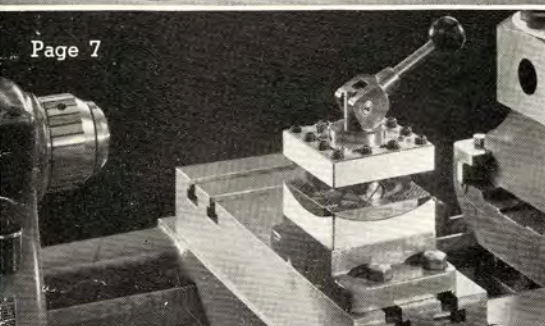
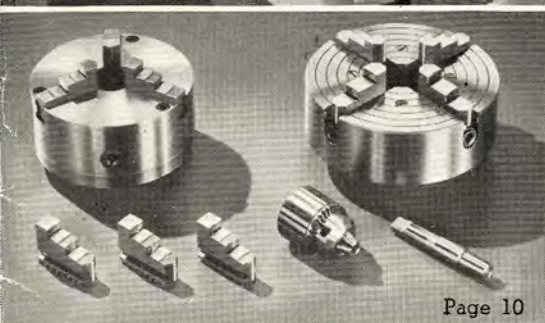


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EXTRAS

(Attachments and Accessories)

FOR

SOUTH BEND LATHES



Extras are attachments and accessories which may be fitted to the lathe for doing many classes of work. Most of the extras may be ordered either with the lathe or later.

Extras are listed on pages 2 to 14 of this catalog, and each item is clearly identified as being either a "Standard Extra" or a "Purchased Extra".

Standard Extras

Standard Extras, with the exception of motors and controls, are items manufactured by us for use on South Bend Lathes. They are sold only for use with South Bend Lathes, and orders must identify the lathes on which they are to be used.

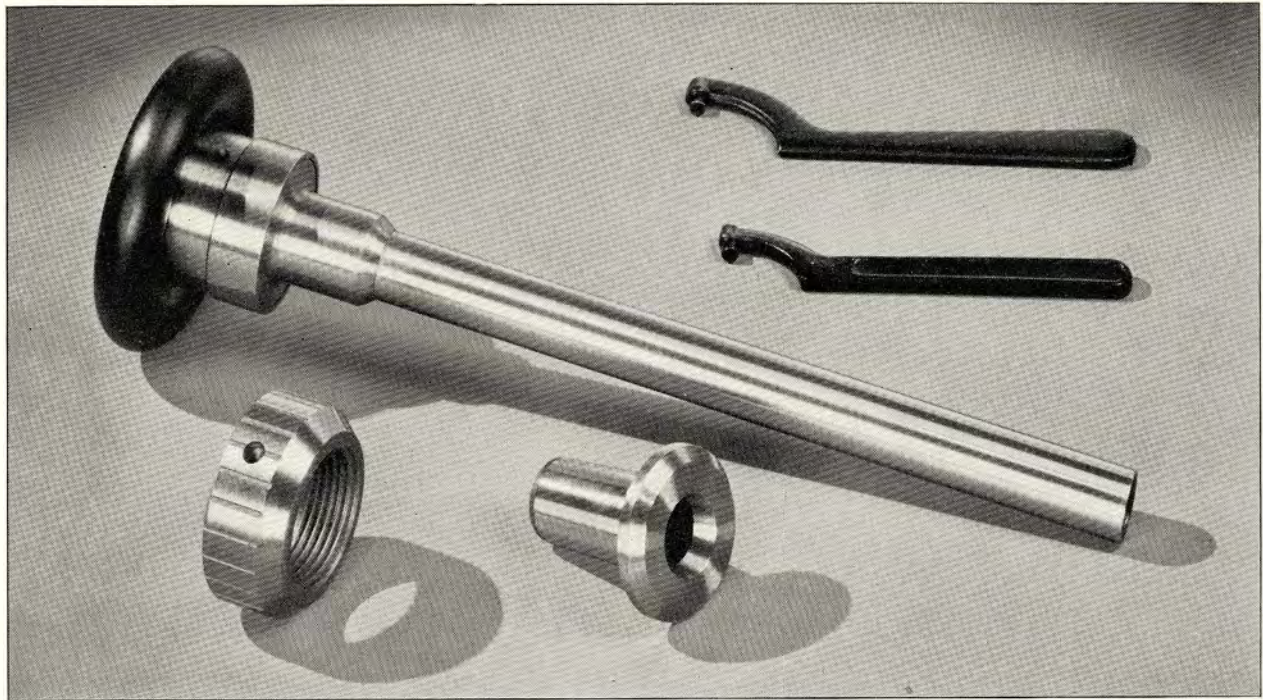
Purchased Extras

Purchased Extras are items we do not manufacture but which we purchase from other manufacturers. On these items we act only as a seller for the convenience of users of South Bend Lathes, and orders must identify the lathes with which they are to be used.

SOUTH BEND LATHE WORKS

Lathe Builders for 35 Years

SOUTH BEND, INDIANA, U.S.A.



Handwheel Type Draw-in Collet Attachment

For Accurately Chucking Small Diameter Work

Standard Extra

The draw-in collet chuck is the most accurate of all types of chucks and is used for precision work, such as making small tools and manufacturing small parts for watches, typewriters, radios, etc. Collets for round work are listed below. Collets are made to order for square, hexagonal, and other shapes.

The price of the Handwheel Draw-in Collet Attachment includes handwheel and hollow draw-bar, spindle nose cap, spanner wrenches for draw-bar and nose

cap, and tapered steel closing sleeve. Collets are not included in price of draw-in collet attachment, but are extra as listed below.

Handwheel Draw-in Collet Attachment

Catalog Number	Size of Lathe	Hole in Lathe Spindle	Collet Capacity in Sixty-fourths (for Round Work)	Code Word
4306-W	9" and Series 900	$\frac{3}{4}$ in.	$\frac{1}{16}$ in. up to $\frac{1}{2}$ in.	Acrot
4310	10" Regular	1 in.	$\frac{1}{16}$ in. up to $\frac{11}{16}$ in.	Cibah
4312	10"—1" Col. and Series 1000	$1\frac{1}{8}$ in.	$\frac{1}{16}$ in. up to 1 in.	Cihak
4313	13"	1 in.	$\frac{1}{16}$ in. up to $1\frac{1}{16}$ in.	About
4314	14 $\frac{1}{2}$ "	$1\frac{1}{8}$ in.	$\frac{1}{16}$ in. up to $\frac{3}{4}$ in.	Cilam
4316	16" and No. 2-H	$1\frac{1}{8}$ in.	$\frac{1}{16}$ in. up to 1 in.	Adore

Collets for Handwheel and Handlever Collet Attachments

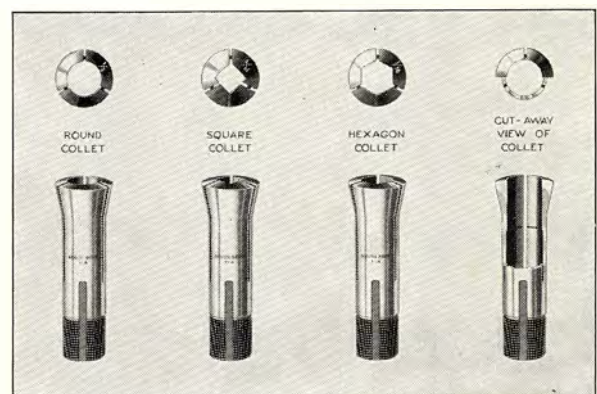
Purchased Extras

Collets are for use with either the handwheel type or the handlever type draw-in collet chuck attachment. Collets are made of tool steel, properly hardened and tempered. They are ground both outside and inside to insure accuracy.

Collets with Standard Hole Sizes for Round Work

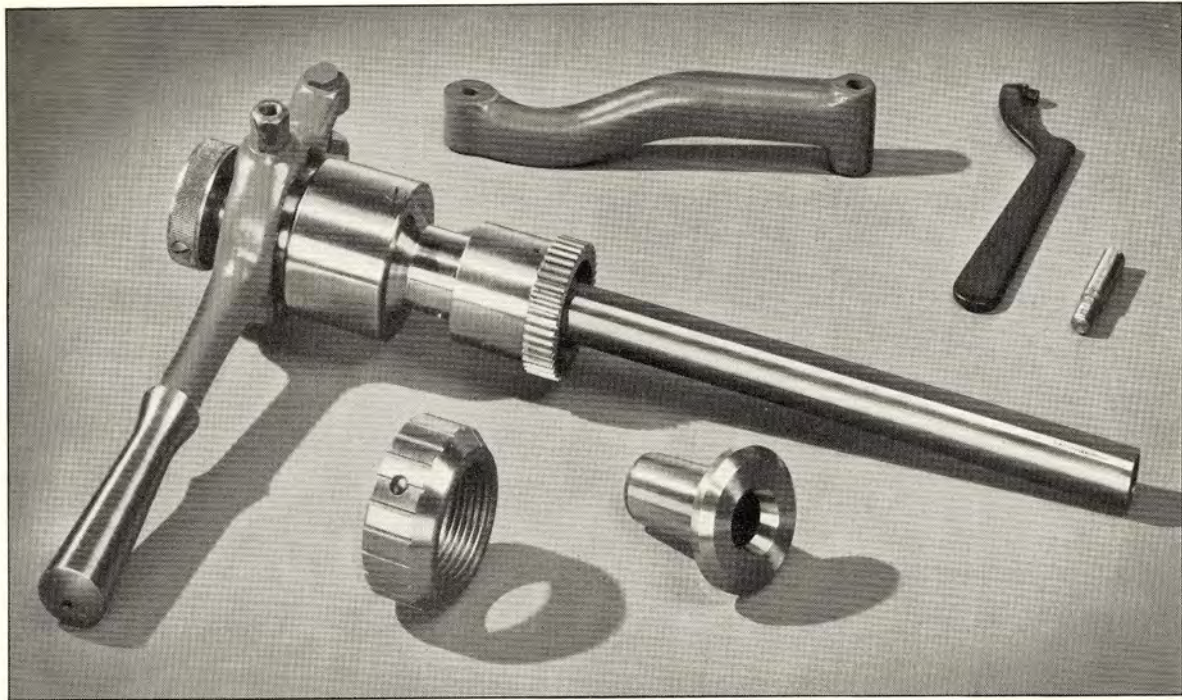
Catalog Number	Size of Lathe	Hole in Spindle	Collet Capacity in Sixty-fourths	Code Word
609-W	9 in. and 900	$\frac{3}{4}$ in.	$\frac{1}{16}$ in. up to $\frac{1}{2}$ in.	Catra
1721	10 in. Regular	1 in.	$\frac{1}{16}$ in. up to $\frac{11}{16}$ in.	Cagin
1722	10 in. 1" Collet and 1000	$1\frac{1}{8}$ in.	$\frac{1}{16}$ in. up to 1 in.	Cagot
613	13 in.	1 in.	$\frac{1}{16}$ in. up to $1\frac{1}{16}$ in.	Chose
1713	14 $\frac{1}{2}$ in.	$1\frac{1}{8}$ in.	$\frac{1}{16}$ in. up to $\frac{3}{4}$ in.	Cepas
616	16 in. and No. 2-H	$1\frac{1}{8}$ in.	$\frac{1}{16}$ in. up to 1 in.	Clear

