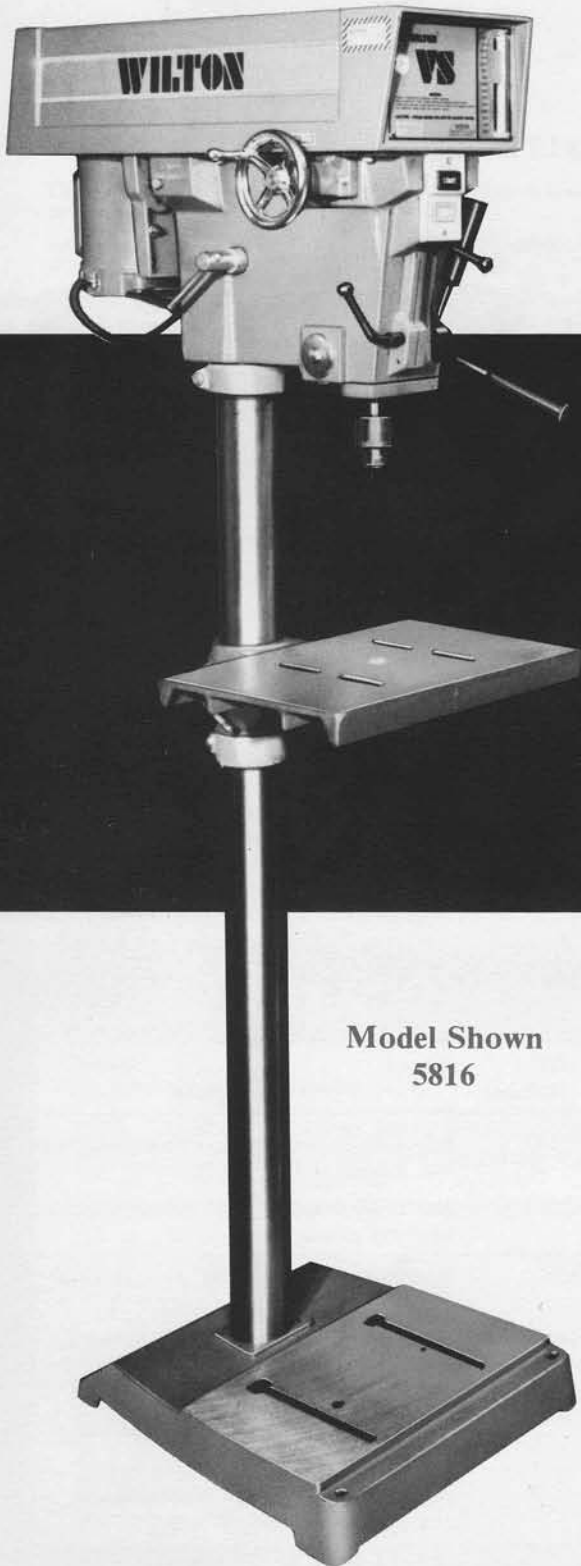
Catalog Number	DC Number	Description	Catalog Number	DC Number	Description
510433	34942	Special Milling Spindle Assembly with threaded collar for locking on the End Mill Holder without the use of a draw bar, thus locking the flange and End Mill Holder (510446 or 510447) within the No. 3 Morse Taper Socket. May be ordered in place of standard spindle at additional cost, factory installed only. Conventional drills may also be used in spindle. 5 lbs. Use for 20" Manual Feed Model 20606 and 25" Power Feed Model 24513	502383	35532	Arbor #3 to No. 3 M.T. Use with Chuck No. 502660. 1 lb.
			502660	35561	Jacobs Chuck, 3/16"-3/4" capacity, socket backless arbor. 5 lbs.
			510439	35624	Reversing Switch for 20" Geared Head Drill. Factory installed only. 1 lb.
			510446	34943	3/8" End Mill Holder with No. 3 M.T., 2 lbs.
			510447	34944	1/2" End Mill Holder with No. 3 M.T., 2 lbs. Arbor - #33 to 3 M.T. Use with Chuck No. 906260.
			513014	35505	Modified JIC controls with 110V at push-button station.



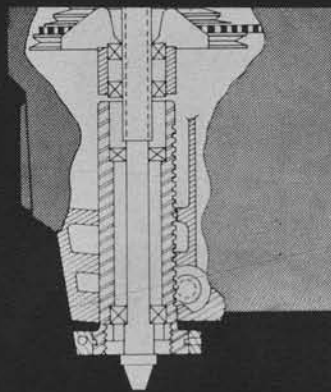
WILTON 15" VARI-SPEED

Both these 15" drills are heavy to provide a solid base for drilling, and offer greater range in spindle speed than any competition. Larger quills mean greater accuracy and the large production worktable gives the operator the room to work, and supports the job. The backbone of the system is a 3" column for head support, and the quill is supported to lessen deflection.

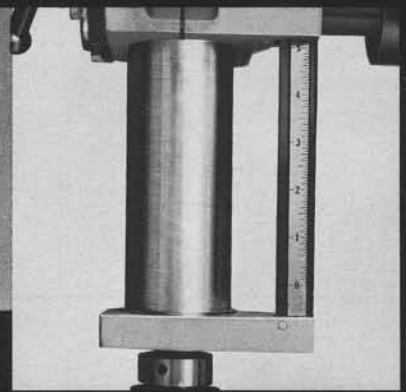
The Wilton Vari-Speed drill press provides power at speeds from 400 to 5,000 rpm. Optional 1140 rpm motor provides 266-2400 rpm speed range. Simple handwheel adjustment sets the speeds, and an immediate speed reading appears on the face plate scale.



Model Shown
5816



Full Bearing Support



6" Stroke

VARI-SPEED FEATURES



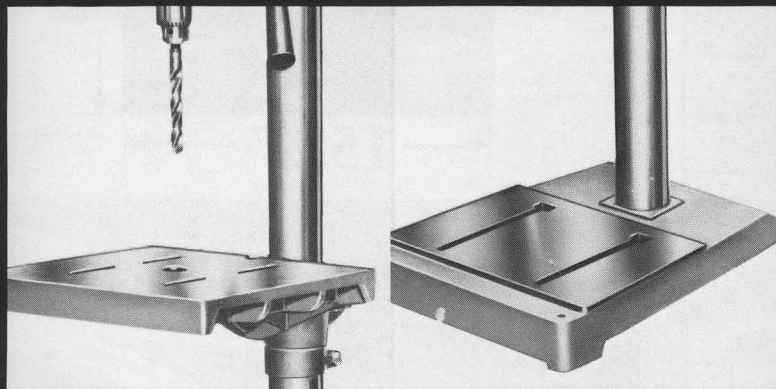
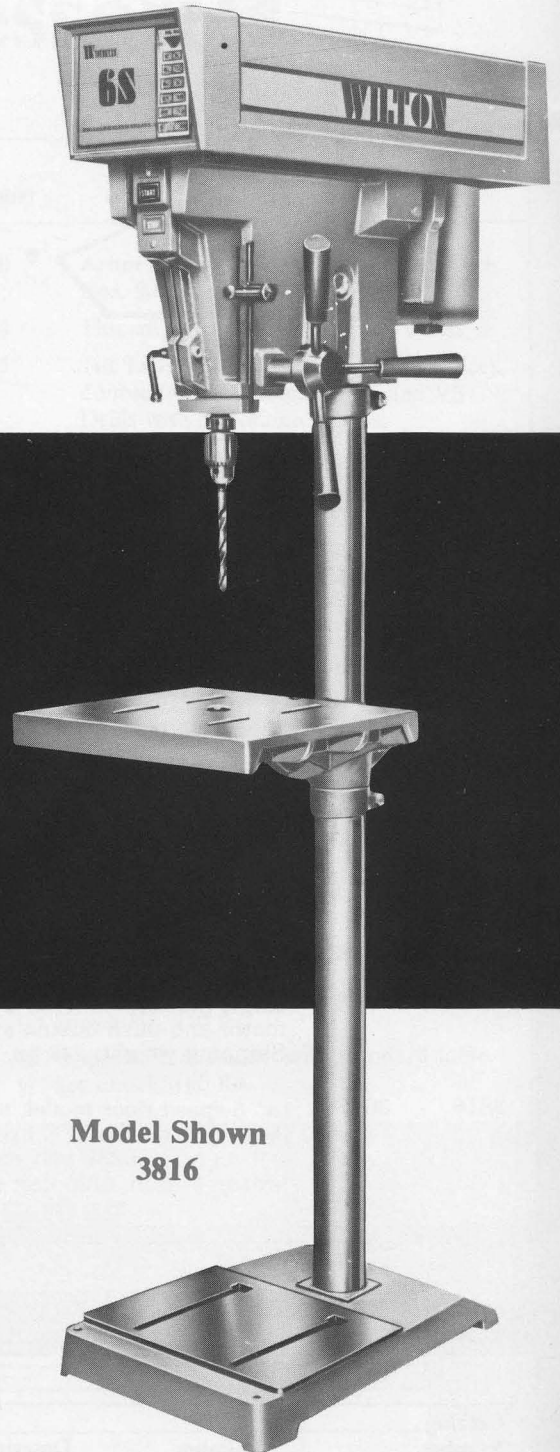
Variable Speed Drive

Instant Speed Selection

and 6-SPEED DRILL PRESSES

The Wilton 6-Speed Drill uses a 1725 rpm motor standard to provide speeds of 375, 625, 1125, 1950, 3400, and 5000 rpm. An optional 1140 rpm motor drops the speed range to 250 to 3300 rpm. Wilton's belt and pulley transmission system delivers maximum power and ensures safety during speed changes.

Combines Quality Features and Good All Around Drilling Performance.

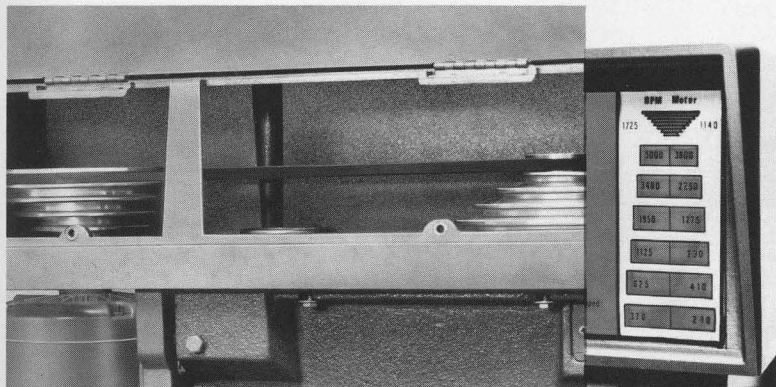


Strong 3" Diameter Column

Machined Base

**Model Shown
3816**

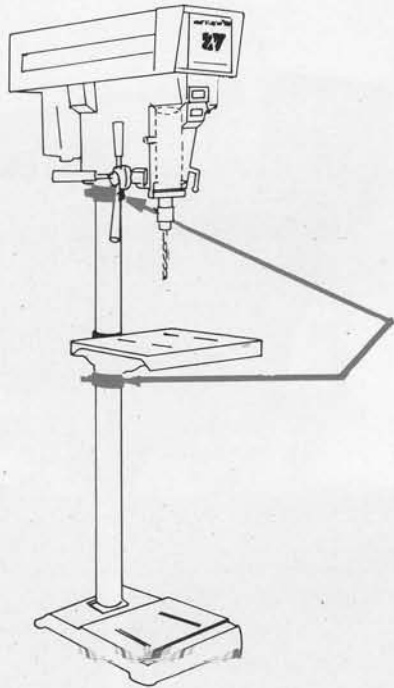
6-SPEED FEATURES



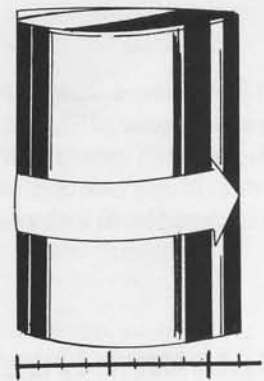
Positive Power Transmission

**Spindle Speeds
for all Jobs**

WILTON 15" Drills — Leaders

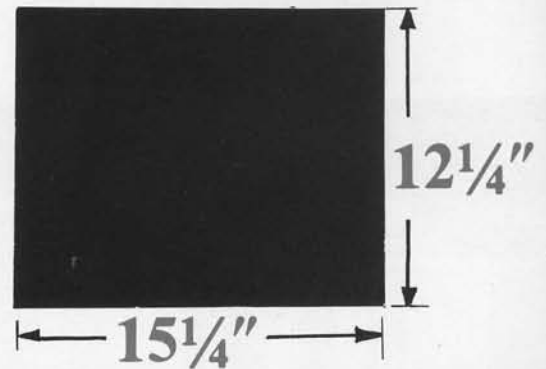


• Quill Diameter
2 1/4"



• 2 Safety Collars

• Table Size



ORDERING INFORMATION

Catalog Number	DC Number	Description
5816	30029	15" variable speed floor model, standard table; 1/2" key chuck; 3/4 hp, single phase, 1725 RPM 115/230 volt motor and push button switch. Shipping weight: 248 lbs.
3816	30479	15" 6-speed floor model, standard table, 1/2" key chuck; 3/4 hp, single phase, 1725 RPM 115/230 volt motor and push button switch. Shipping weight: 236 lbs.

* 1140 RPM motors available at extra cost

To convert standard model with key chuck to No. 2 Morse taper, order accessory below.

Accessories		
Catalog Number	DC Number	Description
502462	32704	No. 2 Morse Taper

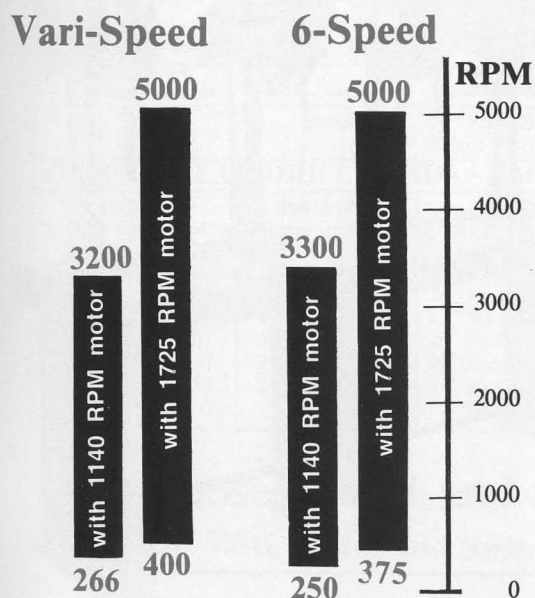
SPECIFICATIONS

Capacity, cast iron	5/8"
Capacity, steel	1/2"
Drills to center	15"
Quill diameter	2 1/4"
Spindle travel	6"
Spindle speeds, Vari-Speed	
with 1725 rpm motor	400 to 5000
* with 1140 rpm motor	266 to 3200
Spindle speeds, 6-Speed	
with 1725 rpm motor	375, 625, 1125, 1950, 3400, 5000
* with 1140 rpm motor	250, 410, 745, 1290, 2300, 3300
Single Spindle Floor Models:	
Base ground surface	10 1/4" x 15"
Spindle to table	41"
Spindle to base	47 1/2"
Height, overall	67 1/2"
Single Spindle Bench Models:	
Base working area	9" x 10"
Spindle to table	12 1/4"
Spindle to base	18"
Height, overall	38 1/2"

See pages 24-26 for Multiple Spindle Models and "How to Order" Information

in all Important Features

• Speed Range



Accessories

Catalog Number	DC Number	Description
501501	32640	Arbor #33 to No. 2 M.T. Use with Chuck Nos. 906263 and 906260. 1 lb.
502462	32704	Threaded No. 2 M.T. adapter. 2 lbs.
504175	31845	Tilt Table (14¼" x 11¼" ground surface) double slots. Optional on 6S and VS Drills with 3" column. 25 lbs.
504178	31700	Head and table raiser kit for 15"VS and 6S Head Multiple Spindle models with 3" diameter columns. Factory installed only. 25 lbs.
906260	37675	Jacob's Chuck 5/64"-½" capacity socket backless arbor. 4 lbs.
906263	37676	Chuck 0"-½" capacity. Rabbit #33 back. Standard on 6S and VS drills. 3 lbs.

15" VS & 6S Standard Machines—non-motorized

Select motor and switch for factory assembly

Catalog Number	DC Number	Description	Catalog Number	DC Number	Description
5810	30023	15" Variable Speed Floor Model with standard table ½" key chuck, 234 lbs.	3810	30473	15" 6-speed Floor Model with standard table, ½" key chuck, 210 lbs.
5830	30043	15" Variable Speed Bench model with standard table and ½" key chuck, 174 lbs.	3830	30493	15" 6-speed Floor Model with standard table, ½" key chuck, 160 lbs.

15" VS & 6S Motor and Switch Combinations

Motor				Switch	Catalog No.	DC Number	Shipping Wt. Lbs.
Phase	H.P.	Voltage	RPM				
1	3/4	115/230	1725	Push button switch	550103	31018	42
1	3/4	115/230	1725	24 volt push button station, magnetic starter	550242	31155	45
1	3/4	115/230	1140	Push button switch	550224	31139	40
1	3/4	115/230	1140	24 volt push button station, magnetic starter	550243	31156	45
1	3/4	115/230	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550236	31141	72
1	3/4	115/230	1140	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550244	31157	72
3	3/4	208/220/440	1725	Push button switch—for 220V only*	550107	31022	38
3	3/4	208/220/440	1725	24 volt push button station, magnetic starter	550245	31158	45
3	3/4	208/220/440	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550237	31143	72
3	3/4	208/220/440	1140	Push button switch—for 220V only*	550222	31137	38
3	3/4	208/220/440	1140	24 volt push button station, magnetic starter	550246	31159	45

MULTIPLE SPINDLE

Wilton has the production rated equipment and the application expertise to build an efficient system for virtually any multiple drilling need and with the range of drills we offer, you can be sure of getting the performance you want without buying more equipment than you need.

You Choose the Number and Type of Heads...

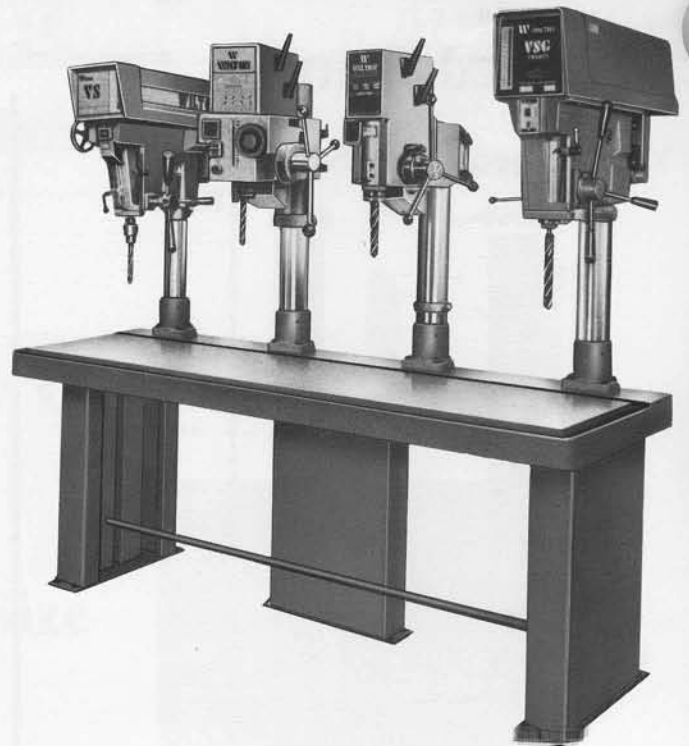
Wilton, with the broadest line of drill presses available, solves any problem you have. Any combination can be assembled into a versatile unit. Choose from our unique 20" VSG, 15" Vari-Speed, 6 Speed or any of our Geared Head Drill Presses.