Special Collets for odd diameter round work measured in thousandths of an inch or in millimeters, collets for diameters smaller than $\frac{1}{16}$ " , collets for square, hexagon or other shapes, step chucks and closers, can be supplied to order. Information and prices on request.



Standard and Special Collets for Holding Various Shapes of Stock

SOUTH BEND LATHE WORKS



Handler lever Draw-in Collet Attachment

For the Rapid Production of Duplicate Parts

Standard Extra

The Handler Type Draw-in Collet Attachment permits releasing and feeding bar stock through the collet, without stopping the lathe. The gripping action of the collet can be set to any desired tension by adjusting the cylinder of the adjustable chuck closer.

The rapid production and accuracy of the Handler lever Draw-in Collet Attachment make it an economical tool for manufacturing small parts to close tolerances.

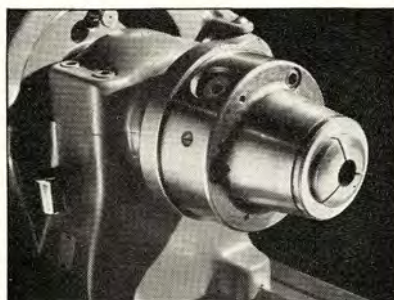
The price of the Handler lever Draw-in Collet Attachment includes adjustable chuck closing mechanism and hollow draw-bar, spindle nose cap, spanner wrench for nose cap, and tapered steel closing sleeve.

Collets are not included in the price of the draw-in collet chuck attachment but are extra, as listed on page 2.

This attachment should be ordered with the lathe so that it can be properly fitted and tested at the factory.

Handler lever Draw-in Collet Attachment

Catalog Number	Size of Lathe	Hole in Lathe Spindle	Collet Capacity in Sixty-fourths (for Round Work)	Code Word
S206-W	9 in. and 900	$\frac{3}{4}$ in.	$\frac{1}{16}$ in. up to $\frac{1}{2}$ in.	Abpat
S210	10 in. Regular	1 in.	$\frac{1}{16}$ in. up to $\frac{11}{16}$ in.	Cahew
S219	10 in. 1" Collet and 1000	$1\frac{3}{8}$ in.	$\frac{1}{16}$ in. up to 1 in.	Cahum
S213	13 in.	1 in.	$\frac{1}{16}$ in. up to $\frac{11}{16}$ in.	Andes
S214	14 $\frac{1}{2}$ in.	$1\frac{1}{8}$ in.	$\frac{1}{16}$ in. up to $\frac{3}{4}$ in.	Ciked
S216	16 in. and No. 2-H	$1\frac{3}{8}$ in.	$\frac{1}{16}$ in. up to 1 in.	Aster



Spindle
Nose
Draw-in
Collet
Attachment

Purchased Extra

With this collet attachment, bar or rod work up to the maximum capacity of the hole through the lathe spindle can be passed through the headstock and collet for machining. The collet chuck screws onto the spindle nose of the lathe, and collets are opened and closed by a pinion wrench. No drawbar is required. Information and prices on request.

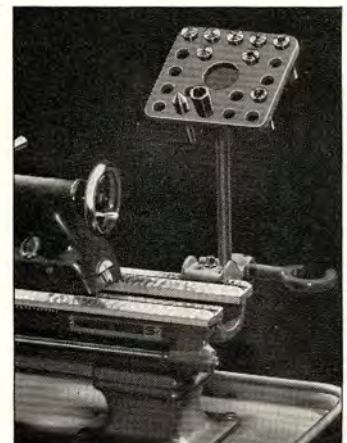
SOUTH BEND, INDIANA, U.S.A.

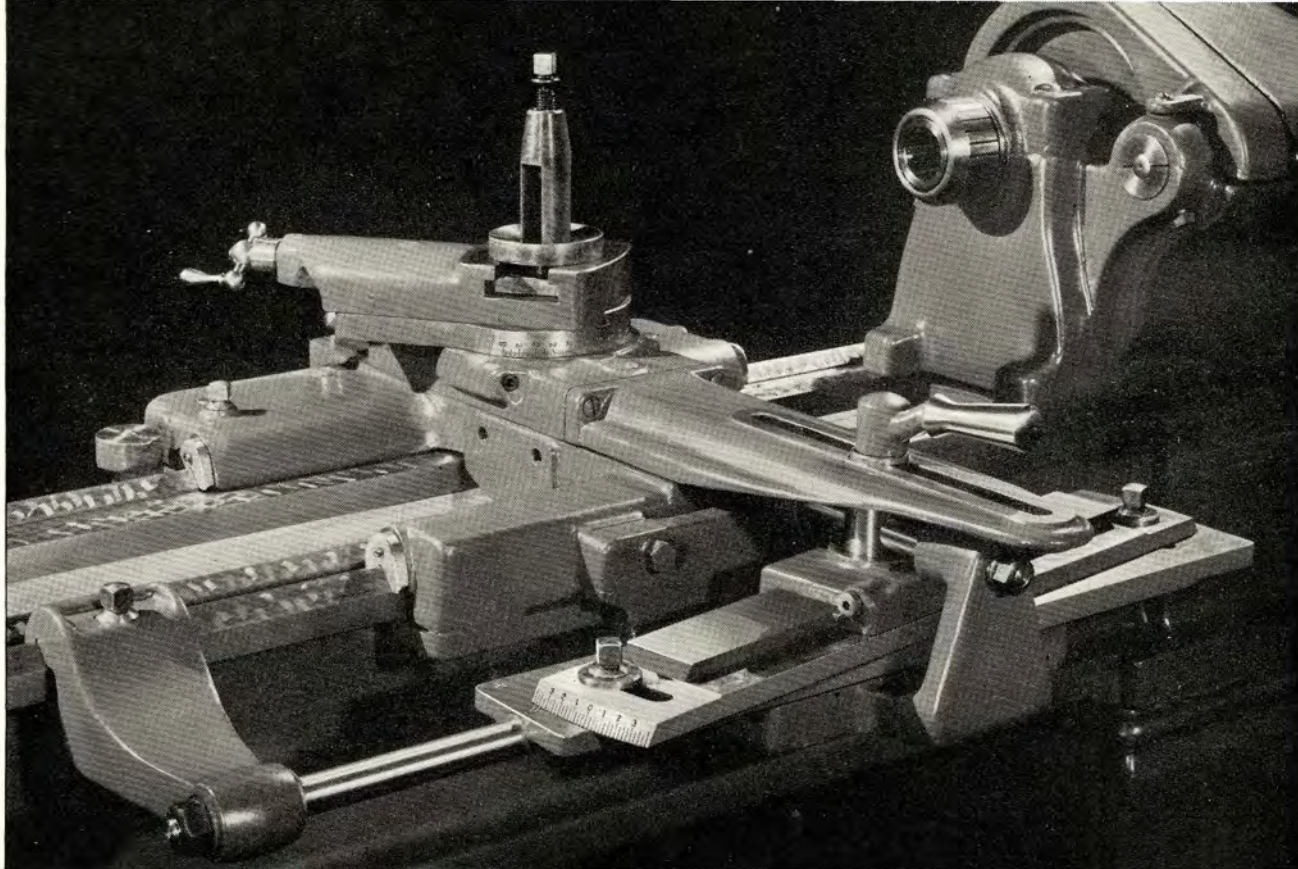
Collet Rack for South Bend Lathes

Standard Extra

This collet rack provides a suitable place for keeping collets, centers, spindle sleeve and draw-bar. Clamp for attaching to back V-way of lathe bed is supplied. Price does not include collets.

Catalog Number	Size of Lathe	Code Word
1770-W	9 in. & 900	Rahah
1752	10" Regular	Rawik
1753	10"-1" Collet & 1000	Razuk
1772	13 in.	Rajem
1791	14 $\frac{1}{2}$ in.	Rakaw
1774	16" & No. 2-H	Rajuc





Telescopic Taper Attachment

For 10-inch and Larger South Bend Lathes

Standard Extra

Taper turning and boring are as easily accomplished as straight turning on lathes equipped with the South Bend Telescopic Taper Attachment.

The taper attachment swivel bar is graduated in degrees on one end and in taper per foot on the other end. A telescopic cross-feed screw eliminates the necessity of disconnecting the cross-feed nut when the tapers are machined. The cross-feed screw may be used to adjust the lathe tool for the required diameter. When the binding lever is tightened, the cross slide base is rigidly locked to the taper attachment swivel slide, and the thrust is removed from the cross-feed screw.