The Electrics and Accessories...

20" VSG and 15" Drill heads are available non-motorized. This allows you to choose the specific electrics to meet your requirements. You can also customize your drilling system by selecting accessories like power downfeed, head raiser kits, milling tables, spindles, and other chucks.

And the Type of Table you need.

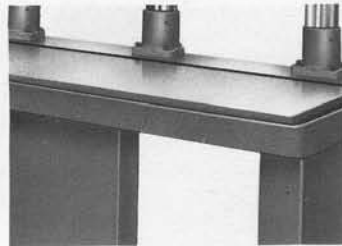
Our standard multiple spindle drill tables are catalogued in 2, 3, or 6 head combinations but we can customize larger units to fit the heads you choose to fit your needs.



Smooth Tables T-Slotted Tables

Smooth or T-Slotted Tables Available.

All multiple spindle combinations are shipped completely assembled and tables are drilled at the factory so that all spindles are centered to the T-slots.



Mix or Match to Build the System that's Right for You!

Below is an example of information needed to build the system above.

1 Specify which Drill Heads are desired

(shown are Geared Head Drill Models 20602, 24512
15" Vari Speed Model 5844 20" VSG Model 2050)

2 Specify the Electrical Options

These are shown on the following pages.
20" VSG and 15" Drill Heads are non-motorized and you must select a motor and switch combination. The Geared Head Drills are motorized as standard.

3 Specify Smooth or T-Slotted Table for the number of heads chosen.

(shown is Table Model 504959,
T-Slotted for 4 spindle mixed head system.)

The following chart shows the **MINIMUM CENTER TO CENTER DISTANCES** necessary when mixing heads on your multiple spindle system. Also, when mixing heads, you must use the larger tables shown on page 25. The tables shown on page 26 are used only for 15" drills.

		Right Hand Machine				
		15" 6S & VS	20" VSG Hand Feed	20" VSG Power Feed	Gear Head Hand Feed	Gear Head Power Feed
Left Hand Machine	15" 6S & VS	19	21½	21½	20	20
	20" VSG Hand Feed	19½	22	22	20½	20½
	20" VSG Power Feed	27½	30	30	28½	28½
	Gear Head Hand Feed	19½	22	22	20½	20½
	Gear Head Power Feed	22½	25	25	23½	23½

DRILLING SYSTEMS

20" VSG and Geared Head Drill Press Components

1. Choose the Drill Press Heads (includes complete head, head raiser, bench column, and flange)

20" VSG HEAD			For complete details and specifications see page below	
Catalog Number	DC Number	Description		
2050	30400	20" VSG Head - nonmotorized, 225 lbs. Select motor and switch from below	6-10	
GEARED HEAD DRILL HEADS - motorized				
220/3 phase		440/3 phase		Description
Cat. No.	DC No.	Cat. No.	DC No.	
20602	33916	20614	33928	20" Manual Feed Drill Press Head, 220 lbs. 13
24587	33867	24586	33866	25" Manual Feed Drill Press Head, 190 lbs. 14
24527	33807	24526	33806	25" Power Feed Drill Press Head, 200 lbs. 15
24547	33827	24546	33826	20" Power Feed Drill Press Head, 150 lbs. 16
24512	33983	24518	33982	25" Heavy Duty Power Feed Drill Press Head, 452 lbs. 17

You may select an optional cooling system for the Multiple Spindle System you choose

Complete Coolant Systems

Catalog Number	DC Number	Description
501061	28240	for single spindle models
501062	28241	for two spindle models
501063	28242	for three spindle models
501064	28243	for four spindle models
501065	28244	for five spindle models
501066	28245	for six spindle models

2. Choose Motor and Switch Combinations for 20" VSG

20" VSG Motor and Switch Combinations

Motor				Switch	Catalog Number	DC Number	Ship. Wt., Lbs.
Phase	H.P.	Voltage	RPM				
3	1 1/2	220	1725	Push button switch	550251	31164	45
3	1 1/2	220	1725	24 volt push button station, magnetic starter	550252	31165	45
3	1 1/2	440	1725	24 volt push button station, magnetic starter	550253	31166	45
1	1 1/2	230	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550255	31168	72
3	1 1/2	220	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550256	31169	72
3	1 1/2	440	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550257	31170	72
3	2	220	1725	Push button switch	550259	31172	45
3	2	440	1725	24 volt push button station, magnetic starter	550260	31173	45
3	2	220	1725	24 volt push button station, magnetic starter	550261	31174	45
3	2	220	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550262	31175	72
3	2	440	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550263	31176	72
1	1 1/2	230	1140	Push button switch	550265	31178	45
3	1 1/2	230	1140	Push button switch	550266	31179	45

3. Choose the Table you need

Smooth Tables

(includes table, legs, work surface and coolant trough)

T-Slotted Tables

(includes table, legs, work surface and coolant trough)

Catalog Number	DC Number	Description	Catalog Number	DC Number	Description
504967	38432	For 1 and 2 spindle Geared Head Drills and 20" VSG models. 619 lbs.	504960	38426	For 1 and 2 spindle Geared Head Drills and 20" VSG models. 614 lbs.
504966	38431	For 3 and 4 spindle Geared Head Drills and 20" VSG models. 1399 lbs.	504959	38425	For 3 and 4 spindle Geared Head Drills and 20" VSG models. 1395 lbs.
504972	38437	For 6 spindle Geared Head drills, 20" VSG. 2350 lbs.	504973	38438	For 6 spindle Geared Head Drills, 20" VSG. 2350 lbs.

For overall table length add 3 7/8" to working surface length.

MULTIPLE SPINDLE DRILLING SYSTEMS

15" Vari-Speed and 6-Speed Drill Press Components

1. Choose the Drill Press Heads

(includes complete head, bench column, and flange)

Catalog Number	DC Number	Description	For Complete Details and Specifications see page below	You may select an optional cooling system for the system you choose.		
				Complete Coolant Systems		
5844	30055	15" Vari-Speed Drill Press Head - non-motorized. Select motor and switch from below. 150 lbs.	20-23	Catalog Number	DC Number	Description
3844	30787	15" 6-Speed Drill Press Head - non-motorized. Select motor and switch from below. 140 lbs.	20-23	501061	28240	for single spindle models
				501062	28241	for two spindle models
				501063	28242	for three spindle models
				501064	28243	for four spindle models
				501065	28244	for five spindle models
				501066	28245	for six spindle models

2. Choose Motor and Switch Combinations for 15" VS & 6S

15" VS & 6S Motor and Switch Combinations

Phase	Motor			Switch	Catalog No.	DC Number	Shipping Wt. Lbs.
	H.P.	Voltage	RPM				
1	3/4	115/230	1725	Push button switch	550103	31018	42
1	3/4	115/230	1725	24 volt push button station, magnetic starter	550242	31155	45
1	3/4	115/230	1140	Push button switch	550224	31139	40
1	3/4	115/230	1140	24 volt push button station, magnetic starter	550243	31156	45
1	3/4	115/230	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550236	31141	72
1	3/4	115/230	1140	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550244	31157	72
3	3/4	208/220/440	1725	Push button switch—for 220V only*	550107	31022	38
3	3/4	208/220/440	1725	24 volt push button station, magnetic starter	550245	31158	45
3	3/4	208/220/440	1725	Full J.I.C., 110 volt push button station, magnetic starter, disconnect switch	550237	31143	72
3	3/4	208/220/440	1140	Push button switch—for 220V only*	550222	31137	38
3	3/4	208/220/440	1140	24 volt push button station, magnetic starter	550246	31159	45

3. Choose the Table you need

NOTE: If you are mixing 15" Drills with other Drill Head combinations you must use the large tables shown on page 31.

Smooth Tables

includes table, legs, work surface and coolant trough

T-Slotted Tables

includes table, legs, work surface, and coolant trough

Cat. Number	DC Number	Description	Diagram	Cat. Number	DC Number	Description	Diagram
504968	38433	For 1 and 2 spindle VS and 6S 15" Drills. 470 lbs.		504961	38427	For 1 and 2 spindle VS and 6S 15" Drills without head raiser. 466 lbs.	
504969	38434	For 3 and 4 spindle VS and 6S 15" Drills. 874 lbs.		504963	38429	For 1 and 2 spindle VS and 6S 15" Drills with head raiser. 466 lbs.	
504972	38437	For 6 spindle 6S and VS 15" Drills. 2350 lbs.		504962	38428	For 3 and 4 spindle VS and 6S 15" Drills without head raiser. 870 lbs.	
				504964	38430	For 3 and 4 spindle VS and 6S 15" Drills with head raiser. 870 lbs.	
				504973	38438	For 6 spindle 6S and VS 15" Drills. 2350 lbs.	

WILTON 15" Utility Drill Press

A Practical Light Duty Model 5 Speeds, Full 5" Stroke

Designed to meet the requirements of users in need of a utility drill press, this model is built throughout for value and convenience.

Standard features include *American Made Motor *5 Speed Pulleys under a Hinged Belt Guard *Large O - 1/2" Chuck *3 Spoke Handwheel *Front Mounted Depth Stop *Safety Collar.

Drive system of 5 speed pulleys provides a full range of speeds from 485-4800 RPM. The involute six-spline spindle and steel pulley shaft assembly combine during operation and run on a strategically located bearing assembly consisting of four sealed-for-life bearings. Versatile drilling capability is ensured by the machine's full 5" stroke.



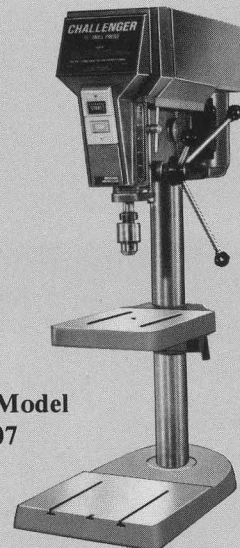
Model Shown
2704

ORDERING INFORMATION

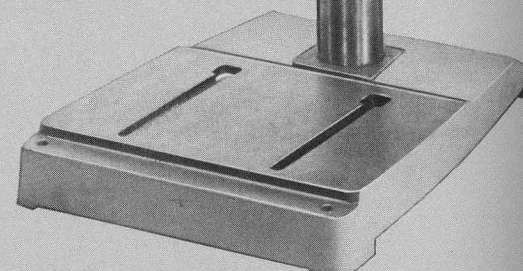
Catalog Number	DC Number	Description
2704	31439	Floor Model, with full head guard and front mounted push-button switch, 1/2 HP, split phase motor, 115 volt.
Bench Model		
2707	31442	Bench Model, with full head guard and front mounted push-button switch, 1/2 HP, Split phase motor.

SPECIFICATIONS

1/2 HP Motor wired	115/60/1
Capacity, cast iron	1/2"
Capacity, steel	3/8"
Drills to center	15"
Quill diameter	1 7/8"
Spindle travel	5"
5 Spindle speeds	485, 930, 1580, 2650, 4800 RPM
Column diameter	2 3/4"
Table size	10" x 11"
Base working area	10" x 15"
Spindle to table	41"
Spindle to base	47 1/4"
Height, overall	67 1/2"
Power, recom.	1/2 HP
Shipping weight	176 lbs.



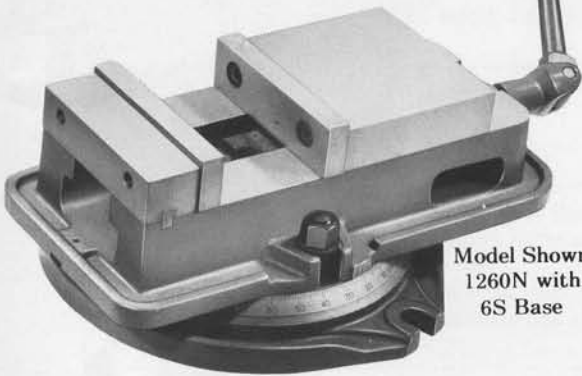
Bench Model
2707



VERTI-LOCK MACHINE VISES

WILTON

**Moveable Jaw Plates
Allow Clamping in 4 Positions**



Model Shown
1260N with
6S Base

Combines Advanced Design and Precision Tested Components

Jaw lift and work piece tilt are virtually eliminated by the simple action of a spherical mechanism that induces 1/2 pound of vertical downward force for each pound horizontally applied.

Cast from rigid ductile steel are critical components such as: •Vise body with flame-hardened bed •Fixed jaw, (rated at 85,000 p.s.i.) •Verti-Lock's annealed, surface-ground sliding jaw (rated at 70,000 psi.) •Optional swivel base

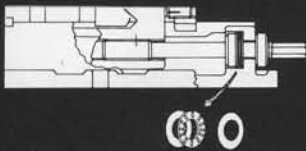
A totally enclosed vise screw thread is cut from a special alloy steel, hardened and ground. For exceptional clamping power the Verti-Lock's screw engaged through a needle type thrust bearing which is standard on all models (Fig. II)

Tempered, surface-ground and hardened to 50 Rockwell C, the jaw plates can be set to allow clamping in four positions (Fig. 1)

Other standard features include: •A pivoting handle allowing easier access and control to the workpiece •Coolant trough on both the vise body and the optional swivel base •Chip clearance holes—no dead pockets.

When ordered with a swivel base, the vise's complete 360° rotation is scribed on two 180° scales incremented in 1° indications. Swivel base must be ordered separately and assembles easily to the vise.

Needle Thrust Bearing on ALL Models



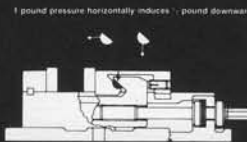
The screw engages the moveable jaw through a needle type thrust bearing. This Wilton feature on all models gives you 75% more clamping power and reduces friction so that the extra power is applied using less torque.

Swivel Base Calibrated in 1° Increments



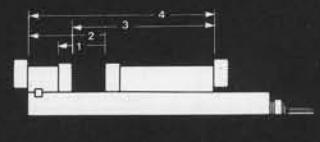
Only Wilton offers swivel bases that are calibrated in 1° increments for accurate positioning. These high quality bases give 360° rotation via two 180° scales. They attach to the vise with two bolts in seconds.

No Jaw Lift or Workpiece Tilt



Wilton Verti-Lock vises have a special spherical device in their drive system that delivers one-half pound of downward force for every pound of horizontal pressure. The result is solid, no-tilt control even under heavy pressure. Standard on all models.

Moveable Jaw Plates



Our system of moveable jaw plates allow you to clamp in four different positions. Tempered, surface-ground and hardened, the jaw plates control the work.

Our 6" PRECISION VISE



Model 1266N

Saves time, speeds productivity.

Precision machining of the vise's side panels let you use it in a variety of positions with no sacrifice in parallelizing or squareness. Ideal for applications requiring several operations on a workpiece, the vise may be turned to either side without changing the position of the work.

ORDERING INFORMATION

Catalog Number	DC Number	Description	Stationary Vise			Overall Height	Shipping Weight
			Jaws Width	Jaw Opening	Jaw Depth		
1240N	12380	4" Stationary 4" Vise	4"	4"-10½"	1¼"	3½"	39 lbs.
1250N	12390	5" Stationary 5" Vise	5"	4¼"-12"	1½"	4"	55 lbs.
1260N	12400	6" Stationary 6" Vise	6"	5½"-14½"	1¾"	4⅞"	79 lbs.
1266N	12406	6" Precision Vise	6"	5½"	1¾"	4-9/16"	70 lbs.
1280N	12375	8" Stationary 8" Vise	8"	7½"-18¾"	2¼"	5½"	143 lbs.
1210N	12350	10" Stationary 10" Vise	10"	9¾"-24¼"	2½"	6⅝"	300 lbs.

MACHINE VISES

Verti-Lock Accessories

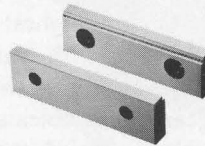


Swivel Base

A highest quality option is our swivel base. Mounts to a Verti-Lock vise in seconds, gives 360° rotation via two 180° scales calibrated in 1° increments.

Catalog Number	DC Number	Description	Overall Height	Shipping Weight
4S	12280	4" Swivel Base	1 3/8"	9 lbs.
5S	12285	5" Swivel Base	1 3/8"	15 lbs.
6S	12290	6" Swivel Base	1 5/8"	26 lbs.
8S	12295	8" Swivel Base	2 1/4"	79 lbs.

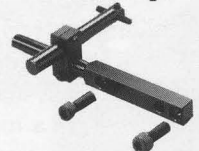
Jaw Plates Clamping in 4 Positions



Hardened and ground, jaw plates and step jaws let you take advantage of Verti-Lock's four-way clamping feature.

Part no. 121134 for 4" Vise (pair)
Part no. 121135 for 5" Vise (pair)
Part no. 121136 for 6" Vise (pair)
Part no. 121138 for 8" Vise (pair)

Workstops



Ideal for highly repetitive operations, workstops team with your Verti-Lock vise to give quick, accurate positioning time and time again.

Part no. 121124 for 4" Vise
Part no. 121125 for 5" Vise
Part no. 121126 for 6" Vise
Part no. 121128 for 8" Vise

Value-Built Milling Machine Vises

Complete with swivel, the 50S and 60S are ideal for milling, tapping and drilling operations.

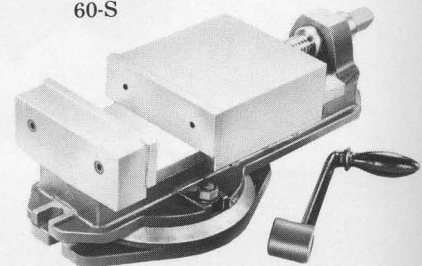
The swivel base is graduated in fine pitch for accurate set up of workpieces requiring accurate angular clamping. A high quality steel main screw utilizes a fine Acme thread for strength. Acting to track the sliding jaw are strips on the side of the vise's body. The jaws are made from a high-carbon steel.

Two bolt lugs make mounting easy, and the vise can also be mounted on its stationary base.