The taper attachment is permanently mounted on the lathe carriage and is always ready for use. It

does not in any way interfere with straight turning and boring, and only a few seconds are required to change over from straight to taper work. Accuracy and smooth operation are assured by the practical design and rugged construction of this attachment.

The telescopic taper attachment must be fitted to lathe at factory.

Telescopic Taper Attachment
(Can be Used only on Lathe with Graduated Compound Rest)

Cat. No.	Size of Lathe	Maximum Taper			Approx. Shipping Weight	Code Word
		At One Setting	Per Foot	In Degrees		
1545	10" and Series 1000	8½ in.	3½ in.	16½	40 lbs.	Mekoc
379	13"	9¼ in.	3½ in.	16½	65 lbs.	Mokil
399	14½"	9¼ in.	3½ in.	16½	80 lbs.	Mokux
381	16" and No. 2-H	11½ in.	3½ in.	16½	100 lbs.	Munar

Plain Taper Attachment for 9" and Series 900 Lathes

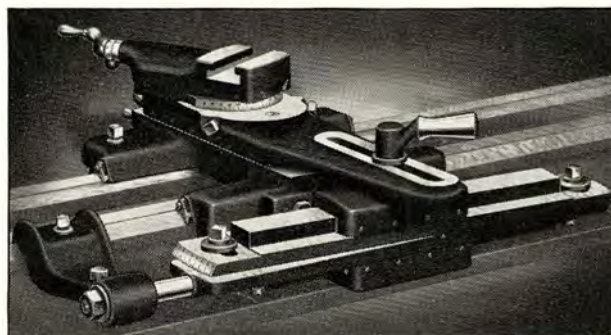
Standard Extra

The plain taper attachment shown at right is supplied for turning and boring all classes of taper work on the 9-inch and Series 900 Lathes. The attachment is bolted to the lathe carriage and can be used in any position along lathe bed. Does not interfere with straight turning.

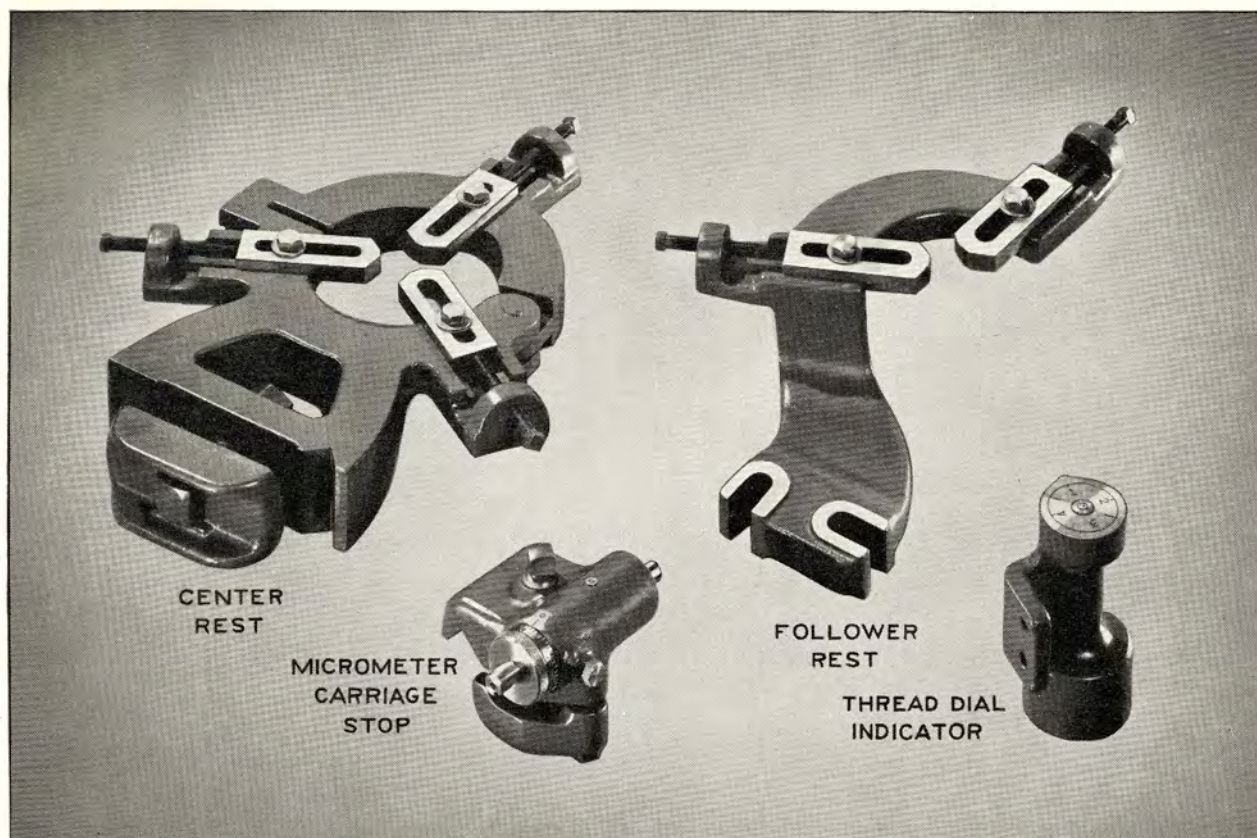
This taper attachment has plain cross-feed screw and straight gibs. The cross-feed screw and nut must be disconnected before the taper attachment can be engaged for taper turning and boring. Telescopic cross-feed screw cannot be supplied.

The swivel bar which controls the taper is graduated and can be set for cutting any taper up to 3½" per foot and up to 7" in length at one setting; maximum taper 16½ degrees, in either direction. Attachment must be fitted to lathe at factory. (Can be used only on lathe with graduated compound rest.)

Cat. No. 428-W. Plain Taper Attachment for 9-inch and Series 900 South Bend Lathes. Weight 35 lbs. Code. "Hapwo".



Plain Taper Attachment for 9-inch and Series 900 South Bend Lathes



Attachments for All Sizes of South Bend Lathes

Center Rest

Standard Extra

The center rest clamps onto the inside ways of the lathe bed and is used for supporting long shafts, boring spindles, etc. The three jaws are adjustable to accommodate various sizes of work, and the top of the center rest is hinged to facilitate inserting and removing shafts.

The jaws are made of cast iron, and if properly lubricated will wear very little. The jaws are machined all over and have adjusting screws and lock screws for setting them in the desired position.

Catalog Number	Size of Lathe	Maximum Capacity	Minimum Capacity	Code Word
125-W	9" and Series 900	3 in.	$\frac{1}{4}$ in.	Cegke
1177	10" and Series 1000	3 in.	$\frac{1}{4}$ in.	Nuzic
341	13"	$3\frac{3}{4}$ in.	$\frac{3}{8}$ in.	Nygas
1174	$14\frac{1}{2}$ "	$4\frac{1}{4}$ in.	$\frac{3}{8}$ in.	Nuzas
720	16" and No. 2-H	$4\frac{3}{4}$ in.	$\frac{3}{8}$ in.	Nyjou

Follower Rest

Standard Extra

The follower rest shown above, is attached to the lathe carriage and travels with the carriage. The follower rest is used to support long, slender shafts while being machined between the lathe centers. Adjusting screws and lock screws are provided for setting the jaws in position.

Slots in bottom of follower rest are used for attaching follower rest to carriage, and permit attaching or removing quickly as it is not necessary to remove the screws from the saddle.

Catalog Number	Size of Lathe	Maximum Capacity	Minimum Capacity	Code Word
34-W	9" and Series 900	2 in.	$\frac{3}{16}$ in.	Cegmo
1353	10" and Series 1000	$2\frac{1}{2}$ in.	$\frac{3}{16}$ in.	Fanus
376	13"	$3\frac{3}{4}$ in.	$\frac{3}{16}$ in.	Fanba
1351	$14\frac{1}{2}$ "	$4\frac{1}{4}$ in.	$\frac{3}{16}$ in.	Felat
730	16" and No. 2-H	$4\frac{3}{4}$ in.	$\frac{3}{16}$ in.	Famuf

Micrometer Carriage Stop

Standard Extra

This attachment is useful for accurate facing, turning, boring, etc. It is used for locating the carriage at any point along lathe bed. Can be used on either side of carriage. Has accurately graduated micrometer collar. The stop is hardened on both ends and may be locked for duplicate work.

Cat. No.	Size Lathe	Code	Cat. No.	Size Lathe	Code
968-W	9" and Series 900	Capys	1502	$14\frac{1}{2}$ "	Ciwot
1518	10" and Series 1000	Cegab	975	16" and No. 2-H	Climb
973	13"	Chain			

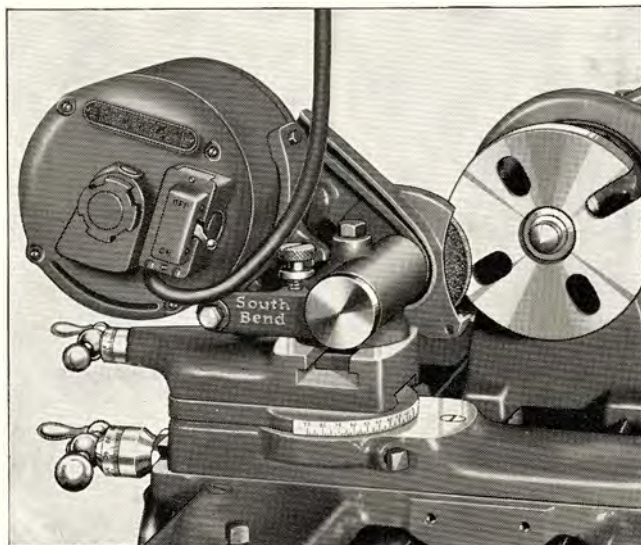
Thread Dial Indicator

Standard Extra

This attachment eliminates the necessity of reversing the lathe spindle when cutting screw threads. The half-nuts may be opened to return the carriage to the starting point of each successive cut. The dial is numbered and graduated to show when to close the half-nuts on the lead screw to catch the thread for the next cut.