SPECIFICATIONS

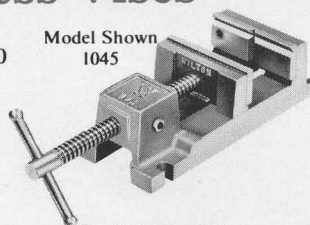
Catalog Number	DC Number	Jaw Width	Maximum Opening	Jaw Depth	Overall Height	Shipping Weight
50S	12365	5 1/8"	3 1/2"	1 5/8"	5 3/8"	40 lbs.
60S	12370	6 1/4"	4 5/8"	1 7/8"	5 1/2"	63 lbs.

Model Shown
60-S



Versatile Drill Press Vises

Rugged design and large workload capacity make the series 1000 and 1100 vises perfect for the most difficult drilling tapping or reaming operations. Precision 90° machining of the vise's sidebodies allows them to be utilized additionally as bases. Ground to a flatness of .0005 per lineal inch, the bases contribute to the vise delivering higher performance than any model in its class. The sturdy main castings are 30% heavier than conventional models.



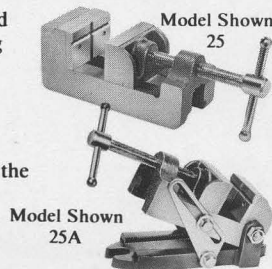
Rapid Action Nut—means fast loading and unloading—saves time and speeds production

Utility Drill Press Vises

Precision machining of the vise's sides and front side panel permits additional mounting positions for drilling, tapping or reaming.

The body and slide are also machined perfectly parallel and square to further ensure complete jaw alignment. Combining

Mounted on an angle base, which allows the vise to be adjusted quickly to any angle from 0° to 90° vertical, model 25A is sturdily constructed to give workpieces an accurate mount.



Catalog Number	DC Number	Jaw Width	Maximum Opening	Jaw Depth	Shipping Weight	
Conventional						
1035	12450	3 1/2"	4 1/4"	1 1/4"	9 lbs.	
1045	12500	4 1/2"	4 3/4"	1 7/8"	16 lbs.	
1060	12550	6"	6 3/4"	2 1/8"	28 lbs.	
Rapid Action						
1135	12650	3 1/2"	4 1/4"	1 1/4"	9 lbs.	
1145	12700	4 1/2"	4 3/4"	1 7/8"	16 lbs.	
1160	12750	6"	6 3/4"	2 1/8"	28 lbs.	
Catalog Number	DC Number	Jaw Width	Max. Opening	Jaw Depth	Overall Height	Shipping Weight
25	12800	2 1/2"	2 9/16"	1 1/2"	2 5/8"	6 lbs.
Standard Models						
30	12860	3"	3 1/8"	1 3/4"	3"	10 lbs.
Angle Models						
25A	12850	2 1/2"	2 1/2"	1 1/2"	3 7/16"	12 lbs. 5.4 kg.
30A	12870	3"	3 3/8"	1 3/4"	4 1/4"	17 lbs.

MILLING

Coordinate Milling Tables

Wilton milling tables are made with the very highest quality meehanite castings. Four models are available with manual cross and longitudinal feed, and two models are equipped with automatic longitudinal feed via a motor-driven gear box. Tables and guides are precision-ground. Upper and lower guides are reinforced for extra strength. Adjustable keys are standard for both feeds as well as locks for extra rigidity. Both feed spindles have axial ball bearings for smooth operation. The tables are accurate on horizontal plane .001" with lead screw accuracy of .0005" per inch. Each table has 1/2" T-slots with exterior oil groove as standard. The tables may be purchased as standard equipment on 20" Variable Speed-Gear drills and all Wilton Geared Head drills. All models may also be used on customer's existing machine tools whenever coordinate type tables are required for drilling, milling, or grinding. For mounting of milling tables to Wilton drills, or customer's existing machines, see adapters below.

Model Shown
510791



MANUAL FEED

Model Shown
510824



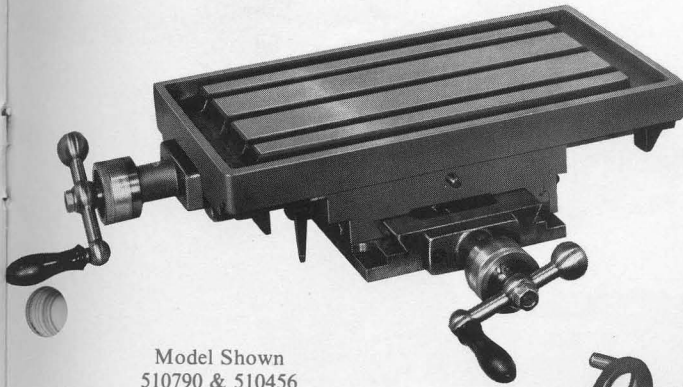
ORDERING INFORMATION

Catalog Number	DC Number	Description
MANUAL FEED		
510790	35642	Manual Feed Milling Table, cast iron precision ground with three T-Slots, one longitudinal feed handle, with oil groove. 17-23/32" x 9-7/16" work area.
510456	34953	Same as 510790 except with 22-9/16" x 9-7/16" work surface.
510791	35652	Same as 510790 except with 25 1/2" x 10 5/8" work surface, two longitudinal feed handles.
510824	35694	Same as 510790 except with 31 1/2" x 10 5/8" work surface.
AUTOMATIC FEED		
510825	35695	Same as 510824 except motorized for automatic longitudinal feeding, 220V
510792	35662	Same as 510790 except with 22-9/16" x 9-7/16" work surface, motorized for automatic longitudinal feeding.

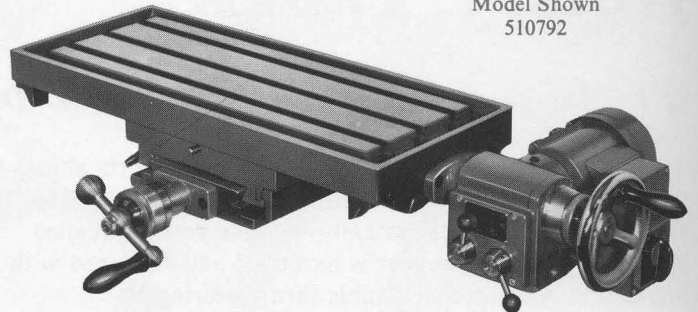
SPECIFICATIONS

	510456	510790	510791	510824
MANUAL FEED				
Working surface	22-9/16" x 9-7/16"	17-23/32" x 9-7/16"	25-19/32" x 10 5/8"	31 1/2" x 10 5/8"
Longitudinal feed	14-49/64"	10-53/64"	17-23/32"	19-11/16"
Crossfeed	6 1/8"	6 1/8"	9-27/32"	9-27/32"
Length of bedplate	10-13/64"	10-13/64"	14 3/8"	14 3/8"
Width of bedplate	9-27/32"	9-27/32"	8-21/32"	8-21/32"
Total height	4 1/2"	4 1/2"	5 1/2"	5 1/2"
T-Slots	1/2"	1/2"	1/2"	1/2"
Net weight	123 lbs.	104 lbs.	187 lbs.	231 lbs.
AUTOMATIC FEED		510792		510825
Working surface		22-9/16" x 9-7/16"		31 1/2" x 10 5/8"
Longitudinal feed		14-49/64"		19-11/16"
Crossfeed		6 1/8"		9-27/32"
Length of bedplate		10-13/64"		14 3/8"
Width of bedplate		9-27/32"		8-21/32"
Total height		4 1/2"		5 1/2"
T-Slots		1/2"		1/2"
Net weight		155 lbs.		242 lbs.
Electricals		3 phase, 220 or 440V, 1/2 HP		3 phase, 220 or 380V, 1/2 HP
6 speeds		7/16—1/16—1-7/16—2-7/32—4-3/16—7-13/16 IPM		7/16—1/16—1-7/16—2-7/32—4-3/16—7-13/16 IPM

TABLES

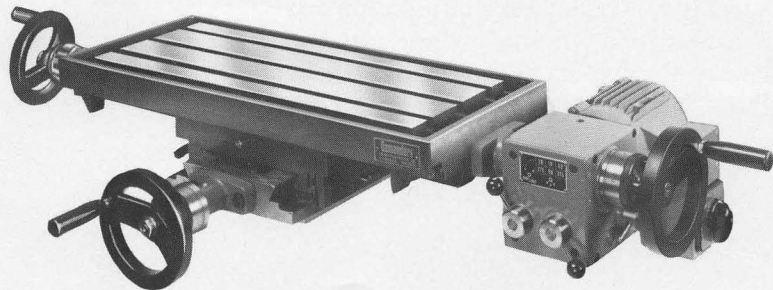


Model Shown
510790 & 510456



Model Shown
510792

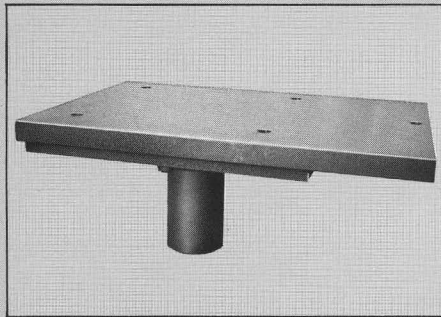
AUTOMATIC FEED



Model Shown
510825

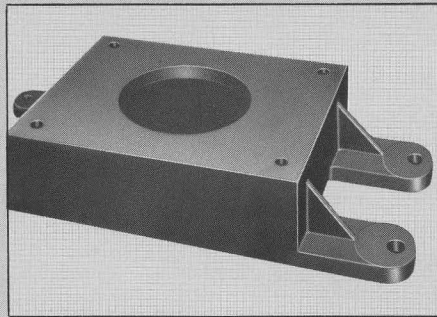
Adapter Plates

Mounting of Milling Tables to Wilton Drills or Customer's Existing Machines
For customer's existing machines, either use adapter plate #510795 or attach the table to the machine table by standard bridge clamps at each corner.



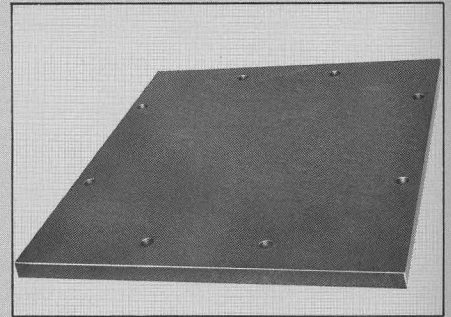
Adapter Plate with Stud
Model No. 510798

For Geared Head Drills 20606, 24528, 24548, 24588, 24513, and all four milling tables. Plate is automatically supplied when milling table is ordered with Geared Head Drill. Fits directly into the machine's knee in place of standard table.



Box Plate Adapter
Model No. 504611

For Wilton's 20" VSG Drill and milling tables 510790, 510456, 510792. Fits on standard Wilton production table.



Adapter Plate
Model No. 510796

For Wilton's 20" VSG Drill and Milling Tables 510791, 510824 and 510825. Fits on standard Wilton production table.

Rotary Tables

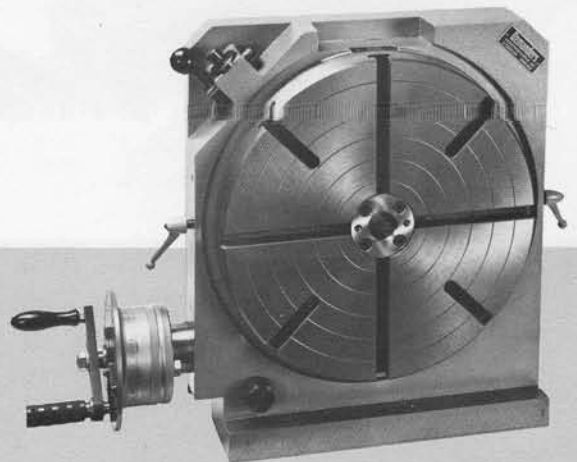
Precision Built for Precision Work.

Rotary Milling Tables are for horizontal or vertical use. For the demanding shop, these high quality frames and tables are ground before and after assembly to give you unequalled parallelism. The worm gear is hardened and equipped with self-lubricating bearings and double thrust bearings.

The edge of the table is graduated in 360° with an adjustable zero position. For normal rotary milling, the hand crank provides smooth, no-play rotation.

For operations requiring a high degree of precision and repeatability such as gear spline cutting, division may be accomplished by use of the division disc. This allows accuracy to ± 45 seconds. Adjustable guides and index pin remember your setting for you.

**Machined
for Accuracy, Parallelism**



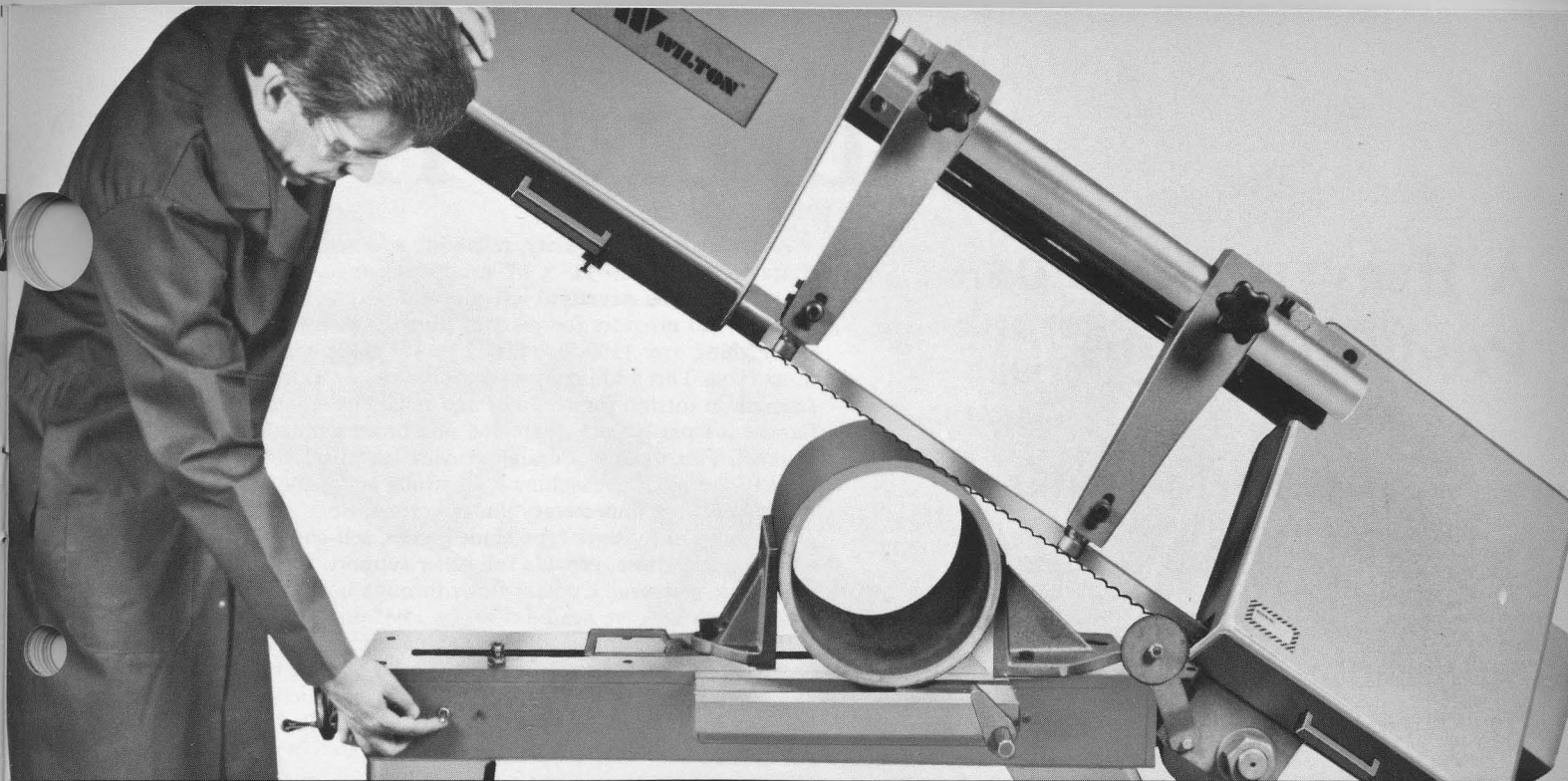
ORDERING INFORMATION

Catalog DC
Number Number Description

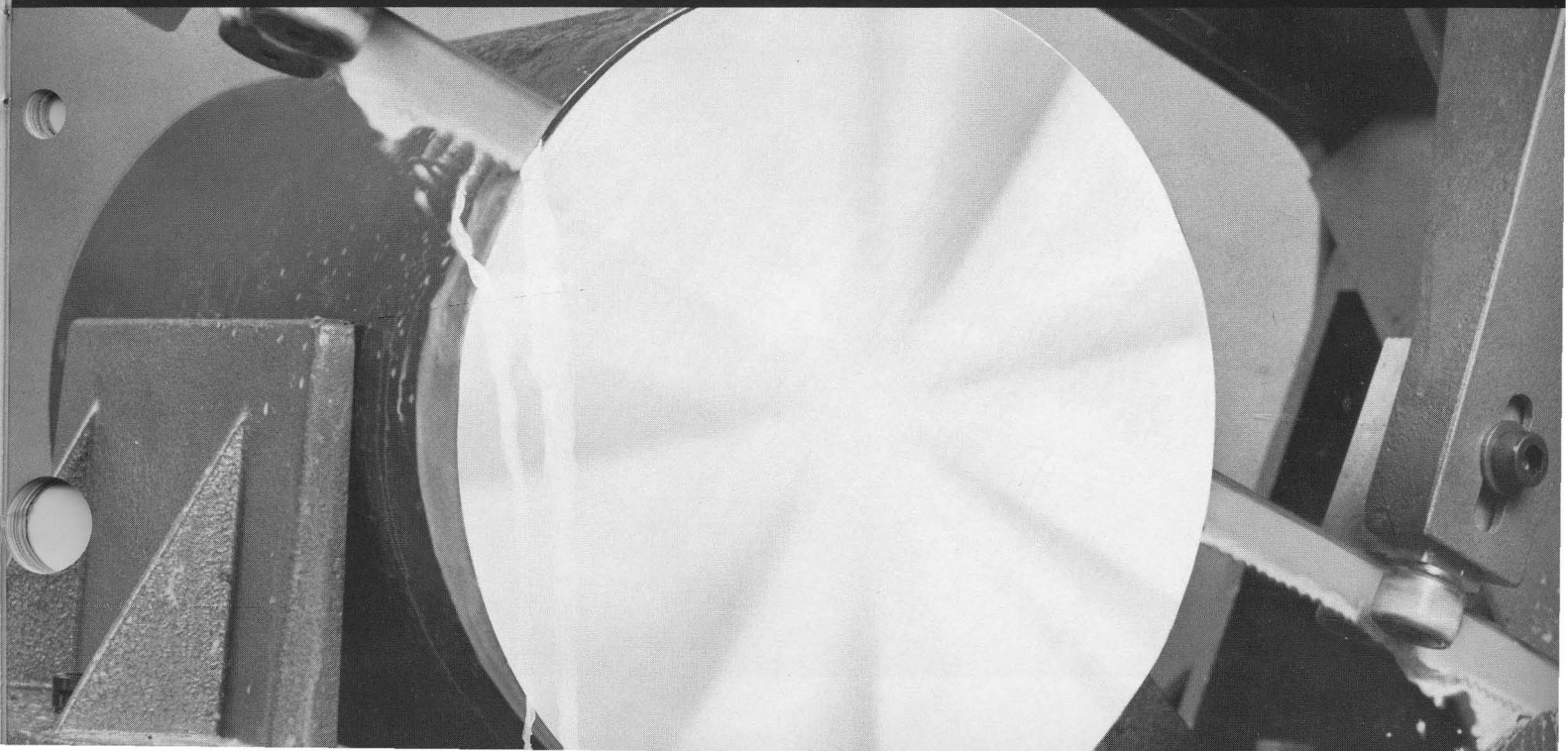
510822	35692	Rotary indexing work table, cast iron machined and face ground, 10" diameter table plate with T-Slots.
510823	35693	Same as 510822 except with 13-3/4" diameter table plate.

SPECIFICATIONS

	Model 510822	Model 510823
Diam. of table plate	9 $\frac{7}{8}$ "	13 $\frac{3}{4}$ "
Total height	4 $\frac{1}{8}$ "	4 $\frac{1}{2}$ "
Width of T-slot	$\frac{1}{2}$ "	$\frac{1}{2}$ "
Size of bedplate	13 $\frac{3}{8}$ " x 11 $\frac{3}{8}$ "	17 $\frac{1}{8}$ " x 15 $\frac{3}{4}$ "
Angle plate dim.	10 $\frac{5}{8}$ " x 4"	14 $\frac{3}{8}$ " x 4 $\frac{3}{8}$ "
Gearing table-worm screw	1:90	1:90
Movement of table per hand-wheel rev.	4°	4°
Table plane accuracy	+0.0001	+0.0001
Table round accuracy in MK	+0.0007	+0.0007
Division accuracy, direct	± 45 sec.	± 45 sec.
Division accuracy, by hole disk	± 45 sec.	± 45 sec.
Weight net	110 lbs.	209 lbs.
Weight gross	136 lbs.	235 lbs.



SAWING



WILTON'S 11" x 18"

A Heavyweight For Production Jobs

Accuracy, added capacity, reliability and economy characterize the new 11" x 18" production-rated cut-off saw from Wilton. Its structural integrity not only guarantees these benefits, but provides for years of superior performance.

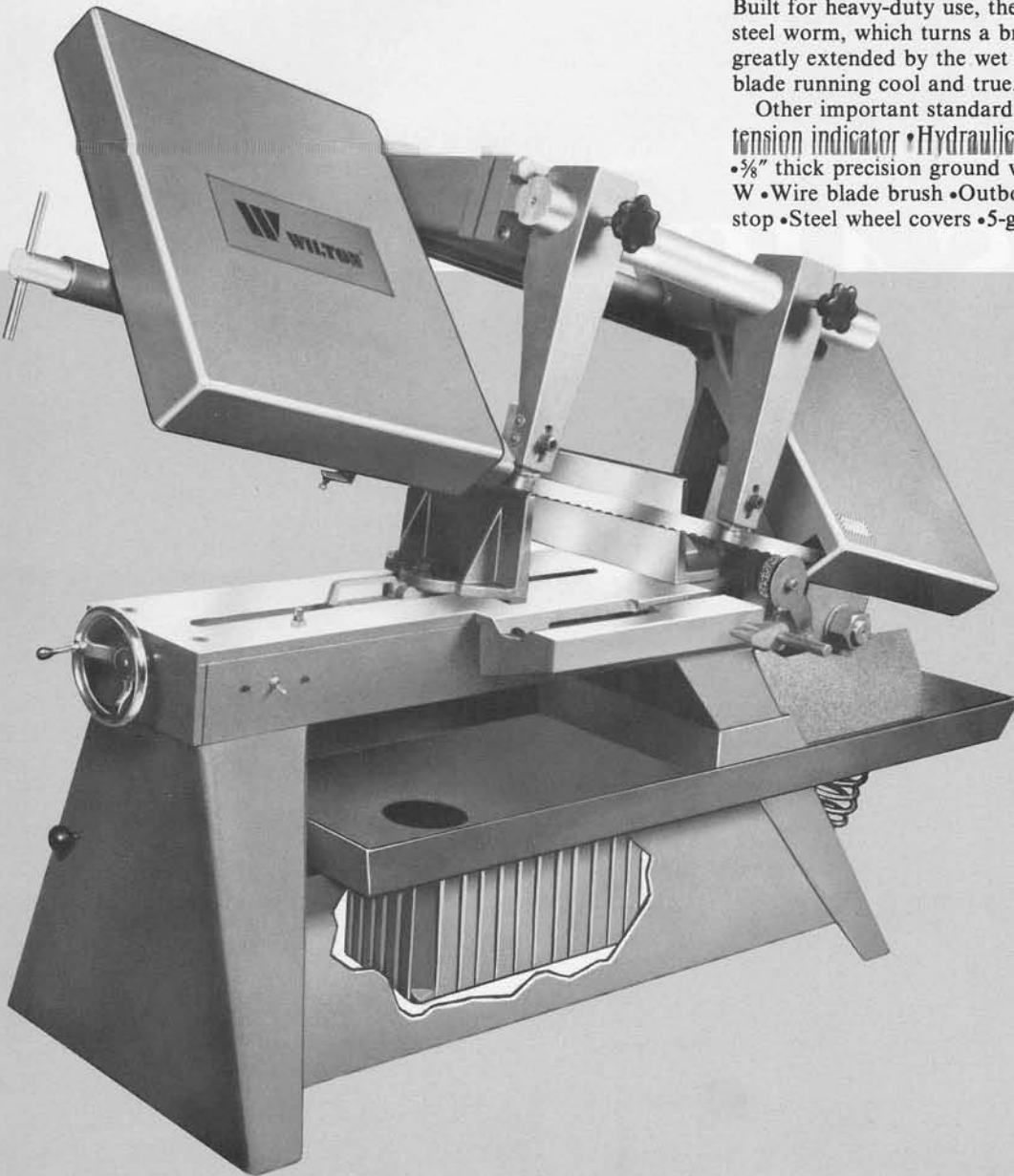
Weighing over 1100 lbs., the 11" x 18" is the heaviest machine in its class. This additional weight provides an extra margin of strength in torsion for accuracy and reliability. The saw's head is flame-cut from ½" steel plate and reinforced with a ¾" steel U-channel. This weldment design provides excellent strength and rigidity overall. The machine is so strong and heavy adjustments are unnecessary under normal use.

Proven cam follower type blade guides, self-contained in aluminum modules, provide full roller support. The outboard guides are eccentric. Coolant flows through both modules.

The saw's massive head design, its 15½" diameter blade wheels and vise combine to give the machine the ability to handle larger workpieces. For use with high speed blades we recommend our 1½ or 2 HP models, each of which offers 2 speed ranges: 80, 140, 200, 275 and 110, 150, 220, 375.

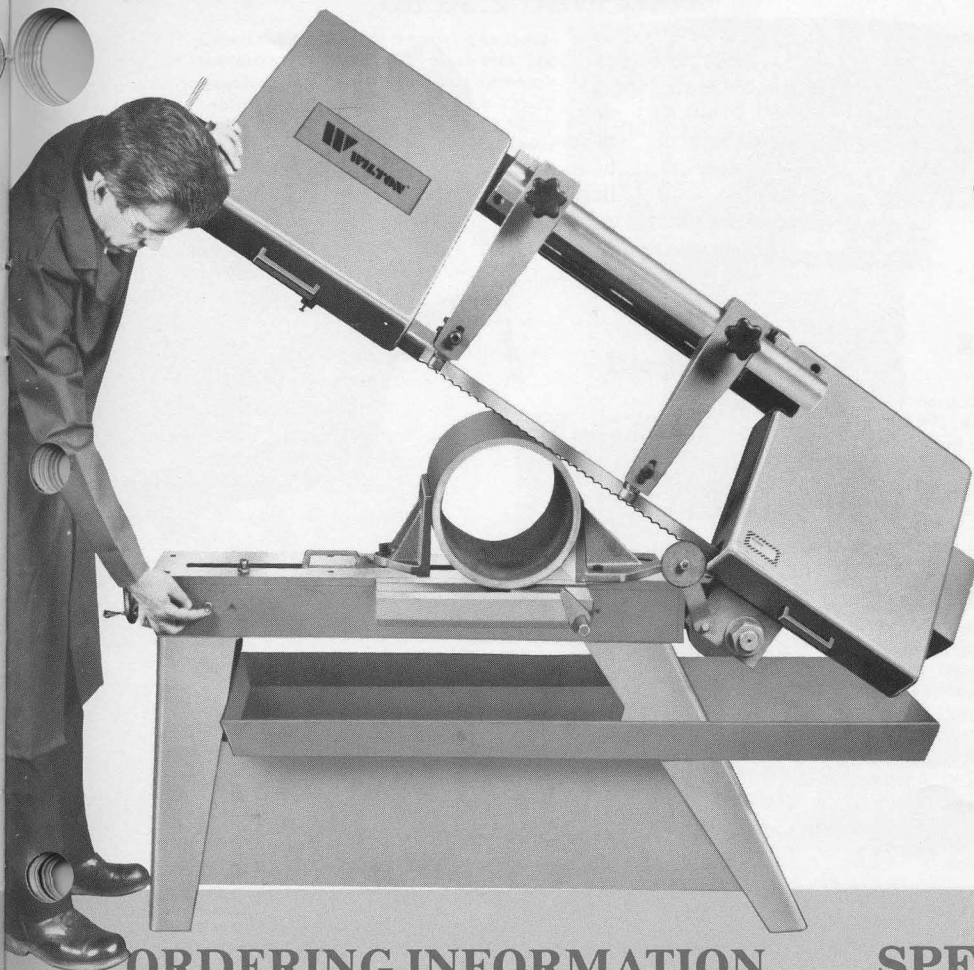
For maximum reliability a worm gear reduction drive train in an oil bath transmits smooth and positive power to the blade. Built for heavy-duty use, the gear box utilizes a heat-treated steel worm, which turns a bronze worm gear. Blade life is greatly extended by the wet cutting feature, which keeps the blade running cool and true.

Other important standard features include: •Exclusive blade tension indicator •Hydraulic infeed •Rapid acting 45° swivel vise •¾" thick precision ground work table measuring 44½"L x 9½" W •Wire blade brush •Outboard work support table with work stop •Steel wheel covers •5-gallon coolant system.



Model Shown
3610

CUT-OFF SAW



Increased Capacity
Cuts 10" commercial pipe!

Greater Reliability
Maintains alignment over
and over again!

Assured Accuracy
to .002 per vertical inch!

Greatest Speed
Range

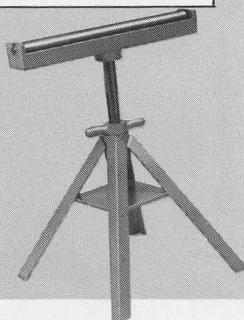
ORDERING INFORMATION

Catalog Number	DC Number	Description
3610	37310	11" x 18" Capacity Saw, integral coolant system, 2-Speed, 1½ HP Motor, 230 Volt Single Phase with toggle switch.
3612	37312	Same except 230/460 Volt, 3 Phase.**
3613	37313	Same except with 24 Volt at switch.
3614	37314	Same except 460 Volt with full JIC controls.
3620	37320	11" x 18" Capacity Saw, integral coolant system, 2-Speed Motor, 2 HP, 230 Volt, Single Phase with toggle switch.
3621	37321	Same except 230/460 Volt, 3 Phase.**
3623	37323	Same except with 24 Volt at switch.
3623	37324	Same except 460 Volt with full JIC controls.

**connected 230V unless specified
Other electrics available upon request.

STOCK STAND— No. 508150 DC Number 34410

A valuable accessory for your band saw. Provides solid support to level long, heavy stock during feeding. Safely handles any work to 20" wide and adjusts from 21" to 30" high. Shipping weight 60 lbs.



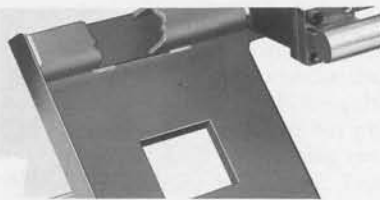
SPECIFICATIONS

Capacity:	Cut-off 10¼" x 18", Round 10¼" 45° Angle Cutting 9¼" x 10¼" Short Piece 9¼" x 8" Long Piece Flat 15" wide x 10¼" high 18" wide x 2½" high
Speed Ranges:	1½ HP: (1) 80, 140, 200, 275 - (2) 110, 150, 220, 375 2 HP: (1) 80, 140, 200, 275 - (2) 110, 150, 220, 375
Blade Drive:	Steel, heat-treated worm driving a bronze worm gear in oil bath
Blade Guides:	Cam follower side guides, floating carbide rear guide. Guide assembly in aluminum module; fully adjustable in both planes. Side guides are adjustable with eccentric cam. Coolant flows through both modules.
Motor:	1½ or 2 HP capacitor start, 1725 RPM, 56 frame
Blade:	1" x .035" x 141"
Blade Wheels:	15½" diameter
Vise Jaws:	Rapid-acting 12¼" x 6" stationary; 9½" x 6" movable—opens to 18½"
Feed Control:	Spring/Hydraulic Cylinder
Band Tension:	Handwheel w/tension indicator
Machine Dimensions:	L 72½" W 35" H 42½" H 72" w/head raised
Coolant Pump:	Submersible in 5 gal. single phase motor. Complete with shut-off valves and tank baffle.
Shipping Weight:	1150 lbs.

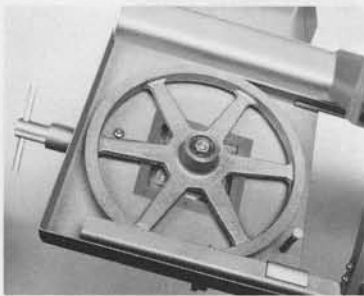
Wilton 11" x 18" C

Heavyweight Head Design

Flame-cut from $\frac{1}{2}$ " steel plate and reinforced with $\frac{3}{4}$ " steel U-channel, the weldment construction of the head delivers superior strength and rigidity. So great is its strength that adjustments to the head are unnecessary under normal use. This design provides an extra margin of strength in torsion and virtually eliminates head deflection.



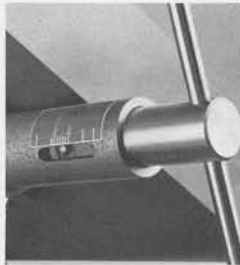
15 $\frac{1}{2}$ " Diameter Blade Wheels



Wilton's larger wheel size ensures more blade support, less blade tension, less fatigue and less downtime. Their larger size allows the saw to cut a bigger section and extends blade life.

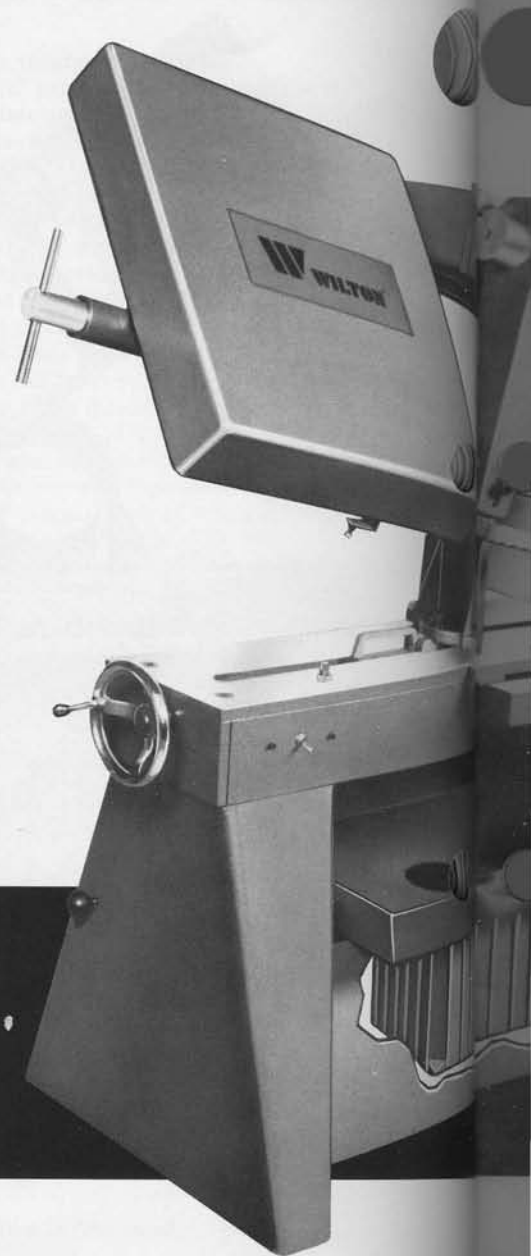
Exclusive Blade Tensioning Device

Adjustment of blade tension is no problem with the 11" x 18". Simply dial the hand-wheel to correct blade tension setting. The resulting benefits are longer blade life and greater accuracy.



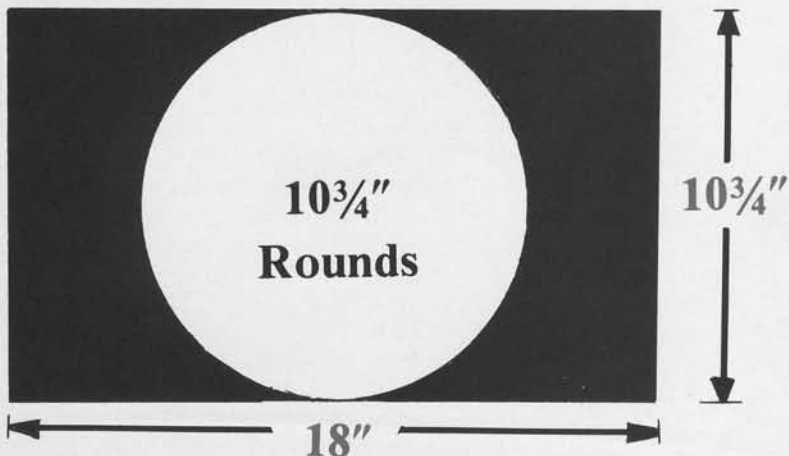
Hydraulic Feed

A counter balance extension spring combines with a hydraulic cylinder to permit proper feeding. This combination extends blade life by properly regulating the feed rate to material hardness. The hydraulic also adjusts the head speed prior to engaging the blade to the workpiece. It conveniently adjusts from the left side of the saw, grouped controls.



11" x 18" Cut-off Saw -

• In Cutting Capacity . . .



• In Size . . .

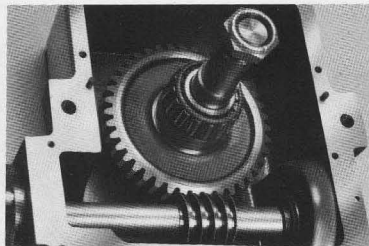
• In Weight . . .