Cat. No.	Size Lathe	Code	Cat. No.	Size Lathe	Code
810-W	9" and Series 900	Adnok	814-K	$14\frac{1}{2}$ "	Dabaq
1588	10" and Series 1000	Dahun	816	16" and No. 2-H	Aflot
813	13"	Advis			

Electric Grinding Attachment for South Bend Lathes



Equipped with Ball-Bearing Spindle

Standard Extra

This powerful and efficient Grinding Attachment is recommended for external grinding. The grinding spindle revolves on pre-lubricated, precision ball bearings which are sealed to protect them from damage by dust and grit from the grinding wheel.

Price includes $\frac{1}{4}$ h.p. Motor, 1725 r.p.m., ball-bearing grinding spindle, V-belt, belt guard, one $4" \times \frac{1}{2}"$ Alundum grinding wheel (grain 46-N, grade 5-B), and mounting clamp. 3-phase motor is supplied with extension cord but *not* switch or plug. 1-phase, and D.C. motors are supplied with extension cord, switch, and plug. When ordering Grinder specify exact voltage, phase, and cycle.

Size of Lathe	Diameter Will Grind	3-Phase 50/60 Cycle A.C. 220 or 440 V. Motor		1-Phase 60-Cycle A.C. 115 V. Motor*		Direct Current 110-120 V., or 230-250 V. Motor	
		No.	Code	No.	Code	No.	Code
9" & 900	5 $\frac{1}{4}$ -in.	30-WT	Raton	30-W	Sunar	30-WD	Kusaz
10" & 1000	5 $\frac{1}{8}$ -in.	30-NT	Rater	30-N	Sunev	30-DD	Kused
13"	8 -in.	30-DT	Rativ	30-D	Suniz	30-DD	Kuson
14 $\frac{1}{2}"$	9 -in.	30-KT	Ratoc	30-K	Surat	30-KD	Kuxes
16" & 2-H	9 $\frac{1}{2}$ -in.	30-GT	Raxet	30-G	Surex	30-GD	Kuxiv

*1-phase 60-cycle A.C. 230-Volt motor can also be supplied.

High Speed Electric Grinder

For Internal and External Grinding

Purchased Extra

This is a small grinding attachment for either internal grinding or light external grinding. Internal capacity down to $\frac{1}{8}"$ in diameter and depth to $2\frac{1}{4}"$. It is suitable for use on 9-inch, and 10-inch swing lathes. The grinder clamps on the compound rest of the lathe in place of tool post, as shown at right.

A double pulley drive provides two spindle speeds, one for internal, and the other for external grinding. The spindle is mounted on high speed precision ball bearings and operates smoothly at the maximum speed, which is 19,000 R.P.M.

Equipment consists of: $\frac{1}{14}$ H.P. high speed universal motor, suitable for operation on either A.C. or D.C. electric current; switch; extension cord; wrenches; precision ball-bearing grinding spindle; two belts; one wheel for external grinding ($2" \times \frac{1}{4}"$); balanced chuck for mounting internal grinding wheels; and three mounted wheels for internal grinding ($\frac{1}{4}" \times \frac{1}{4}"$, $\frac{1}{2}" \times \frac{1}{4}"$, and $\frac{3}{4}" \times \frac{1}{4}"$).

Cat. No. 1204. For 115-volt A.C. or D.C. current. Shipping weight, 10 lbs. Code word....."Giboz".

Cat. No. 1207. For 230-volt A.C. or D.C. current. Shipping weight, 10 lbs. Code word....."Gesep".



LiPe Pneumatic Bar Feed for Turret Lathes

Purchased Extra

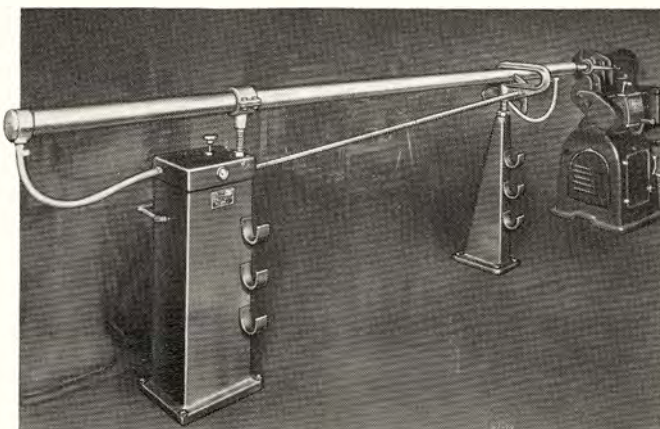
This pneumatic bar feed unit consists of an air cylinder long enough to contain a 12' bar of stock. The cylinder is open at the right end, which may be swung forward for loading the stock. Within the cylinder is a piston having a ball-bearing cup center which supports the free end of the stock. Air pressure forces the piston against the end of the stock, causing it to move forward instantly when the collet is opened. The stock is held firmly against the stop until the collet is closed.

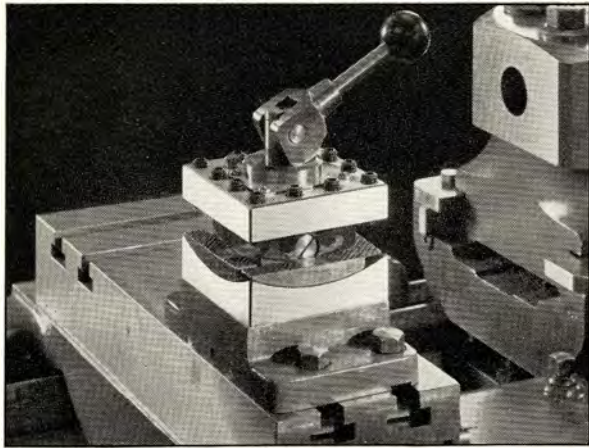
When the piston reaches the forward end of the air cylinder the air pressure is automatically shut off and forward movement of the stock ceases. After the unit is reloaded, the new stock pushes the remaining short length until it is completely used.

Low air pressure is required for operating the pneumatic bar feed unit. (Equipment does not include air compressor.)

Cat. No. 1881. LiPe Pneumatic Bar Feed Unit for Series 900, Series 1000, or No. 2-H South Bend Turret Lathe. Shipping weight, 385 lbs. Code word....."Nybac".

SOUTH BEND, INDIANA, U.S.A.





4-Way Turret Tool Block

For Double Tool Cross Slide

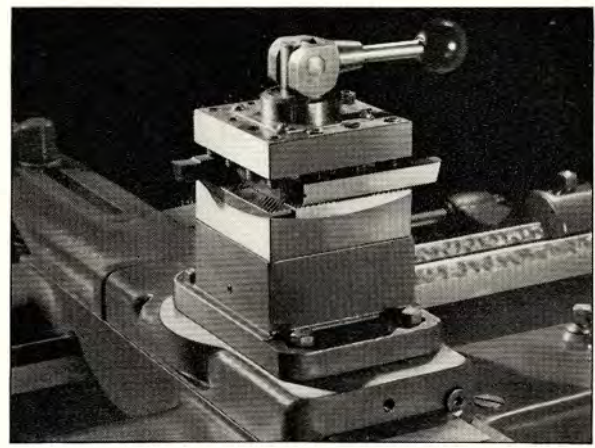
Standard Extra

The 4-Way Turret Tool Block shown above is designed for use on the handlever double tool cross slide or the screw feed double tool cross slide. It cannot be used on lathes equipped with compound rest only.

Four cutting tools can be mounted in the turret tool block. The turret indexes accurately, permitting each tool to be used in sequence for rough turning, finish turning, facing, boring, cutting-off, or other operations as required. A quick acting cam operated binder locks the turret securely in each of the four positions. Rocker adjustment is provided for adjusting the height of the cutting edge of each tool.

4-Way Turret Tool Block for Double Tool Slide

Catalog Number	Size Lathe	Size Square	Takes Tools	Code Word
40-HD	9" and Series 900	3"	$\frac{3}{8}$ " x $\frac{3}{8}$ "	Lytux
41-HD	10" and Series 1000	3"	$\frac{3}{8}$ " x $\frac{3}{8}$ "	Lytub
42-HD	16" and No. 2-H	4"	$\frac{3}{8}$ " x $\frac{3}{8}$ "	Lytoc



4-Way Turret Tool Block

For Compound Cross Slide

Standard Extra

The 4-Way Turret Tool Block shown above is designed for use on the base of the compound cross slide. It cannot be used on the double tool cross slide.

Four cutting tools can be mounted in the turret tool block. The turret indexes accurately, permitting each tool to be used in sequence for rough turning, finish turning, facing, boring, cutting-off, or other operations as required. A quick acting cam operated binder locks the turret securely in each of the four positions. Rocker adjustment is provided for adjusting the height of the cutting edge of each tool.

4-Way Turret Tool Block for Compound Cross Slide

Catalog Number	Size Lathe	Size Square	Takes Tools	Code Word
40-HC	9" and Series 900	3"	$\frac{3}{8}$ " x $\frac{3}{8}$ "	Lytux
41-HC	10" and Series 1000	3"	$\frac{3}{8}$ " x $\frac{3}{8}$ "	Lytuk
42-HC	16" and No. 2-H	4"	$\frac{3}{8}$ " x $\frac{3}{8}$ "	Lytom

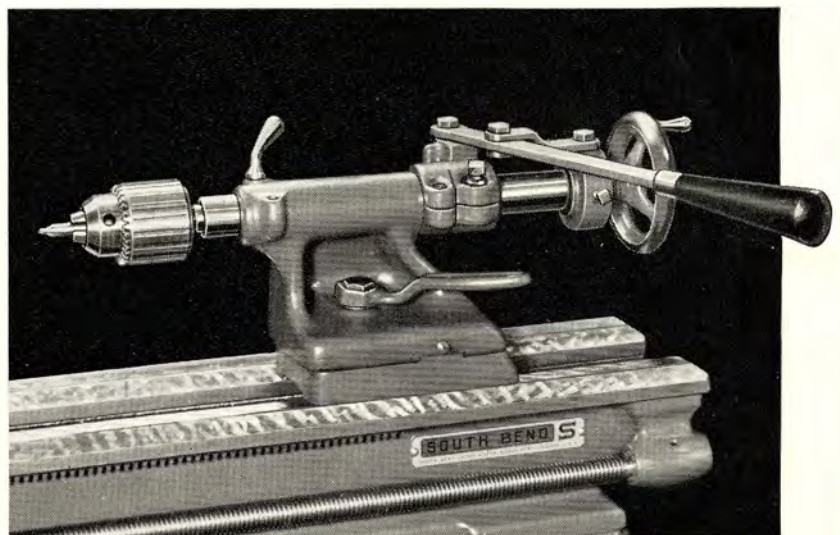
Handlever Tailstock

Standard Extra

The handlever tailstock is a practical attachment for drilling, reaming, tapping, and centering operations. The convenient lever operation of the spindle saves much time on production work. The spindle may be set for drilling to any depth up to maximum length of feed. This tailstock is similar to the regular tailstock, except for the spindle construction. The tailstock top may be set over for taper turning. The spindle may be operated by either the handlever or by turning the tailstock handwheel.

Handlever Tailstock for South Bend Lathes

Size Lathe	Length of Feed	In Lieu of Regular Tailstock		In Addition to Regular Tailstock	
		Cat. No.	Code	Cat. No.	Code
9"	2 $\frac{3}{8}$ "	519-W	Jibet	1197-W	Hitid
10"	2 $\frac{5}{8}$ "	1656	Jibuh	1194	Hokec
13"	4 $\frac{3}{8}$ "	902	Jebot	1199	Hokus



Milling and Keyway Cutting Attachment

Standard Extra

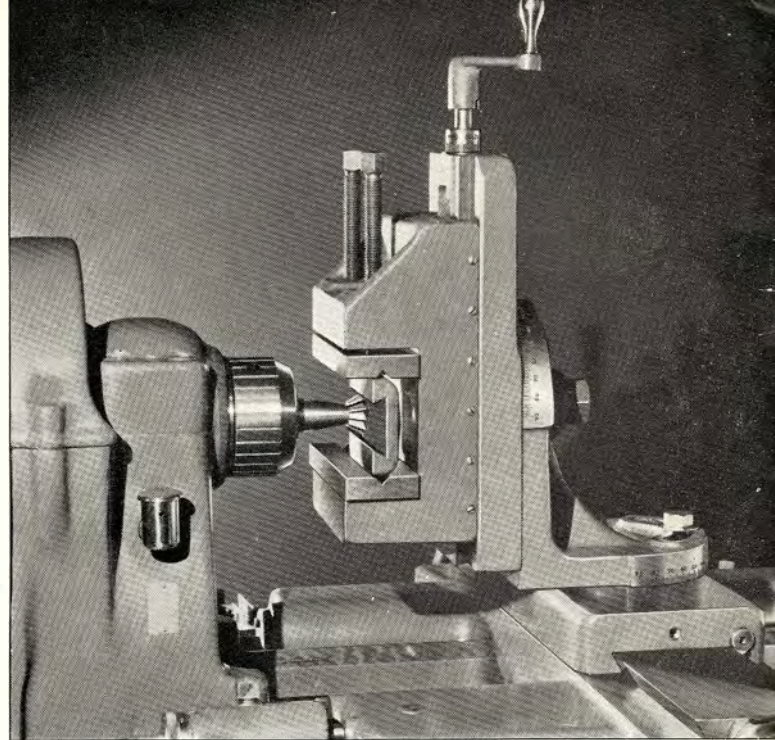
The milling and keyway cutting attachment is excellent equipment for the shop that does not have a milling machine. It is mounted on the compound rest base of the lathe, permitting the power cross-feeds and power longitudinal feeds to be employed for milling and boring operations on work held in the milling attachment vise.

The angle plate to which the vertical slide is attached is graduated 180° in both the horizontal plane and vertical plane, permitting the vise to be swiveled in any direction. The vertical slide adjusting screw is equipped with a micrometer graduated collar.

The equipment included consists of: milling and keyway cutting attachment, two V-blocks for holding round work, one crank handle for feed screw, one double end wrench, and necessary bolts and nuts for installing attachment on lathe. Milling cutters and arbors are not included.

Milling and Keyway Cutting Attachment

Catalog Number	Size of Lathe	Vertical Feed	Cross-Feed	Vise Will Hold	Depth of Jaws	Width of Jaws	Weight Each	Code Word
9-W	9 in.	2½ in.	5¼ in.	1½ in.	¾ in.	3 in.	13 lbs.	Vabif
1-N	10 in.	3 in.	5½ in.	1¾ in.	¾ in.	3½ in.	25 lbs.	Vahek
3	13 in.	4¼ in.	8½ in.	2½ in.	1½ in.	4½ in.	40 lbs.	Victo
4-K	14½ in.	6 in.	10 in.	4 in.	2 in.	5½ in.	50 lbs.	Vulat
5	16 in.	6 in.	10½ in.	4 in.	2 in.	5½ in.	65 lbs.	Varen



Arbor for Side and Plain Milling Cutters

For holding cutters with standard 1-inch hole. Capacity between nut and shoulder is 1½ inches. Three spacing collars and hardened nut are furnished with each arbor. The Taper Shank is ground to fit the headstock spindle of the lathe.



Arbors for Milling Cutters
Standard Extras

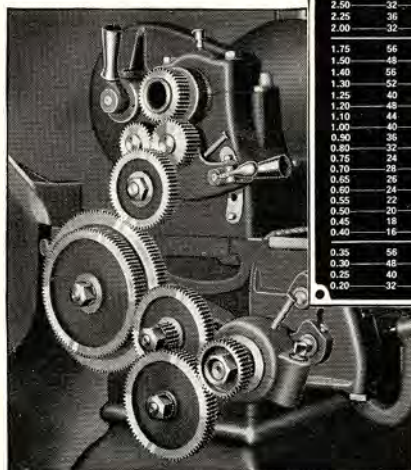
Cat. No.	Size of Lathe	Morse Taper	Code Word
109-W	9 in.	No. 3	Kacel
1548	10 in.	No. 3	Kahec
113-M	13 in.	No. 3	Koite
114-M	14½ in.	No. 3	Kezaf
116-M	16 in.	No. 3	Kempy

Metric Transposing Gears

For Cutting Metric Screw Threads

Standard Extras

Right—Index Chart Showing Metric Screw Threads Cut with Metric Transposing Gears



Left — South Bend Lathe Equipped with Metric Transposing Gears

TRANSPOSING GEAR CHART METRIC SCREW THREADS ENGLISH PITCH LEAD SCREW			
M/M PITCH	STUD GEAR	ISLER GEAR	SCREW GEAR
6.00	48	FIG. 1	20
5.50	44	FIG. 1	20
5.00	40	FIG. 1	20
4.50	36	FIG. 1	20
4.00	32	FIG. 1	20
3.50	28	FIG. 1	20
3.00	24	FIG. 1	40
2.75	44	FIG. 1	40
2.50	32	FIG. 1	32
2.25	36	FIG. 1	40
2.00	32	FIG. 1	40
1.75	56	FIG. 2	80
1.50	48	FIG. 2	80
1.40	56	FIG. 2	100
1.30	52	FIG. 2	100
1.25	40	FIG. 2	80
1.10	44	FIG. 2	100
1.00	40	FIG. 2	100
0.90	36	FIG. 2	100
0.80	32	FIG. 2	100
0.75	24	FIG. 2	80
0.70	28	FIG. 2	100
0.65	28	FIG. 2	100
0.60	24	FIG. 2	100
0.55	22	FIG. 2	100
0.50	20	FIG. 2	100
0.45	18	FIG. 2	100
0.40	16	FIG. 2	100
0.35	56	FIG. 3	100
0.30	48	FIG. 3	100
0.25	40	FIG. 3	100
0.20	32	FIG. 3	100

Right-hand and left-hand metric screw threads ranging from 6 mm pitch to 0.20 mm pitch, as listed in the index chart at left, can be cut (in addition to the regular English pitches) on any size or type of South Bend Lathe when equipped with a set of metric transposing gears.

Gear guards designed to enclose the metric gears are supplied at no extra cost when the transposing gears are ordered with the lathe. When transposing gears are ordered separate from the lathe a special gear guard is required. The price of the special gear guard will be quoted on request.

Metric Transposing Gears

Size of Lathe	Standard Change		Quick Change	
	Cat. No.	Code	Cat. No.	Code
9" and Series 900	1759-W	Kazaj	1955-W	Lupal
10" and Series 1000	1955-N	Lucem
13"	1957	Luhov
14½"	1961	Lukaw
16" and No. 2-H	1959	Lujem

Oil Pans, Splash Pans, and Chip Pans

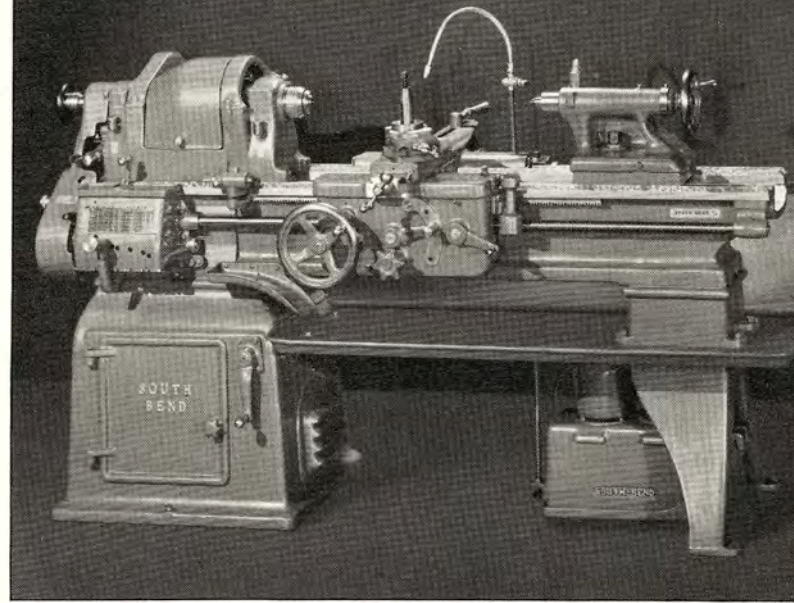
Standard Extras

Oil Pans, Splash Pans, and Chip Pans for South Bend Lathes are made of heavy gauge sheet steel with welded corners and roll rim. Pans should be specified at the time the lathe is ordered so that they can be properly fitted at the factory.