1150 lbs.

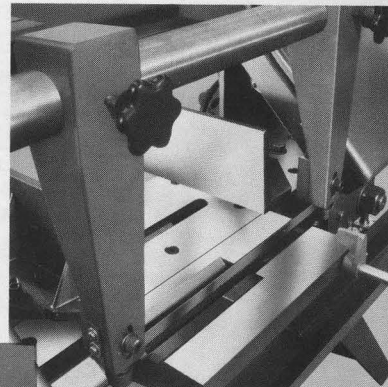
Cut-Off Saw

Oil Bath Drive Train

Constant lubrication to the saw's gear reduction drive train is assured by an oil bath. The machine's gear reduction drive assembly consists of a heavy-duty steel, heat-treated worm driving a bronze worm gear, which combine to deliver smooth and quiet power to the blade. Both gear shafts are machined from fatigue-proof steel having Timken tapered bearings.

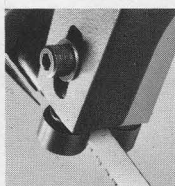


Precision Design

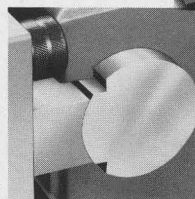


Consistent accuracy necessitates strength in stress areas. A fine example of the strength built into the Wilton 11" x 18" can be seen in the guide arm support — a 2½" diameter piece of hot rolled steel bar which is double keyed to accurately track the blade guide bars. This blade support system locks the blade guides at a precise 90° angle and allows guide bar movement to any required position as size of work changes. No further adjustments required.

Blade Guides



Full roller support and controlled coolant delivery are provided by the saw's blade guide modules. Of superior eccentric cam and cam follower type, they are fully adjustable. A floating carbide insert supports the back edge of the blade during operation.

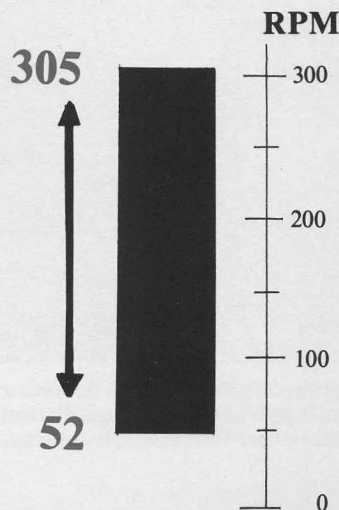
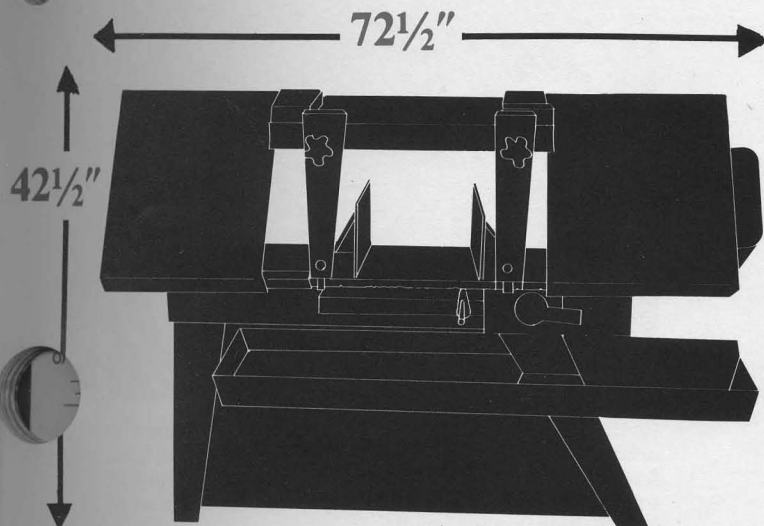


Coolant System

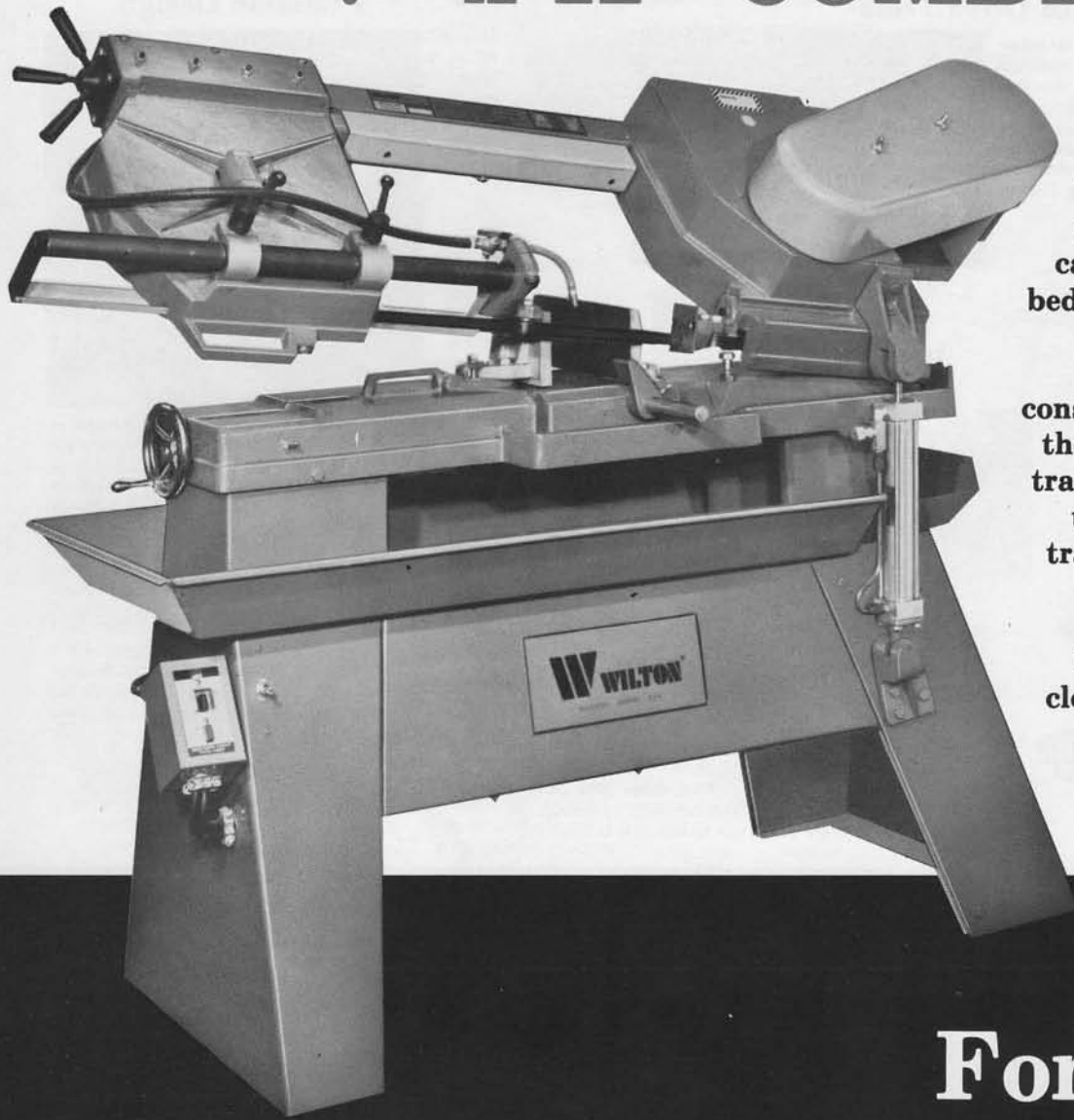
Delivered to the blade through both blade guide modules, the saw's coolant system has a 5-gallon capacity. The tank has an inside baffle and submersible pump with single phase motor. Both modules have shut-off petcocks. An extra deep steel trough runs the length of the saw to minimize oversplash.

Features to Lead its Class

• In Speed Range . . .



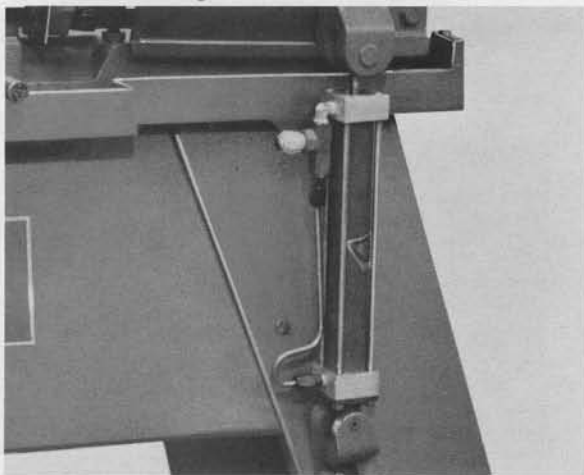
7" x 12" COMBINATION



The Wilton 7 x 12's are designed and built with cast iron heads, cast iron beds and steel components for durability and accuracy. This solid construction, together with the saw's peripheral drive train, has proven excellent through their on-the-job track record. Wet cutting models use coolant to reduce friction, extend blade life and provide a cleaner cutting operation.

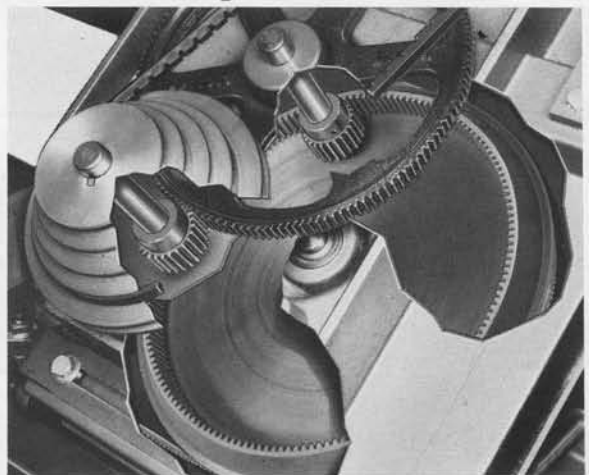
Quality For Precision

Hydraulic Feed



Optional Hydraulic Feed delivers smooth, clean cuts and prolongs blade life by properly regulating the feed rate to material hardness.

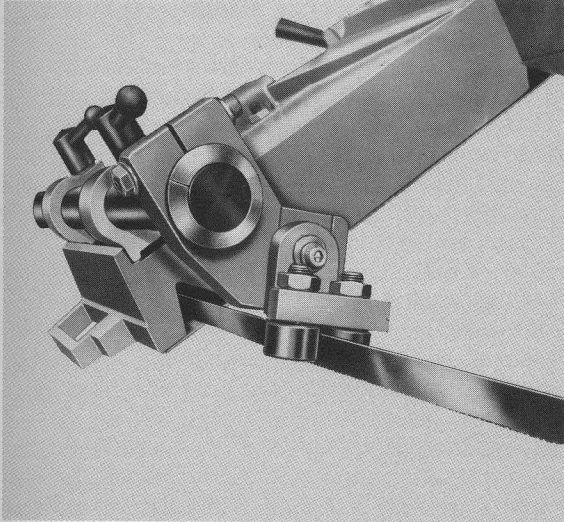
Peripheral Drive



Combining a double reduction internal gear assembly with a four-step drive pulley, the saw's Peripheral Drive is extremely efficient. Power to the blade is transmitted with exceptional smoothness—its operation delivering accurate, high quality results.

CUT-OFF BAND SAWS

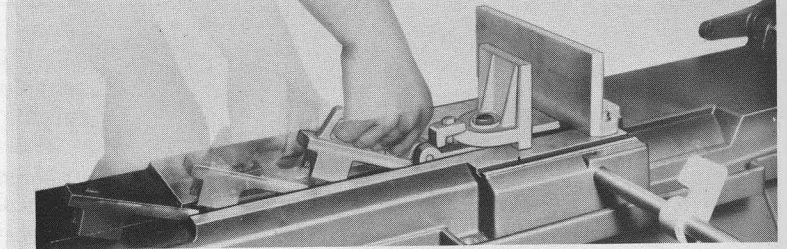
Full Blade Support



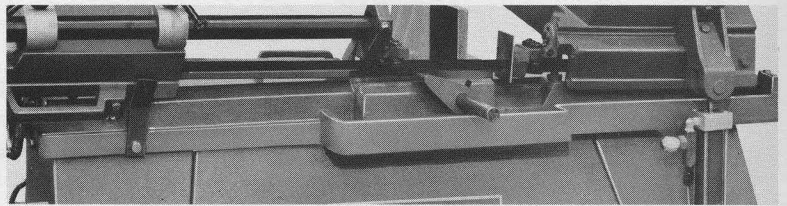
A Solid Steel Guide Arm and Hardened Roller Bearing Blade Guides provide full blade support. Guides are adjustable both vertically and horizontally on mounted needle bearings.

Rapid-Acting Vise /Cast Iron Components

A Rapid-Acting Vise lifts for free sliding action and automatically engages the nut for continuous screw tightening action. The action of a cantilever provides vertical downward thrust on round parts; vise adjusts from 0° to 45° for mitre cutting.

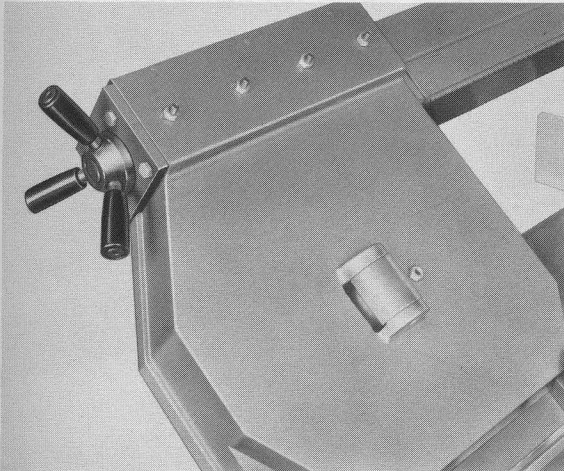


Wilton's Cast Iron Base is heavily constructed to provide solid support for the saw's Cast Iron Power Head.



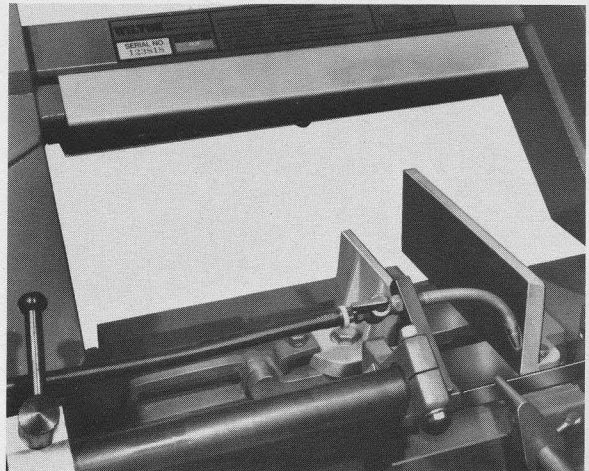
Features and Value

Lead Screw Adjustment



To assure precision tension a Lead Screw Blade Adjustment is mounted on the 7 x 12's box steel channel. When utilized, it locks head alignment and quickens blade change operations.

Rugged Box Steel Backbone



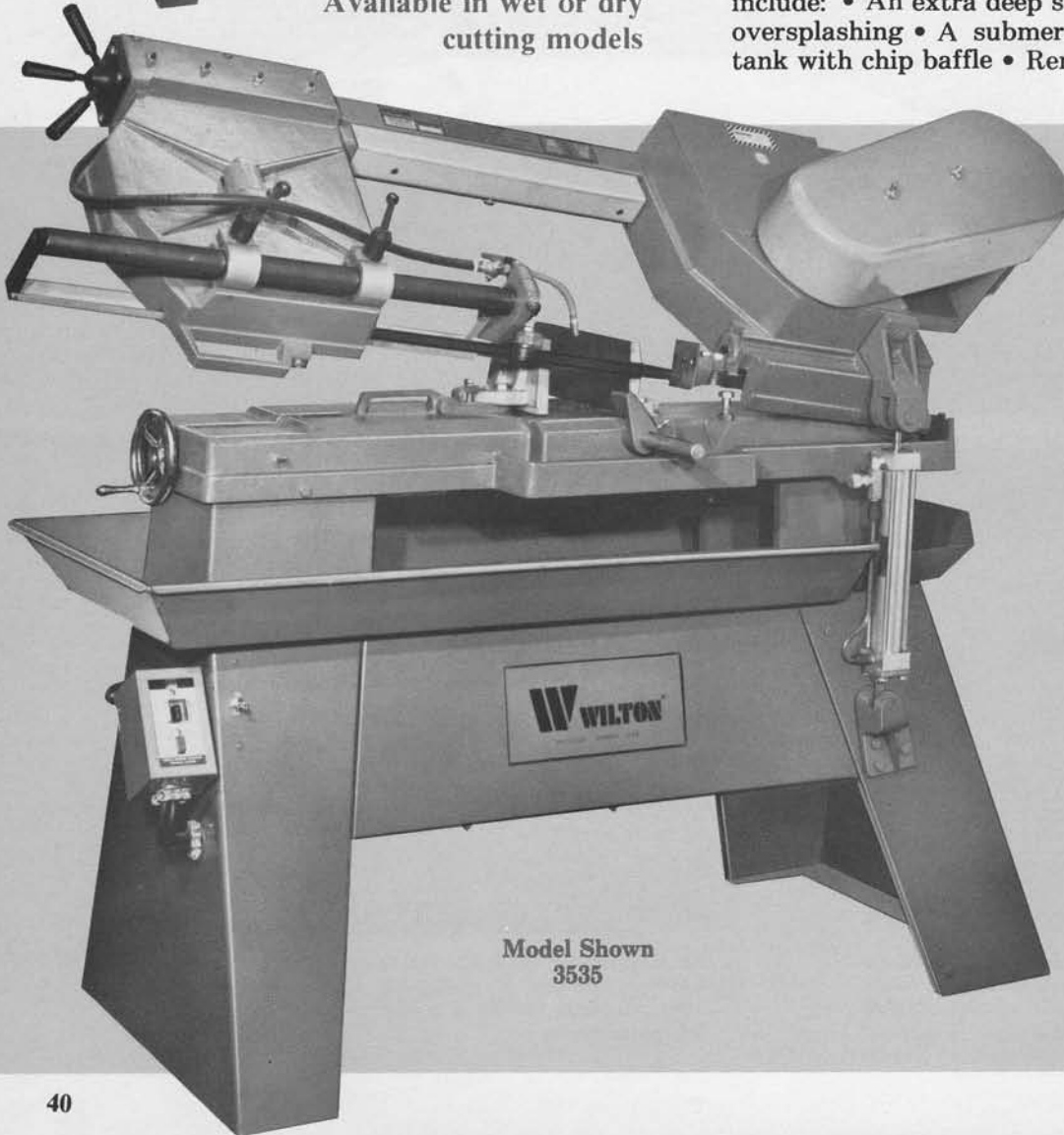
Full support for the motor and drive assembly is provided by a rugged Box Steel Channel Backbone. This added strength keeps the blade in alignment for truer cutting, less adjustment.

7" x 12" COMBINATION

Designed to be
the Top Performer
in its Class



Available in wet or dry
cutting models



Model Shown
3535

The rugged construction of this machine puts strength in stress areas to dampen vibration for accurate cutting. Weighing over 450 pounds, it has a solid cast iron head, cast iron base and reinforced stand.

Full support for motor and drive are provided by a rugged steel box beam backbone that keeps the blade in alignment. Driven by an efficient double reduction gear train, the blade operates at any of four standard speeds (60, 110, 155, and 205 SFPM). A large diameter internal gear on the drive wheel also minimizes vibrations for truer cutting and maintaining blade adjustments.

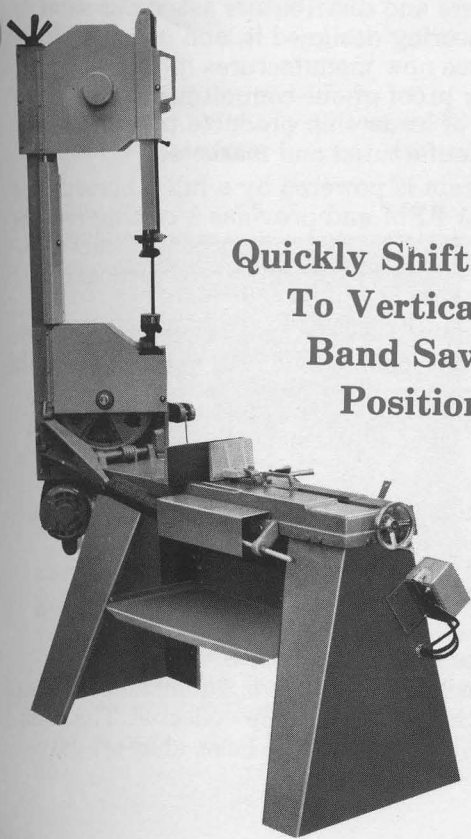
A lead screw adjustment on the steel box beam channel assures precision tension adjustment, locks the head alignment and provides quick blade change. Full blade support is assured by a solid steel guide arm. Cam follower blade guides are adjustable on rigid mounted needle bearings and rear guides are ball bearing.

A rapid acting vise lifts for free sliding and engages automatically on a nut for continuous screw tightening action. The vise's counter lever provides down thrust on round parts and adjusts up to 45° for mitre cutting.

Standard features for dependable wet cutting include: • An extra deep steel trough that minimizes oversplashing • A submersible coolant pump in a built-in tank with chip baffle • Removable tank for cleaning ease.

- Cast iron power head and table
- Fully enclosed coolant trough
- Lead screw blade adjustment
- OSHA Color-keyed for safety
- Heavy-duty, 3/4" blade
- Complete with floor base, blade, motor and wet sawing accessories
- Quickly shifts to vertical band saw position
- Equipped with Hydraulic Feed

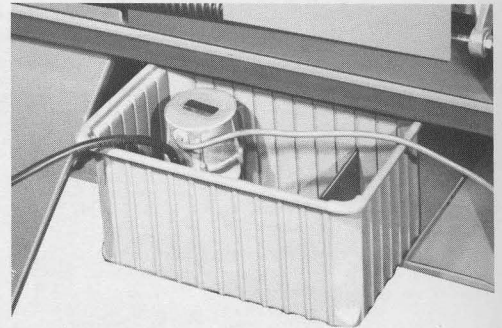
CUT-OFF/BAND SAW



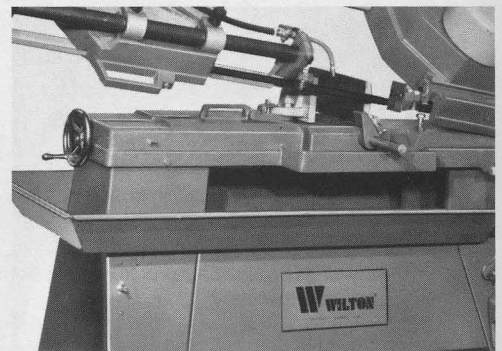
**Quickly Shifts
To Vertical
Band Saw
Position**

Wet Cutting Features

The saw's **Coolant System** consists of a 5-gallon tank with inside baffle, submersible pump with single phase motor, hose, flexible nozzles and shut-off valve.



An **Extra Deep Steel Coolant Trough** wraps around the entire saw to minimize oversplashing.



ORDERING INFORMATION

Catalog Number	DC Number	Description
Wet Cutting Models includes complete cooling system		
3522	37262	7" x 12" Wet Metal-Cutting Combination Band Saw with 1 phase switch, 1/2 HP 1 phase, 115/230 volt motor, floor stand. 450 lbs.
3535	37275	Same as 3522 except with Hydraulic Feed.
3555	37295	Same as 3522 except with Hydraulic Feed and low voltage protection switch. 455 lbs.

Dry Cutting Models

3502	37240	7" x 12" Dry Metal Cutting Combination Band Saw with 1 phase switch, 1/2 HP, 1 phase, 115/230 volt motor, floor stand. 410 lbs.
3505	37242	Same as 3502 except with low voltage protection

SPECIFICATIONS

Capacity	Cut-off—7" x 12" Vertical bandsaw—7" throat depth. 45° angle cutting—7" x 6 1/4"
Speeds:	60, 110, 155 and 205 SFPM.
Blade Drive:	Double reduction, final drive... internal pinion gear.
Blade Guides:	Cam follower blade guides (needle bearings) ball bearing rear guide.
Motor:	1/2 hp, capacitor start, 1725 rpm, single or three phase.
Blade:	3/4" x .032" x 101"
Blade Wheels:	1 1/16" diameter. Cast iron.
Machine Dimensions:	L52" ; W24" H50" —Cut-off position; H 73 1/4"—Vertical Position
Coolant Pump	Submersible in 5 gal. tank, single phase motor. Complete with 6" plastic hose, flexible nozzle, shut-off valve and tank baffle.

Accessories

Catalog Number	DC Number	Description
503962	37567	10" x 10" worktable (for use in vertical cutting position)
* 504364	38016	10 teeth per inch — 3/4" x .032" x 101" blade
504424	38076	14 teeth per inch — 3/4" x .032" x 101" blade
553509	38045	Hydraulic Cyl. Assy.

* Supplied as standard on band saws

WILTON 5"x8" COMBINATION

This is the saw users and distributors asked our sales force to build. Engineering designed it, and our plant in Winchester, Tennessee now manufactures it. The 5" x 8" Wet Bandsaw is now proof of our commitment to a continuing tradition of leadership products that are Wilton designed, manufactured and marketed.

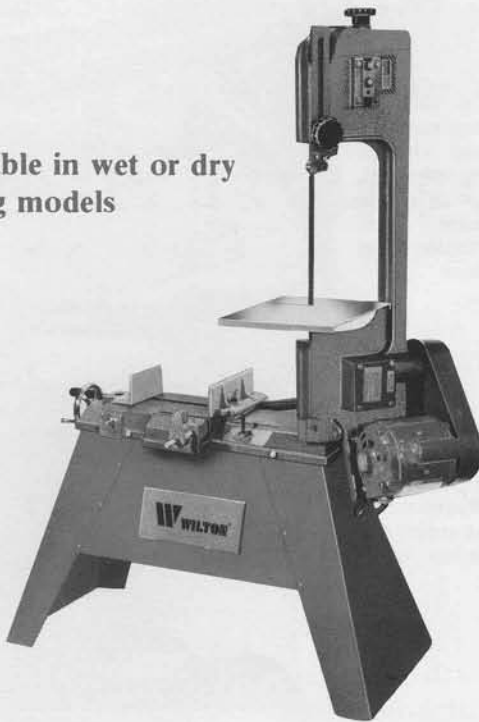
The saw's drive train is powered by a full 1/2 horsepower motor, rated at 1725 RPM and provides 3 cutting speeds, 75, 120 and 220 SFPM. This permits cutting of metal, plastic and wood in either of the machine's vertical or horizontal positions.

A steel heat-treated worm driving a bronze worm gear gives smooth and quiet operation of the gear box assembly. Wilton's oil bath drive train extends the production life of the machine through constant lubrication of internal moving parts.

The 5" x 8" blade guides adjust fully in both directions and in three planes. This assembly combines two cam follower side guides, of which one is an adjustable cam outboard guide, and a ball bearing rear guide. The saw's sliding guide arm permits positioning close to the cut.

Fully equipped for wet-cutting the 5" x 8" Wet is complete with a steel coolant trough, submersible coolant pump and tank with screen and chip collector. The tank is removable for cleaning and flexible hose, shut-off valve and nozzle are standard.

Available in wet or dry cutting models



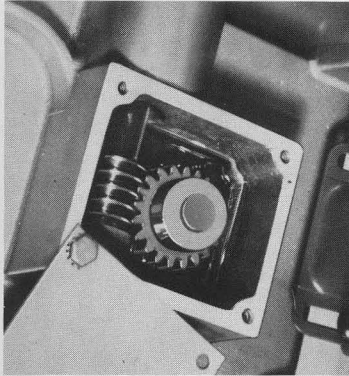
The First Wet-Cutting Machine in its Size



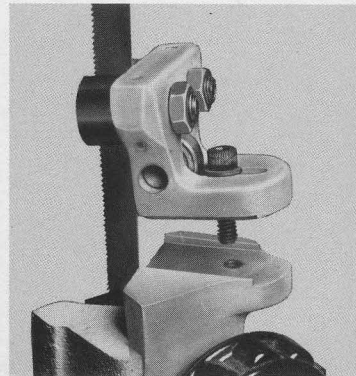
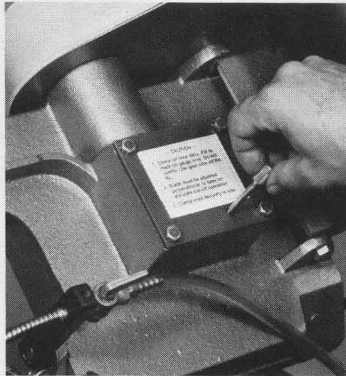
Model Shown
3130

- Convenient tension and blade tracking control
- OSHA specified blade guard and markings
- Cast iron head and base
- Adjustable, 45° swivel vise
- Work stop adjustment
- Complete with floor stand, blade, motor and wet cutting accessories

— available in Wet or Dry Models

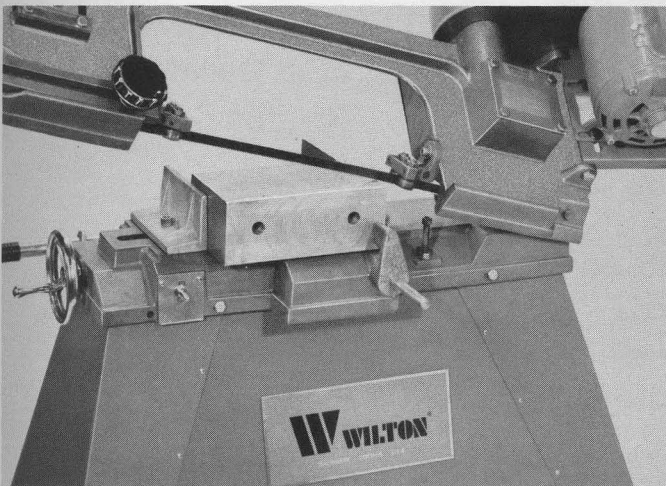


An **oil bath drive train** provides constant lubrication to internal moving parts. Assuring smooth, quiet operation is a gear reduction drive assembly—a steel, heat-treated worm driving a bronze worm gear. For convenient maintenance dipstick unscrews to check oil level.

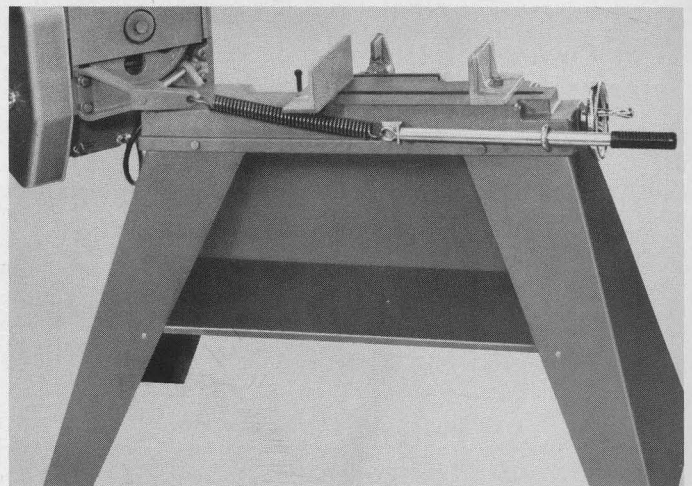


Three **blade guides** provide full roller support and insure proper blade alignment for the 5" x 8". The assembly combines two cam follower side guides, one of which is an adjustable eccentric cam outboard guide, and a ball bearing rear guide. They are adjustable in three planes and are mounted on a dovetail.

Standard Features



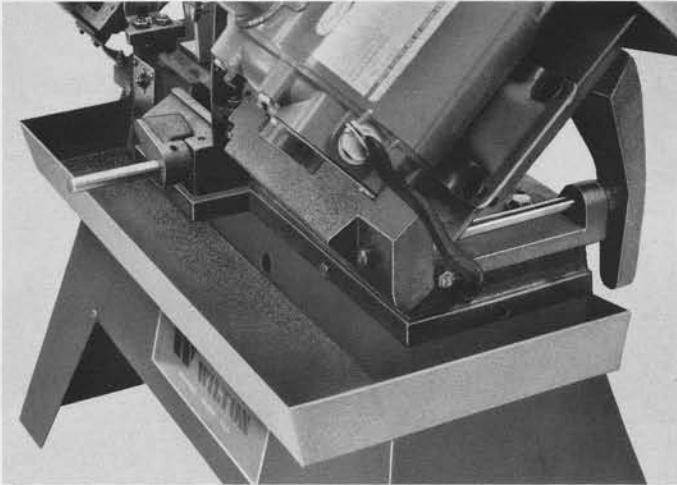
To accommodate its larger cutting capacity, the 5" x 8" is powered by a full $\frac{1}{2}$ HP motor. Standard work stop adjustment is useful when making repetitive cuts.



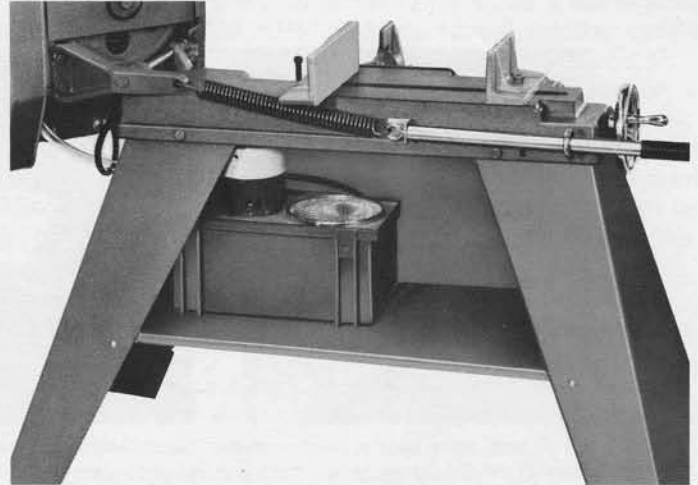
A handy **tool shelf** is built into the rugged, steel stand of the saw. It provides ample storage space for extra blades, tools, etc.

5" x 8" Cut-off Band Saw

Wet Cutting Features



A steel coolant trough runs the full length of the base to minimize oversplashing. Submersible pump, tank, hose and nozzle are included as standard.



The centrifugal pump on the 5" x 8" wet is fan-cooled and thermally protected. Its tank has a one gallon capacity and is complete with screen and chip collector.

ORDERING INFORMATION

Catalog Number	DC Number	Description
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Wet Cutting Models includes complete cooling system

3230	36830	5" x 8" Wet Metal-Cutting Combination Band Saw with 1 phase switch; 1 phase, 1/2 HP, 115/230 Volt motor; floor stand. 214 lbs.
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Dry Cutting Models

3130	36820	5" x 8" Dry Metal-Cutting Combination Band Saw with 1 phase switch; 1 phase, 1/2 HP, 115/230 Volt motor; floor stand. 202 lbs.
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*230 Volt motor available for export.

Accessories

Catalog Number	DC Number	Description
503961	37566	10" x 10" Work Table Assembly
504893	38359	6 teeth per inch
504894	38360	10 teeth per inch
504895	38361	14 teeth per inch

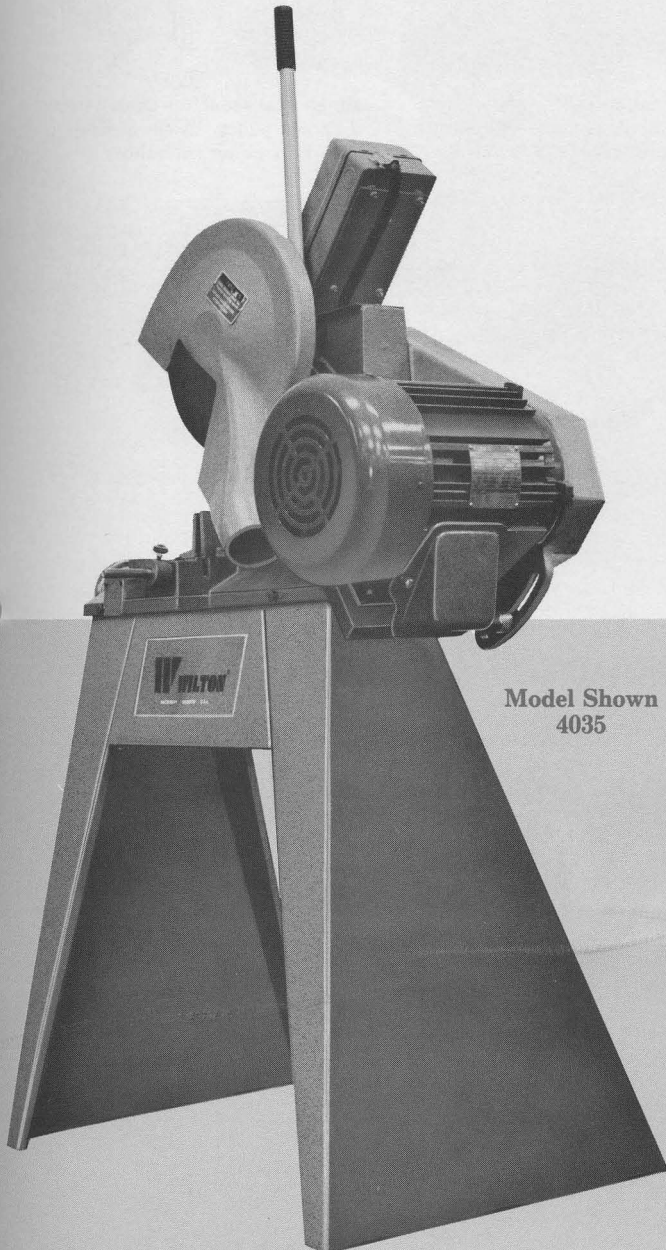
SPECIFICATIONS

Capacity:	Cut-off—5" x 8" Vertical Band Saw 3" throat depth, 45° angle cutting
Speeds:	75, 120, 220 SFPM
Blade Drive:	Steel, heat treated worm driving a bronze worm gear in oil bath.
Saw Guides:	Cam follower side guides, ball bearing rear guide. Guide assembly adjustable in both planes—side guides are adjustable with eccentric cam, rear guide with adjustable slot.
Motor	1/2 HP, 1725 RPM, capacitor start
Blade Wheels:	7 1/2" (191mm) diameter flanged cast iron
Machine Dimensions:	L 44 1/4" W 17 1/2" H 38 1/2" (cut-off pos.) H 59 1/4" (vertical position)
Band Saw Blades	1/2" x .025" x 73"
Coolant Pump:	1 Gal. Capacity—H-9 1/4" L-12" (305mm), W-6" Wt.- 6 lbs.