Oil Pans are designed for collecting both oil and chips and are oil tight. Oil pans extend from the headstock leg to the tailstock end of bed as shown. Oil return troughs are provided at the headstock end of the lathe.

Splash Pans are an essential addition to the oil pans for all lathes that are equipped with taper attachments and for all turret lathes. The splash pans are attached to the back of the oil pans, as shown in the illustration at right.

Chip Pans are intended for collecting chips only and are not necessarily oil tight. Chip pans extend from the headstock leg to the tailstock end of bed.



16-inch South Bend Lathe equipped with oil pan, splash pan, coolant reservoir, coolant pump, and piping

Oil Pans for Floor Leg Lathes

Cat. No.	Size Lathe	LENGTH OF BED									
		3'	3½'	4'	4½'	5'	6'	7'	8'	10'	12'
2020-N	10 in.	Zokem	Cokun	Disoz	Fucam	Himeg	Kucar	Litaz			
2022	13 in.			Dahk		Himuz	Kucen	Lited	Mesar	Nekuh	
2023	14½ in.						Kuciz	Liton	Mesiz	Nemix	Penim
2024	16 in.										

Splash Pans for Floor Leg Lathes

Cat. No.	Size Lathe	LENGTH OF BED									
		3'	3½'	4'	4½'	5'	6'	7'	8'	10'	12'
2059-N	10" and 1000	Wynac	Wynab	Wynik	Wynos						
2060	13 in.			Wymoe		Wymot	Wymug	Wymux			
2061	14½ in.					Wypaz	Wypeh	Wypim	Wypox	Wytuh	
2062	16 in.						Wywer	Wywem	Wywik	Wywob	
2086	No. 2-H						Wysan	Wysex			

Chip Pans for Floor Leg Lathes

Cat. No.	Size Lathe	LENGTH OF BED									
		3'	3½'	4'	4½'	5'	6'	7'	8'	10'	12'
1987-N	10 in.	Zemoh	Casoz	Dihon	Fehar						
1989	13 in.			Dadiz		Hewob	Kecah	Lepa			
1990	14½ in.					Hewuh	Kecip	Lepif	Menab	Nenac	
1991	16 in.						Keciv	Lepop	Menop	Nenog	Pakey

Oil Pans for Bench Lathes

Cat. No.	Size Lathe	LENGTH OF BED			
		3'	3½'	4'	4½'
Horizontal Motor Driven Bench Lathes					
1497-W	9 in.	Buzag	Cunab	Dopen	Fopal
Underneath Belt Motor Driven Bench Lathes					
1597-N	10 in.	Zehoe	Canex	Dozik	Fumar

Splash Pans for Bench Lathes

Cat. No.	Size Lathe	LENGTH OF BED			
		3'	3½'	4'	4½'
Horizontal Motor Driven Bench Lathes					
2056-W	9" and 900	Wywab	Wyrek	Wyrin	Wyroz
Underneath Belt Motor Driven Bench Lathes					
2058-W	9" and 900	Wytak	Wytem	Wytis	Wytot
2057-N	10" and 1000	Wysac	Wysem	Wysir	Wysox

Chip Pans for Bench Lathes

Cat. No.	Size Lathe	LENGTH OF BED			
		3'	3½'	4'	4½'
Horizontal Motor Driven Bench Lathes					
1297-W	9 in.	Boxal	Cupac	Domav	Fokaw
Underneath Belt Motor Driven Bench Lathes					
1377-N	10 in.	Zasuk	Cuxek	Dover	Femah

Coolant Pump, Reservoir, and Piping

Standard Extras

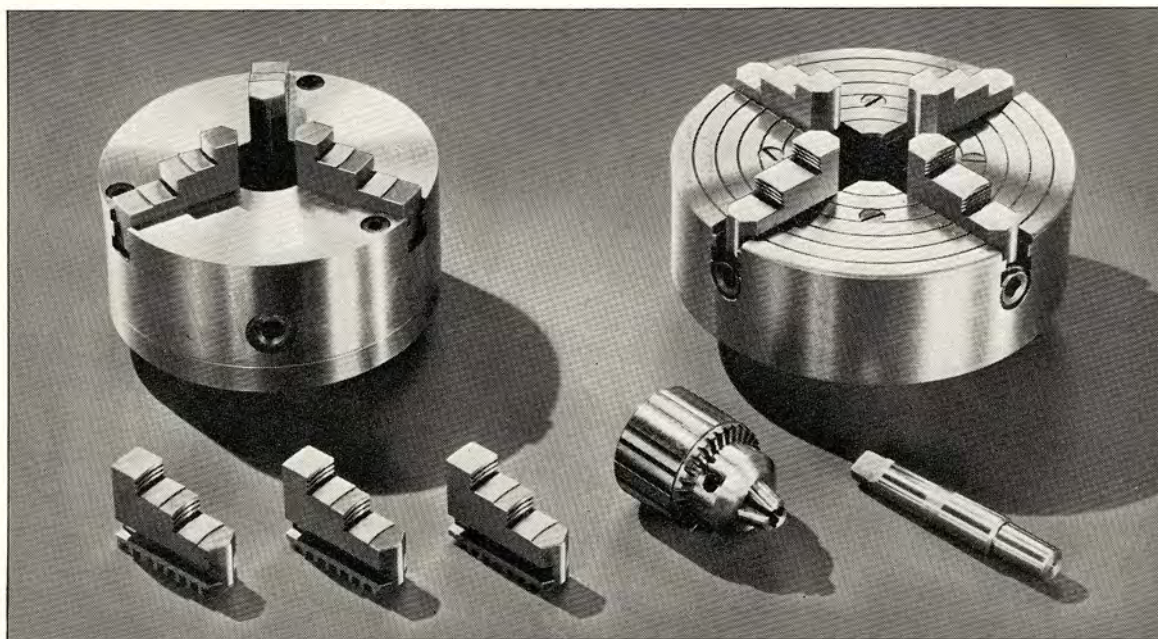
The coolant equipment described below is intended for use with South Bend Lathes equipped with oil pans as described above. The oil pump is self-priming as it is below the oil level.

Coolant equipment includes a motor driven coolant pump, tubing, reservoir, ¼ h.p. motor, as listed below, with switch wired to motor. When ordering specify voltage, phase, and cycle of motor wanted.

Coolant Pump, Reservoir, and Piping

Size of Lathe Inches	FOR FLOOR LEG LATHES				FOR BENCH LATHES							
	Underneath Motor Driven Floor Leg Lathes				Horizontal Motor Driven Bench Lathes				Underneath Motor Driven Bench Lathes			
	Cat. No.	3-Phase 50/60 Cy. A.C. 220 V. or 440 V.	1-Phase 60 Cycle A.C. 115 V.	D.C. 110-120 V., or 230-250 Volt	Cat. No.	3-Phase 50/60 Cy. A.C. 220 V. or 440 V.	1-Phase 60 Cycle A.C. 115 V.	D.C. 110-120 V., or 230-250 Volt	Cat. No.	3-Phase 50/60 Cy. A.C. 220 V. or 440 V.	1-Phase 60 Cycle A.C. 115 V.	D.C. 110-120 V., or 230-250 Volt
9					1854-W	Rugix	Rucay	Ruhan	1901-W	Sanep	Socax	Sudam
10	1674-N	Lowem	Limen	Lutan					1901-N	Sanoz	Socuz	Sudco
13	1676	Lowsa	Linar	Lutbo								
14½	1677	Lowuc	Lipax	Luter								
16	1678	Loxav	Lipeb	Lutiv								

Chucks for South Bend Lathes



3-Jaw Universal Lathe Chucks with Two Sets of Jaws Fitted with Chuck Plate Threaded for Lathe Spindle

Purchased Extras

Two sets of jaws are furnished with each Universal Chuck, one set for chucking internally and the other for chucking externally. Chuck body is ground and jaws are hardened. Chuck jaws are moved simultaneously by a scroll, and work is automatically centered. Prices include chuck with two sets of jaws, wrench, and threaded chuck plate fitted to lathe spindle. Made in the United States.

Cat. No.	Size of Chuck	Approx. Shipping Weight	9-inch & Ser. 900 Lathes	10-inch Regular Lathes	10"-1" Col. & Ser. 1000 Lathes	13-inch Lathes	14½-inch Lathes	16-inch & No. 2-H Lathes
3005	5"	12½ lbs.	Faput	Focas	Cavba	.....	.....	.....
3505	5"	16 lbs.	Cauro	Focaw	Cukan	Fomol	Cawbo	Catay
3506	6"	22 lbs.	.....	Caulx	Cosax	Bafuk	Bosaw	Catca
3507	7½"	37 lbs.	.....	.....	.....	Baguy	Bosok	Balat
3509	9"	64 lbs.	.....	.....	.....	.....	Bosuj	Bapoj

Recommended sizes are shown in **Bold Face Type**.

4-Jaw Independent Lathe Chucks with Reversible Jaws Fitted with Chuck Plate Threaded for Lathe Spindle

Purchased Extras

These chucks have four independent solid jaws with individual screw adjustment. The jaws may be reversed for chucking work either inside or outside. Chuck body is ground and chuck jaws are hardened and ground.

Prices include chuck, wrench, and threaded chuck plate fitted to lathe spindle and to chuck. Manufactured in the United States.

Cat. No.	Size of Chuck	Approx. Shipping Weight	9-inch & Ser. 900 Lathes	10-inch Regular Lathes	10"-1" Col. & Ser. 1000 Lathes	13-inch Lathes	14½-inch Lathes	16-inch & No. 2-H Lathes
4006	6"	13 lbs.	Fabaw	Fazim	Pabmo	.....	.....	.....
4206	6"	18 lbs.	Padkn	Fazos	Fecik	Fajub	Pamez	.....
4207	7½"	37 lbs.	.....	Padlo	Padxa	Cawoc	Celay	Pamfa
4209	9"	50 lbs.	.....	.....	.....	Cayes	Celuk	Cocet
4210	10"	60 lbs.	.....	.....	.....	.....	.....	Cocuj
4212	12"	80 lbs.	.....	.....	.....	.....	.....	Codik

Recommended sizes are shown in **Bold Face Type**.

Jacobs Three-Jaw Drill Chuck—*Purchased Extra*

Cat. No.	Capacity	Diam.	Length	Net Wt.	Ship. Wt.	Code
1200	0 to ⅜ in.	1⅜ in.	2¼ in.	1⅜ lbs.	1⅞ lbs.	Cleve
1201	0 to ½ in.	2⅜ in.	2½ in.	1¾ lbs.	2⅜ lbs.	Wauko
1202	⅜ to ¾ in.	2⅞ in.	3⅜ in.	3⅜ lbs.	3⅞ lbs.	Faloo
1206	¾ to 1 in.	3⅞ in.	5⅞ in.	6⅜ lbs.	7⅞ lbs.	Faped

Almond Three-Jaw Drill Chuck—*Purchased Extra*

Cat. No.	Capacity	Diam.	Length	Net Wt.	Ship. Wt.	Code
219	0 to ⅜ in.	1⅜ in.	2¼ in.	1⅜ lbs.	1⅞ lbs.	Acpen
220	0 to ½ in.	2⅜ in.	2½ in.	1¾ lbs.	2⅜ lbs.	Acqip
327	⅜ to ¾ in.	2⅞ in.	3⅜ in.	3⅜ lbs.	3⅞ lbs.	Rulid
328	¾ to 1 in.	3 in.	4⅜ in.	5⅜ lbs.	6⅜ lbs.	Rulof

Taper Shank Arbors—*Purchased Extras*

For fitting drill chucks to lathe spindles

Cat. No.	Size Lathe	Morse Taper	Net Wt.	Ship. Wt.	Code
709-W	9-in.	No. 2	½ lb.	¾ lb.	Achuk
709-N	10-in.	No. 2	½ lb.	¾ lb.	Tizak
713	13, 14½-in.	No. 3	½ lb.	1 lb.	Adams
716	16-in.	No. 3	½ lb.	1 lb.	Agate

Straight Shank Arbors—*Purchased Extras*

For fitting drill chucks to lathe turrets

Catalog Number	Size Lathe	Diameter of Shank	Length of Shank	Code Word
1865	900 Series	⅜ inch	2½ inch	Cwbeb
1869	1000 Series	⅜ inch	2½ inch	Cwbeh
1875	No. 2-H	1½ inch	4 inch	Cwban

Lathe Chucks Not Fitted with Chuck Plates

Purchased Extras

Because of war conditions, it is sometimes impossible to supply our regular lathe chucks listed on page 10 in some particular size or type. However, we can often supply substitute chucks that may be available in the same size and type as those that may have been ordered. Alternate chucks are therefore listed below in the event such substitution is necessary.

We recommend that second and third choice of chuck be indicated when the order is placed. Substitutions will be made only with your approval and to serve your best interests by giving you the best delivery possible under the existing circumstances. All chucks listed below must be fitted with chuck plate before they can be used.

Description	Skinner		Cushman		Almond		Westcott		Union	
	Mfr's. Cat. No.	Code Word	Mfr's. Cat. No.	Code Word	Mfr's. Cat. No.	Code Word	Mfr's. Cat. No.	Code Word	Mfr's. Cat. No.	Code Word
4-JAW INDEPENDENT CHUCKS										
6"—4-Jaw Independent Lathe Chuck—Not Fitted..							5106	Cwdek		
6"—4-Jaw Independent Lathe Chuck—Not Fitted..	906	Cwdih	614-C	Cwdin	50-6	Cwdiz	10A45	Cwdor	518-6	Cwdot
8"—4-Jaw Independent Lathe Chuck—Not Fitted..	908	Cwhab	814-C	Cwham	50-8	Cwhas	10A48	Cwheh	518-8	Cwhex
9"—4-Jaw Independent Lathe Chuck—Not Fitted..									518-9	Cwhow
10"—4-Jaw Independent Lathe Chuck—Not Fitted..	910	Cwnah	1014-C	Cwnaz	40-10	Cwneb	10A50	Cwnes	518-10	Cwnet
3-JAW UNIVERSAL CHUCKS										
5"—3-Jaw Universal Lathe Chuck—Not Fitted....	3805	Cwrab	5234-B	Cwran	34-5	Cwreg	935	Cwrem	123-5	Cwrez
6"—3-Jaw Universal Lathe Chuck—Not Fitted....	3806	Cwsok	6234-B	Cwsom	34-6	Cwsub	936	Cwsug	123-6	Cwsur
8"—3-Jaw Universal Lathe Chuck—Not Fitted....	3408	Cwtat	834-B	Cwtan	34-8	Cwteb	938	Cwtet	153-8	Cwtez

Threaded Chuck Plate

Standard Extra

Threaded chuck plates fitted to spindle nose of lathe are supplied for fitting above chucks to South Bend Lathes, also for those who wish to fit their own chucks. When ordering threaded chuck plates separate from lathe specify size and serial number of lathe and diameter of recess in back of chuck.



Size Lathe	Chuck Plate Threaded to Spindle but not Fitted to Chuck		Chuck Plate Threaded to Spindle and Fitted to Chuck	
	Cat. No.	Code	Cat. No.	Code
9" and 900	126-W	Somak	2935	Sywub
10" Regular	1932	Soken	2932	Sywug
10"-1" Col. & 1000	1933	Sokir	2933	Sywuk
13"	1937	Sonur	2937	Sywun
14 1/2"	1946	Sonax	2946	Sywur
16" and No. 2-H	1939	Sopig	2939	Sywut

Jacobs Hollow Threaded Chuck

Purchased Extra



Chuck screws on spindle nose of lathe, and has hollow body for holding small automobile engine valves for refacing. Also used for holding small rods, bars and tubes for machining. 5/8-inch chuck can be used in tailstock of lathe when fitted with solid arbor listed on page 10. Price and weight includes pinion key.

Jacobs Hollow Threaded Chuck

Cat. No.	Size Lathe	Capacity	Net Wt.	Ship. Wt.	Code
907-W	9" and 900	1/8" to 5/8"	3 1/8 lbs.	3 3/4 lbs.	Robal
925-W	9" and 900	3/16" to 3/4"	3 3/8 lbs.	4 1/4 lbs.	Rodna
925-N	*10" Regular	3/16" to 3/4"	3 3/8 lbs.	4 1/4 lbs.	Ronez
925-C	13 in.	3/16" to 3/4"	3 3/8 lbs.	4 1/4 lbs.	Rodro

*For 10-inch 1" Collet Lathe use Hollow Arbor Chuck below.

Jacobs Hollow Arbor Chuck

Purchased Extra



This is an ideal chuck for holding small rods and bar work for machining in the lathe. It is also practical for holding all kinds of engine valves, centered and centerless, for refacing in the lathe. Price and weight include pinion key and hollow steel arbor (No. 3 Morse Taper).

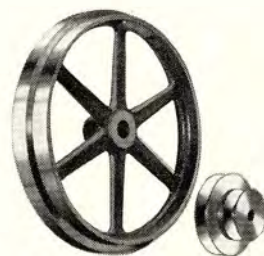
Cat. No.	Size Lathe	Capacity	Net Wt.	Ship. Wt.	Code
645	10", 13", 14 1/2", 16", & No. 2-H	1/8" to 5/8"	2 5/8 lbs.	3 1/4 lbs.	Ceroh
646	10", 13", 14 1/2", 16", & No. 2-H	3/16" to 3/4"	4 7/8 lbs.	5 3/4 lbs.	Cerun

Double Pulley Drive

Standard Extra

Twelve spindle speeds can be obtained on 9-inch and 10-inch South Bend Lathes by using these two-step pulleys on the lathe motor and countershaft. The approximate spindle speed range is 40 r. p. m. to 1200 r. p. m. These pulleys are standard equipment on all 9-inch Underneath Motor Driven Lathes and 10-inch 1" Collet Lathes. Minimum size motor required 1/2 h. p.

Description	Size Lathe	Shp. Wt. Lbs.	In Lieu of Reg. Pulleys		As Separate Equipment	
			Cat. No.	Code Word	Cat. No.	Code Word
Pulley for C'shaft	9" Reg.	12	426-W	Agbus	427-W	Agbin
		12	1797	Gomus	1798	Lesam
Pulley for Motor	9" Reg.	2 1/2	158-W	Ageup	159-W	Agip
		2 1/2	1684	Guhac	1685	Losur

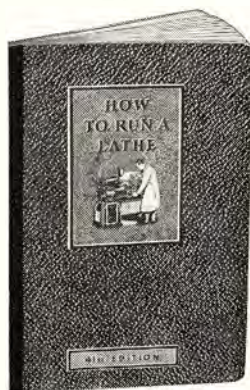


"How to Run a Lathe"

For the Apprentice

"How to Run a Lathe" is a practical reference book on the operation and care of metal working lathes. It is widely used for training apprentices, new workers, and students.

Revised Edition No. 41 of the book "How to Run a Lathe" contains 128 pages size 5 1/8" x 8", and more than 360 illustrations. Detailed information is given on grinding lathe tool cutter bits, taking accurate measurements, cutting screw threads, taper turning, feeds and speeds, boring, and other classes of lathe work. Valuable reference tables and rules are also included in this book.