Wet cutting models only

ABRASIVE CUT-OFF SAWS

Fast and Accurate Abrasive Cutting

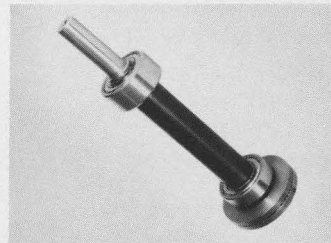


Model Shown
4035

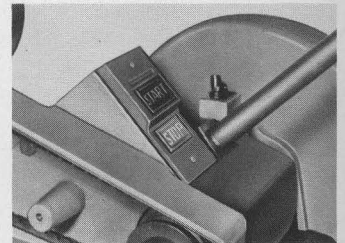
Wilton's line of abrasive cut-off saws feature continuous power 2 and 3 H.P. models. They're more versatile than ever to handle any size or shape stock in your shop.

Designed to take full advantage of fast-cutting abrasive wheels, the 10" saw has a peripheral capacity of 2½" diameter pipe and solid steel cutting capacity of 1¼"

The main spindle arbor is 1¼" hardened steel with single and double row ball bearing support to insure operation and a true cut. Standard vise has 2¼" x 4" capacity and is adjustable to 45°



Main spindle arbor is 1¼" steel, hardened throughout with single row and a double row ball bearing providing smooth operation — even with 3 HP motor.



Exhaust vent directs abrasive and metal dusts away from the operator and work area.

ORDERING INFORMATION

Catalog Number	DC Number	Description
4035	38218	10" Abrasive Cut-Off Saw, Floor Model; 2HP, 3-phase, 220/440 volt, T.E.F.C. motor with manual controls
4007	38228	10" Abrasive Cut-Off Saw, Floor Model; 3HP, 1-phase, 220 volt, T.E.F.C. motor. Manual controls with overload protection.
4008	38238	10" Abrasive Cut-Off Saw, Floor Model; 3HP, 3-phase, 220/440 volt T.E.F.C. motor. Manual controls with overload protection.

SPECIFICATIONS

Machine Dimensions:
 Floor Models H 53"; L 41"; W 22"
Wheel Dimensions: ¾" arbor
Recommended hp: 2 or 3 hp
Spindle Speeds rpm: 4600 RPM
Motor Speeds, rpm: 3450
Vise Jaw Capacity: 2½" x 4"
Cutting Capacity: —1¼" steel solids
 —2½" pipe
Shipping Weight: 185 lbs.

Abrasive Wheels not included with machine.

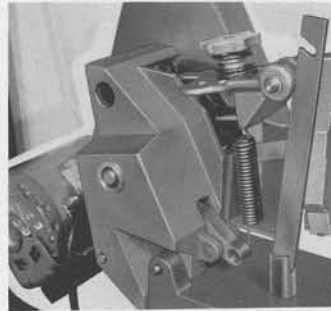
Catalog Number	DC Number	Description
911263	38854	For Bar Stock and Ferrous Metals — Reinforced

5½" x 5½" POWER HACK SAW

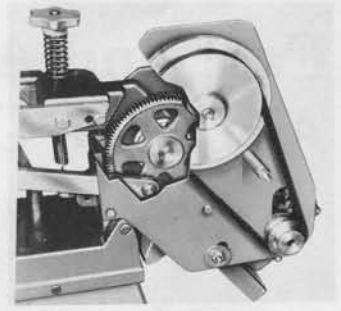
A Solid Investment in a Specialty Machine

Quality construction all the way through makes this Wilton power hack saw a good buy for any shop. The Wilton hack saw features, as standard equipment, advantages listed as extras on other saws: two speeds, 64, 90 SPM, fully enclosed, gear drive train, sturdy vise, steel base. A variable mechanism which relieves blade pressure on backstroke is standard. Power is transmitted through a single gear reduction drive train and a 2-speed pulley using a wedge belt. Machine stops automatically on completion of cut or can be stopped anytime with the hand switch.

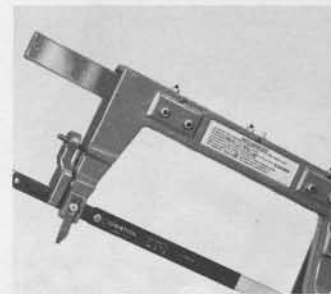
Fully capable of handling even the toughest metals, you can depend upon this low cost Wilton saw to deliver long dependable performance.



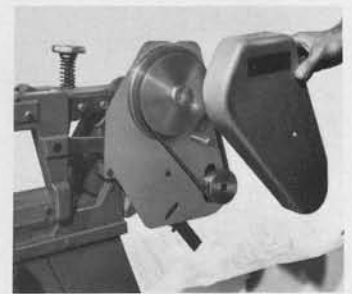
Mechanical in-feed uniform blade contact on the cutting stroke, and lifts blade on return stroke.



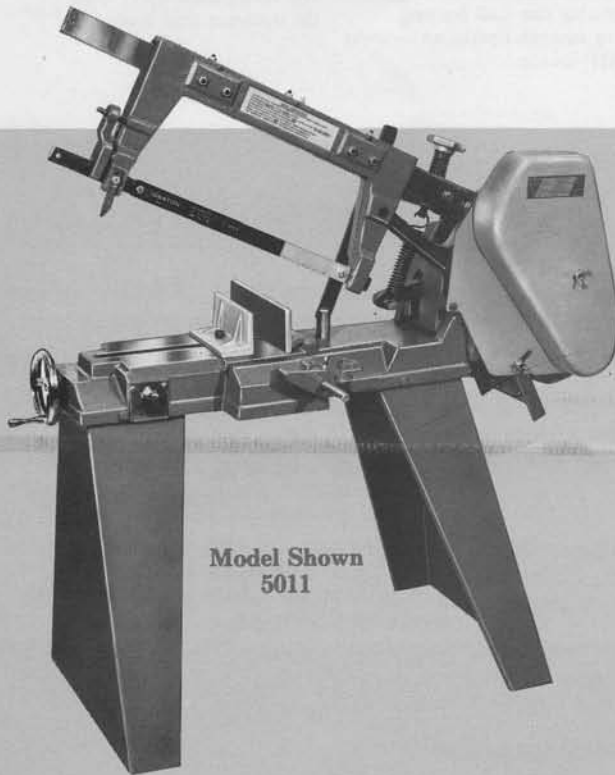
Single gear reduction drive train and a 2-speed pulley using a wedge belt transmits power smoothly.



Yoke is fitted with adjustable brass gib plates for smooth, accurate operation. Grease fitting makes internal lubrication fast and easy.



Choice of two speeds—64, 90 SPM lets you match operation to material cutting needs. Pulley guard removes easily to make quick speed changes.



Model Shown
5011

Accessories

Catalog Number	DC Number	Description
555014	39760	Manual starter switch with low voltage protection.
910636	37982	Blade—1" x .050" x 14", 14 teeth per inch.

ORDERING INFORMATION

Catalog Number	DC Number	Description
MECHANICAL FEED		
5011	39500	Power Hack Saw—Floor Model. 5½" x 5½" capacity. 1/3 hp, single phase 115 volt motor and switch.

SPECIFICATIONS

Capacity under blade: 5½" x 5½" — cross section
3½" at 45° angle
3½" solids

Blade: 1" x .050" x 14"
14 teeth per inch

Speeds: (2) 64, 90 strokes per min.

Motor: 1/3 hp — 1725 rpm

Drive: Single gear reduction, ¼" gear face

Dimensions: L41"
H34½"
W14"

Shipping weight: 180 lbs.



FINISHING

WILTON SQUARE



with optional
Dust Collector System

One machine does it all!
You can go all the way from snagging and grinding to polishing and buffing simply by rotating the square wheel platen to the right surface. Save yourself time and money with the versatility of six different grinding surfaces.

Model Shown

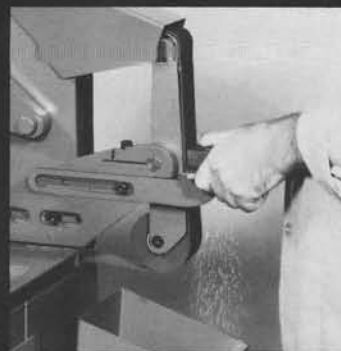
4103

Square Wheel Grinder shown with optional floor stand & dust collection system

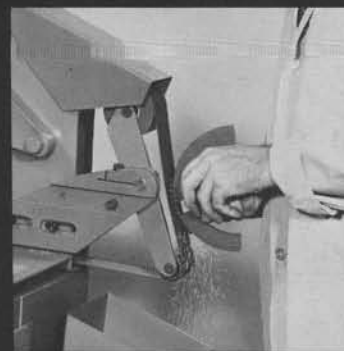
1. Roughing



2. Flat and Angular Work



3. Shaping



ORDERING INFORMATION

Catalog Number	DC Number	Description
4103	38303	Square Wheel Grinder, 2" x 72" Bench model Belt. 1 HP, 1 phase, 115/230V TEFC motor, Belt speed of 4600 SFPM, 1½", 3" and 8" Contact Wheel Diameters. Weight 115-125 lbs.
4107	38307	Square Wheel Grinder, 4" x 72" Bench model Belt. 3 HP, 3 phase, 230/460V TEFC motor with magnetic switch. Belt speeds of 4600 SFPM, 1½", 3" and 8" Contact Wheel Diameters. Weight 185 lbs.
4108	38308	Same as 4107 except with 5 HP, 3 phase, 230/460V TEFC motor.

Changes over in Seconds!



Release belt tension and loosen Allen bolt.
Rotate Square Wheel to desired surface.
Tighten Allen bolt and tension belt.

Abrasives Belts Aluminum Oxide, Resin Bond Cloth Belts

	2" x 72" Belt Size		4" x 72" Belt Size	
	Catalog Number	DC Number	Catalog Number	DC Number
36 Grit	911280	38871	911284	38875
50 Grit	911281	38872	911285	38876
80 Grit	911282	38873	911286	38877
120 Grit	911283	38874	911287	38878

For floor stand, see accessories section.

Patent No. 3267619

Also patented in foreign countries

WHEEL BELT GRINDER

1. Roughing — Serrated contact wheel is used for removing heavy stock, cleaning up a weld or snagging a casting. This durable 8-inch diameter wheel is used extensively for hollow grinding and profiling knives and other culinary tools.

2. Flat and angular work — Platen setting is the perfect angle for high speed, precision, flat and level grinding of tools, knives, plastics and other materials. The calibrated platen allows very close tolerances. Adjustable work rest and protractor type angle indicator is standard on model 4103.

3. Shaping — For grinding and finishing cylindrical shapes. The yoke surface conforms to the shape of the surface to produce an even, smooth finish without danger of scarring. Excellent for tool post applications.

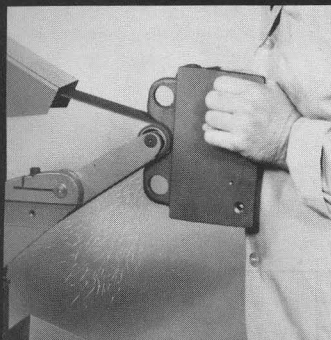
4. Contouring — Grind difficult hard to reach areas with the 3" or 1½" diameter contact wheel. Contours and shapes unique parts like propellers and metal furniture. Dead head assembly available for even smaller radius grinding.

5. Internal Contouring — (with accessory) The air cushioned dead head is for use in very small radius grinding. When connected to a source of shop air (80-90 PSI), the belt rides on a cushion of air to decrease heat and belt wear. The dead head is easy to use, and adapts to any of the available radius tips.

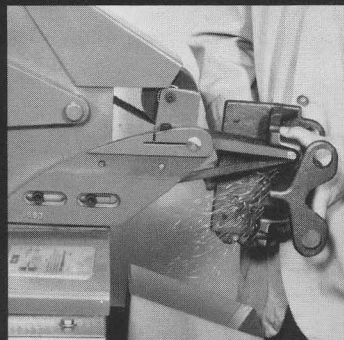
6. Finishing — (with accessory) The buffing pad wheel is perfect for satin finish or high gloss polishing. The fine, close stitched buffing pads are ideal for metal and plastic.

The nylon reinforced silicone carbide wheel is perfect for polishing and deburring. It puts a high lustre finish on the roughest surfaces and is excellent for steel, iron or aluminum.

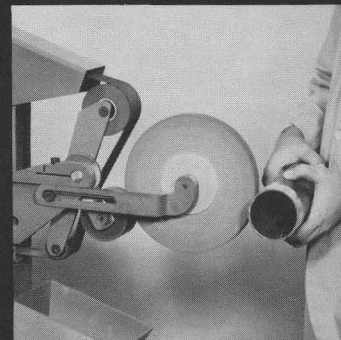
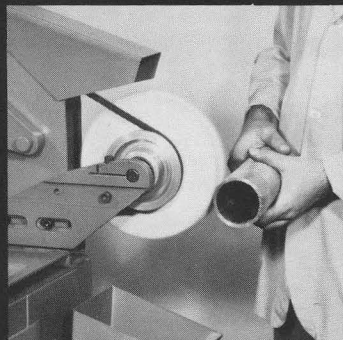
4. Contouring



5. Internal Contouring



6. Finishing



ACCESSORIES

Catalog Number	DC Number	Description
554115	39315	Complete Dust Collecting System - includes Dust Scoop Kit; ½ HP, 1 phase, 115/230V, TEFC motor, switch and cord; 3" x 5' PVC hose, two 3" clamps; 11 sq. ft. Dust Bag. 50 lbs. Customer to furnish any 30 gallon drum, 504974 Floor Stand required.
505768	39233	Dust Scoop Kit - for use with customers own dust collecting system. Includes one 3" hose adapter. 4 lbs.
504974	38439	Floor stand for use with or without dust collecting system. 34" H x 18½" W x 24" D. 85 lbs.
504430	38105	Buffing Pad and Wheel. This accessory is ideal for satin finish or high gloss polishing. It's a fine, close stitched buffing pad that is perfect for metal and plastic. Fits 2" Models only. (Refer to Fig. 6 above.)
504496	38171	Air Cushioned Dead Head. Attachment for small radius and diameter grinding utilizing shop air. Fits 2" Models only. Includes ¾" radius tip. (Refer to Fig. 5 above.)
		Available Radius Tips 3/16"-504499, 1/4"-504501, 5/16"-504503, 3/8"-504505
504511	38186	Nylon Polishing Wheel. Polishing and deburring attachment using a nylon reinforced wheel impregnated with silicone carbide. Fits 2" Models only. (Refer to Fig. 6 above.)
504544	38219	10" Contact Wheel Assembly. Attachment to large internal radius grinding and snagging. Fits 2" Models only; must use 75" belt.



COMBINATION BELT AND

Surface, Finish,
Polish, Clean—
all with one
machine

Our combination belt/disc finishing machine will handle virtually all the finishing operations in your shop. It combines into one compact unit all the versatility of a 6" abrasive belt machine and all the precision of a 12" disc machine.

A powerful 1½ HP motor provides optimum speeds of 2400 RPM for disc finishing and 3260 SFPM for belt finishing. These speeds are ideal for working in metal, wood, plastic, compositions, leather and more.

Use the abrasive belt for sanding and general purposes, and the disc for precision deburring, chamfering or grinding. A deluxe miter gauge is standard equipment.

With all its capability this coated abrasive finishing machine will fit right into your production line, metal or wood pattern shop, machine shop, cabinet or school shop.



Model Shown
4200
with optional dust collector
and hose kit

6" Abrasive Belt Finisher

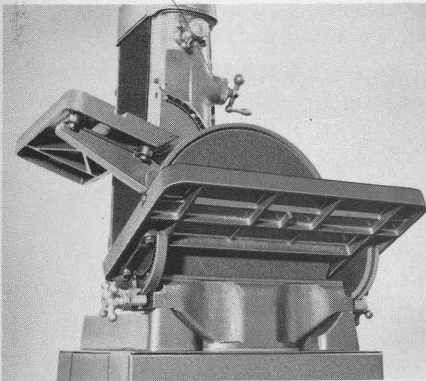
- Variable-position locks—adjust vertically, horizontally and in between
- Adjustable dust deflector and dust spout
- Guarded drums and belt
- Adjustable and removable platen
- Removable upper guard for contour finishing
- Ribbed table and solid table support

12" Abrasive Disc Finisher

- Fully machined disc—runs vibration free—guarantees positive adhesion of discs
- Shaft-Mounted disc for power and accuracy
- Ribbed table and solid table support

DISC FINISHING MACHINE

Advanced Features . . .



Solid Work Tables

The work tables of the belt and disc finisher are ribbed for strength, precision ground and slotted for miter gauge. Two pivoting table arms support the disc work table. A single heavy-duty arm provides rigid support for the belt work table.

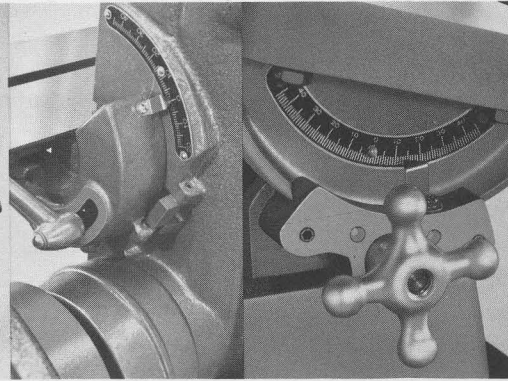


Table Tilt Scales

The Belt/Disc Machine is equipped with easy-to-read table tilt scales. Both tables adjust fully from 45° out to 20° in and the scales indicate the exact position. Quick stop links on the belt work table give you high speed access to 45° and 90° positions for repetitive work.



Easy Tracking Adjustment

Rotating the threaded knob on the belt guard star wheel accurately tracks the belt for finishing operations. The star wheel locks the idler drum into its correct tracking position.

ORDERING INFORMATION SPECIFICATIONS

Catalog Number	DC Number	Description
4200	38500	6" belt/12" disc finishing machine miter guage, floor model, 1½ HP, single phase, TEFC motor, 115/230 volt (connected 230V) and push button switch. 282 lbs.
4202	39502	Same as 4200 except 1½ HP, 3 phase, TEFC motor, 230V. 276 lbs.
4203	38503	Same as 4200 except 1½ HP, 3 phase, TEFC motor, 230/460V (connected 230V) with magnetic starter and 24V at push button switch. 274 lbs.
4204	38504	Same as 4200 except 1½ HP, 3 phase, TEFC motor, 230/460V (connected 460V) full JIC, 24V at push button switch. 308 lbs

BELT MACHINE:

Table Size	7 ³ / ₈ " x 14 ³ / ₄ "
Table Tilt	45° Out, 20° In
Miter Gauge Groove	3 ³ / ₈ " x 3 ³ / ₄ "
Platen	6 ¹ / ₄ " x 14 ³ / ₄ "
Belt Size	6" x 48"
Belt Speed	2400 RPM

DISC MACHINE:

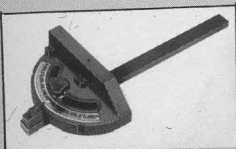
Table Size	10" x 16 ³ / ₈ "
Table Tilt	45° Out, 20° In
Miter Gauge Groove	3 ³ / ₈ " x 3 ³ / ₄ "
Disc	12" Diameter
Disc Speed	2400 RPM

OVERALL DIMENSIONS OF MACHINE WITH STAND:

In Vertical Position:	Front to Rear - 19"
	W-25 ¹ / ₂ " H-57 ¹ / ₂ "
In Horizontal Position:	Front to Rear - 29"
	W-24 ¹ / ₂ " H-42 ³ / ₄ "

Miter Gauge

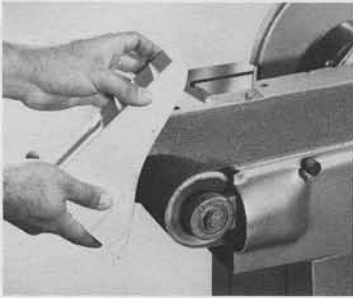
A high quality, die-cast aluminum miter guage is standard. It has pivoting work support, body with pointer and calibrations through 120°. Designed for precision work.



Belt and Disc Finishing Machine

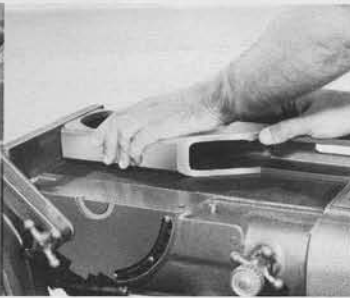
Simplify All Your Finishing Needs

Contour Finishing



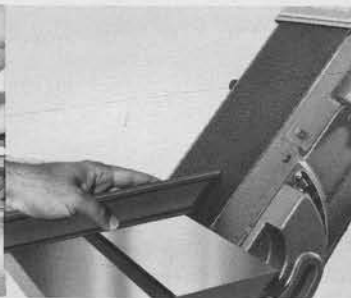
The belt finisher operates vertically, horizontally or at any angle in between. Mitering is quick, simple and accurate by setting the work support table in level position as shown.

Flat Finishing



Remove the upper belt guard to expose the finishing surface on the idler drum. Fast and easy.

Mitering



With head tilted horizontally, hook up the back stop accessory and fast finishing of flat stock is easy. Back stop prevents work from moving with the belt.

Precision Finishing



Finishing operations are virtually unlimited with the disc finisher. Precision deburring, precision chamfering and grinding are all performed on the machine's abrasive disc.

ORDERING INFORMATION

Accessories

Catalog Number	DC Number	Description
505210	38710	Dust collector less drum —For cleaner, safer work area, a high quality dust collector constructed of steel and cast aluminum is available. This self-contained unit includes five feet of hose and filter bag for use with your drum. Offered in 115/230VAC only, the unit features quiet, continuous duty TEFC motor with permanently lubricated ball bearings, self-cleaning radial blade.
505228	38693	Backstop assembly —a stop for flat work on the belt. Allows flat belt finishing, prevents the workpiece from moving with the belt. Weight—4 lbs.
505229	38694	Wood fence assembly —Provides support for narrow workpiece or edge finishing on your belt unit. Weight—6 lbs.
505237	38702	Hose kit for disc dust collection —consists of cast funnel attachment, hose adaptor, 5 feet of high temperature hose, "Y" connector, and two hose clamps. Weight—10¼ lbs.

Dust Collector Specifications			
Motor Horsepower	½	dBA @ 5'	78
Maximum CFM	450	Hose Size	3" x 60"
Maximum SP	7 lbs.	Drum Size*	30 gal.
Maximum Hose Velocity	9000 FPM	Ship Weight	50 lbs.
Bag Area	10.6 Sq. Ft.		

*Not included, user must furnish drum.

This machine includes a high quality 80 grit aluminum oxide abrasive belt and 50 grit aluminum oxide abrasive disc from a leading U.S. manufacturer. We suggest that you order replacement belts and discs from your Wilton distributor.

BENCH GRINDERS

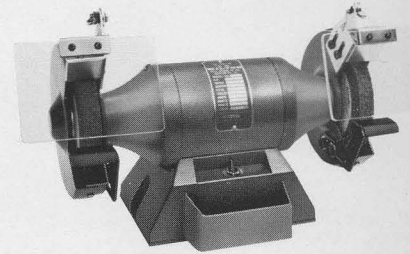
Wilton bench grinders are designed for the professional mechanic. Extended frame models utilize a tapered body design which allows greater accessibility to the side and front of the wheels. This makes grinding of long or odd shaped pieces possible without interference from the motor housing. When the wheels become worn, the body design acts to the operator's benefit.

Standard features *36 and 60 Grit Grinding Wheels *Fully Adjustable Steel Tool Rests *Plexiglass Safety Eyeshields *Full Guard Covers *Vented Wheel Guards *Spark Breakers *Built-in Water Pots.

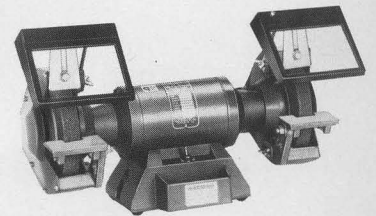
The motors are fully enclosed, splash-proof and dust-proof. Lifetime lubricated motor shafts are mounted on precision ball bearings for smooth and quiet operation. 1/2, 3/4 and 1 HP feature capacitor start motors.

Available in 1/3, 1/2, 3/4 and 1 horsepower models, the grinding wheels' diameters measure 6", 7", 8", and 10" respectively. All models meet OSHA safety standards. All models except Challenger series carry approval from UL and CSA.

Model 152 and 153
6" Wheel 1/3 HP



Model 154 and 160
7" Wheel 1/2 HP

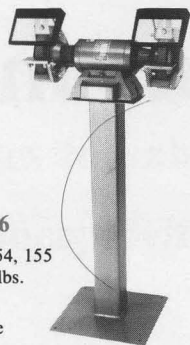


PEDESTAL BASES

Matching bases are stable and provide portable or permanent installation. Convenient height.

MODEL 156

For Models 152A, 154, 155
Shipping Wt. 36 lbs.
34" H
14 1/2" x 14 1/2" Base



MODEL 159

For Models 157 and 158
Shipping Wt. 54 lbs.
34" H
18" x 18" Base



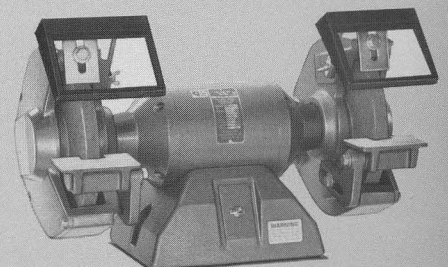
Model 155 7" Wheel
1/2 HP—Extended Frame
Illuminated Eyeshields



Model 157 8" Wheel
3/4 HP—Extended Frame



Model 158 10" Wheel
1 HP—Extended Frame



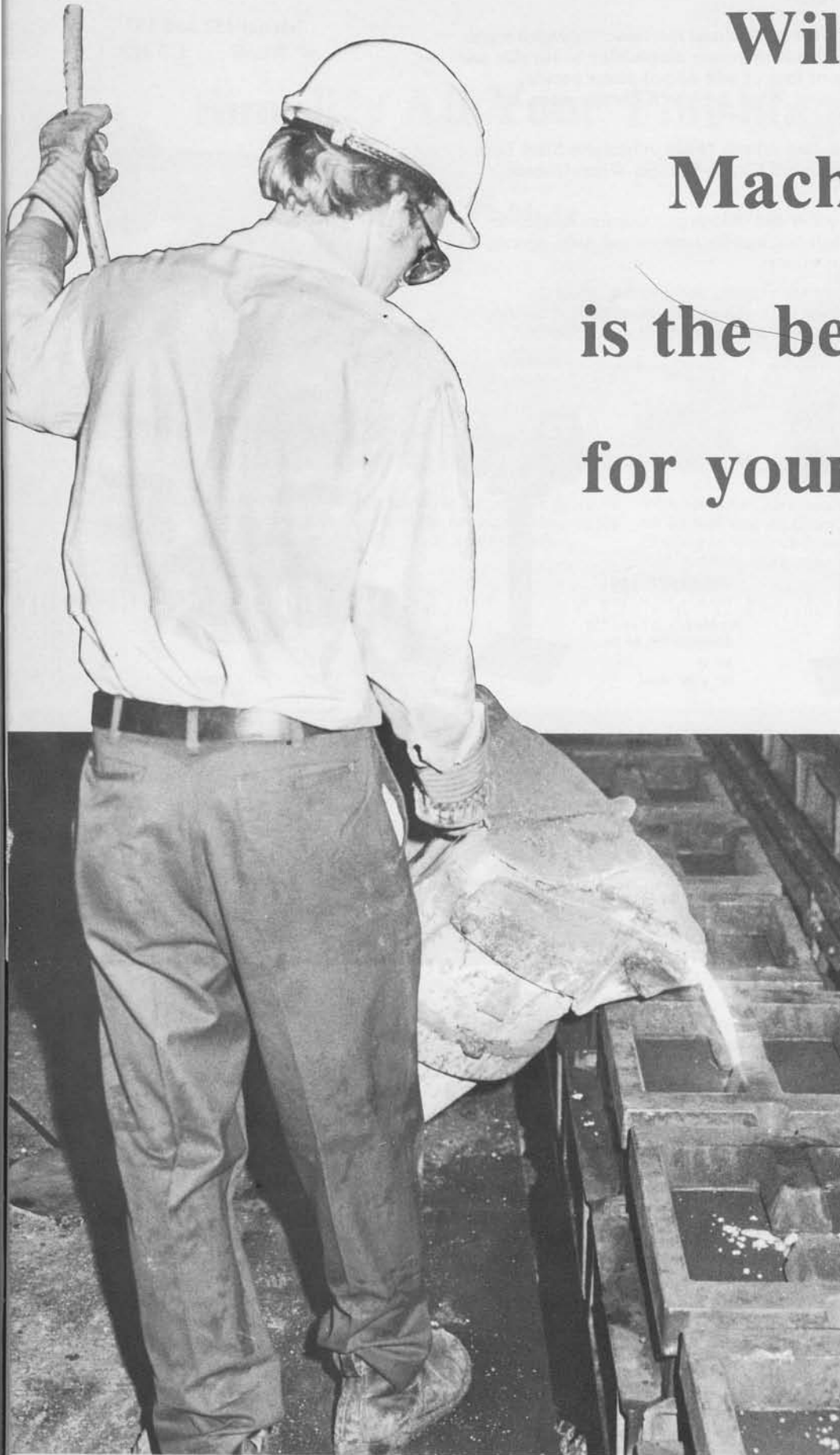
ORDERING INFORMATION

Cat. No.	DC Number	Type	Wheel Dim.			Dist. Between Wheels	No Load R.P.M.	AC Voltage Motor H.P.	1-Phase Motor	Shpg. Overall Weight		
			Dia.	Arbor	Face					L	H	lbs.
152A	19002	Medium Service Duty	6"	1/2"	3/4"	12 1/2"	3450	1/3	115V	17	9 1/2"	29
154	19004	Heavy Service Duty	7"	5/8"	1"	15 1/2"	3450	1/2	115V	19 3/4"	9 3/4"	41
155	19005	Heavy Service Duty	7"	5/8"	1"	15 1/2"	3450	1/2	115V	19 3/4"	9 3/4"	41
157	19007	Heavy Service Duty	8"	3/4"	1"	17"	3450	3/4	115V	20 1/4"	11 3/4"	56
158	19008	Heavy Service Duty	10"	3/4"	1"	19"	1725	1	15V/230	23"	13 1/2"	89
156	19006	Pedestal Base for models 152, 154, 155										36
159	19009	Pedestal Base for models 157, 158										54
Challenger Series												
153	19003	Medium Service Duty	6"	1/2"	3/4"	12 1/2"	3450	1/3	115V	16 3/8"	9 1/4"	32
160	19010	Heavy Service Duty	7"	5/8"	1"	15 1/2"	3450	1/2	115V	19 1/2"	10 3/4"	44

Wilton

Machinery

**is the best value
for your money.**

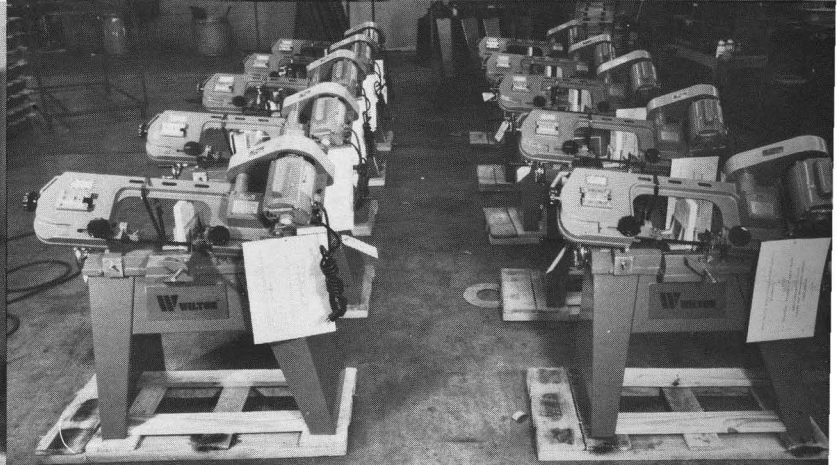
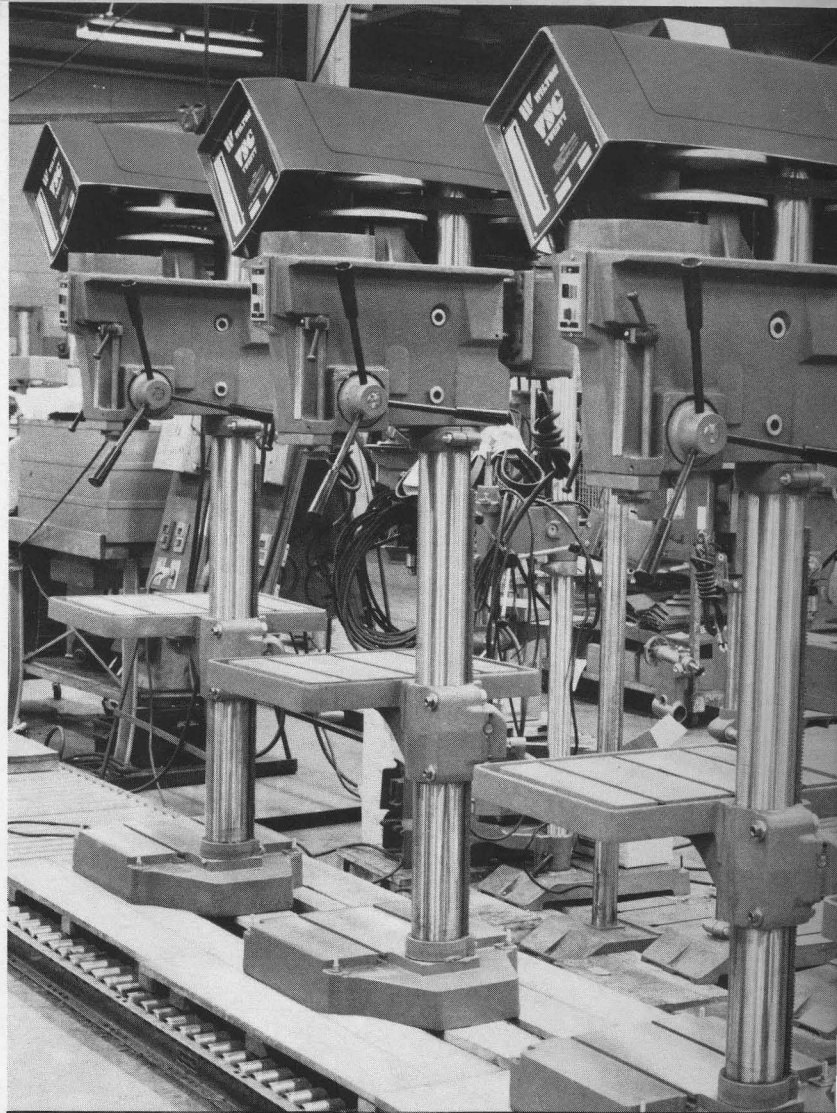


Compare Wilton Machinery with other comparable equipment and you'll find it is competitively priced.

What separates Wilton from its competition is the value built into our leadership machines. We design more special features, more capability, more quality into our equipment and yet maintain competitive prices.

If you're in the market for sawing, drilling or finishing equipment, compare Wilton for quality, performance and price. You'll agree that Wilton gives you more.

**When it comes to value,
Wilton Machinery delivers.**





WILTON CORPORATION
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Des Plaines, IL 60018

Effective February 1, 1984
WILTON CORPORATION
300 So. Hicks Road
Palatine, IL 60067

SALES OFFICES

Des Plaines, IL: (312) 827-7700

Chicago Phone: (312) 694-4440

Los Angeles: (213) 968-9344



our New location February 1, 1984

FACTORIES

Schiller Park, Illinois

Winchester, Tennessee



Plant at Schiller Park, IL

FOUNDRY

Pontotoc, Mississippi



Plant at Winchester, TN

Important notice to purchasers

All Wilton products are guaranteed. These guarantees are limited and provisional, and in all cases dependent upon proper product usage. Specific guarantee details depend upon the construction of each product line and its intended use by the purchaser. In any case, warranty is limited to the repair or replacement, at our option, parts or product F.O.B. factory. A copy of each product guarantee may be procured by writing our Des Plaines, Illinois general office.

Neither the manufacturer or distributor shall be liable for any injury or damage out of the use or suitability of this product. It is up to the user to determine suitability and safety of the product for his intended use, and the user assumes all risks and liability herewith. All specifications are subject to change without notice.