"How to Run a Lathe" is printed in English, French, Spanish, and Portuguese. Price postpaid 25c. Stamps or money order of any country accepted. State language wanted.

SOUTH BEND, INDIANA, U.S.A.

Tool Holders for South Bend Lathes

Purchased Extras

Lathe Tool Holders

Drop-forged steel, heat-treated and hardened lathe tool holders. Supplied in three styles: straight, right-hand, and left-hand as illustrated.

Price includes: tool holder with hardened steel set screw, one unground hardened high speed steel cutter bit, and a hardened drop-forged steel wrench.



Straight Tool Holder



Right-Hand Tool Holder



Left-Hand Tool Holder

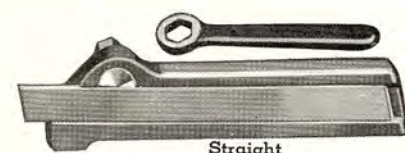
Lathe Tool Holders—Straight, Right-Hand, and Left-Hand

Size of Lathe	Size of Shank, Inches	Size of Cutter, Inches		Straight	Right Hand	Left Hand
9" and Ser. 900	$\frac{3}{8} \times \frac{13}{16}$	$\frac{1}{4} \times \frac{1}{4}$	{ Cat. No.	847-S	847-R	847-L
10" and Ser. 1000	$\frac{3}{8} \times \frac{13}{16}$	$\frac{1}{4} \times \frac{1}{4}$	{ Code Acump	Acurt	Acvet	
13"	$\frac{1}{2} \times 1\frac{1}{8}$	$\frac{5}{16} \times \frac{5}{16}$	{ Cat. No.	846-S	846-R	846-L
14 $\frac{1}{2}$ "	$\frac{3}{8} \times 1\frac{3}{8}$	$\frac{3}{8} \times \frac{3}{8}$	{ Code Sahuc	Rinas	Lekam	
16"			{ Cat. No.	852-S	852-R	852-L
			{ Code Axcol	Anmyb	Ashtg	
			{ Cat. No.	853-S	853-R	853-L
			{ Code Awdpk	Amnza	Ariuf	

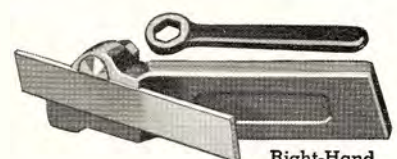
Cutting-off Tool Holders

Cutting-off tool holders are made of drop-forged steel, heat-treated and hardened. Supplied in three styles: straight, right-hand, and left-hand as illustrated.

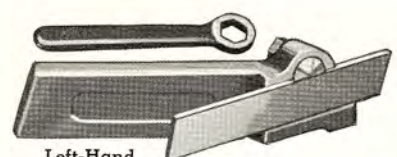
Price includes: tool holder with hardened steel set screw, one high speed ground cutter blade, and a hardened drop-forged steel wrench.



Straight



Right-Hand



Left-Hand

Cutting-off Tool Holders—Straight, Right-Hand, and Left-Hand

Size of Lathe	Size of Shank, Inches	Size of Cutter, Inches		Straight	Right Hand	Left Hand
9" and Ser. 900	$\frac{3}{8} \times \frac{13}{16}$	$\frac{3}{32} \times \frac{1}{8}$	{ Cat. No.	833-S	833-R	Not Supplied
10" and Ser. 1000	$\frac{3}{8} \times \frac{13}{16}$	$\frac{3}{32} \times \frac{1}{8}$	{ Code Adcat	Cemso	Lebic	
13"	$\frac{1}{2} \times 1\frac{1}{8}$	$\frac{1}{8} \times \frac{3}{4}$	{ Cat. No.	736-S	736-R	
14 $\frac{1}{2}$ "	$\frac{5}{8} \times 1\frac{3}{8}$	$\frac{1}{8} \times \frac{7}{8}$	{ Code Sohic	Recuh	Alrok	
16"			{ Cat. No.	883-S	883-R	
			{ Code Ajame	Clain	Alego	
			{ Cat. No.	884-S	884-R	
			{ Code Akilt	Cmolt		

Threading Tool

Made of drop-forged steel. Cutter requires grinding on top edge only to sharpen. Price includes: threading tool holder with hardened steel set screw; one high speed steel single point cutter (choice of V; U.S.S.; or Whitworth Standard-Sharp V cutter furnished unless otherwise ordered); and wrench. When ordering specify cutter wanted and give pitch or number of threads per inch to be cut.



Threading Tool

Size of Lathe	Cat. No.	Size of Shank, Inches	Code Word
9" & Ser. 900	845	$\frac{3}{8} \times \frac{3}{4}$	Adfob
10" & Ser. 1000	848	$\frac{1}{2} \times \frac{3}{4}$	Ganut
13"	867	$\frac{1}{2} \times 1\frac{1}{8}$	Adtir
14 $\frac{1}{2}$ ", 16"	868	$\frac{3}{8} \times 1\frac{1}{8}$	Acujq

Knurling Tool



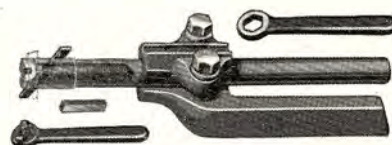
Knurling tool holder is made of drop-forged steel, heat-treated and hardened. Knurls are made of tool steel, hardened and tempered. Price includes: holder with choice of knurls in coarse, medium, fine; straight, or diamond shape. When ordering specify pattern of knurls wanted; otherwise medium diamond knurls will be supplied.

Knurling Tool

Size of Lathe	Cat. No.	Size of Shank, Inches	Code Word
9" & Ser. 900	820	$\frac{3}{8} \times \frac{3}{4}$	Domta
10" & Ser. 1000	665	$\frac{1}{2} \times \frac{3}{4}$	Dozah
13"	893	$\frac{1}{2} \times 1\frac{1}{8}$	Dilge
14 $\frac{1}{2}$ ", 16"	894	$\frac{3}{8} \times 1\frac{1}{8}$	Djoma

Style "B" Boring Tool

Made of drop-forged steel. Cutter can be set either straight or at a 45-degree angle. Price includes: drop-forged steel boring tool holder with hardened steel set screws, sleeve bar, end cap, two wrenches and two unground high speed steel cutter bits.



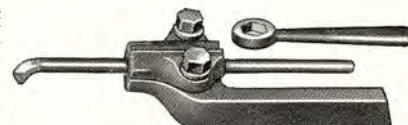
Style "B" Boring Tool

Catalog Number	Size of Lathe	Size of Shank, Inches	Size Bar, Inches	Code Word
423	9" & Ser. 900	$\frac{3}{8} \times \frac{3}{4}$	$\frac{1}{2} \times 8$	Hayun
546	10" & Ser. 1000	$\frac{1}{2} \times \frac{3}{4}$	$\frac{1}{2} \times 8$	Hacem
431	13"	$\frac{1}{2} \times 1\frac{1}{8}$	$\frac{3}{4} \times 12\frac{1}{8}$	Hcoil
432	14 $\frac{1}{2}$ ", 16"	$\frac{5}{8} \times 1\frac{1}{8}$	$\frac{15}{16} \times 14\frac{1}{8}$	Hdeal

Style "D" Boring Tool

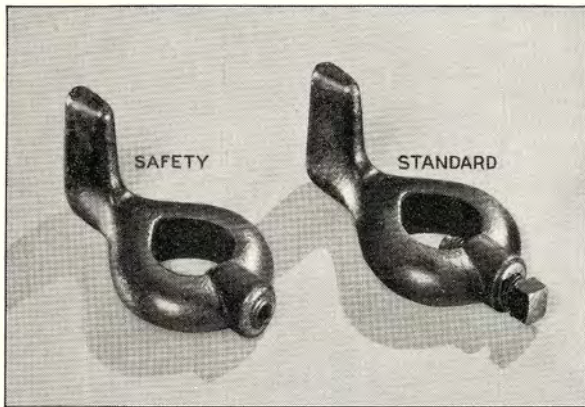
For boring work of small internal diameter. Price includes drop-forged steel boring tool holder, one boring bar, and wrench.

Will take the following sizes of boring bars: 9" and 10" Lathes, $\frac{1}{8}$ " to $\frac{1}{2}$ "; 13" Lathes, $\frac{1}{4}$ " to $\frac{3}{4}$ "; 14 $\frac{1}{2}$ ", 16" Lathes, $\frac{3}{8}$ " to 1".



Style "D" Boring Tool

Catalog Number	Size of Lathe	Size of Shank, Inches	Size Bar, Inches	Code Word
505-F	9" & Ser. 900	$\frac{3}{8} \times \frac{3}{4}$	$\frac{1}{4} \times 5$	Adyot
505-N	10" & Ser. 1000	$\frac{1}{2} \times \frac{3}{4}$	$\frac{1}{4} \times 5$	Pahuz
505-C	13"	$\frac{1}{2} \times 1\frac{1}{8}$	$\frac{3}{8} \times 7$	Pagas
505-D	14 $\frac{1}{2}$ ", 16"	$\frac{5}{8} \times 1\frac{1}{8}$	$\frac{1}{4} \times 8$	Pagew



Standard and Safety Lathe Dogs *Standard Extras*

These lathe dogs are made of heavy malleable iron and are properly designed for strength and service. The Standard Lathe Dog has square head alloy steel set screw. The Safety Lathe Dog has a headless alloy steel set screw and wrench.

Lathe Dogs for 13", 14½", and 16" Lathes

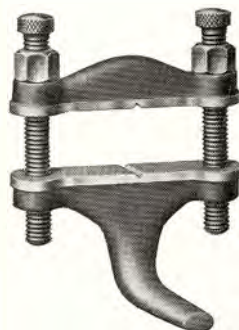
Standard Lathe Dogs			Safety Lathe Dogs		
Cat. No.	Capacity	Code Word	Cat. No.	Capacity	Code Word
1-M	¾ in.	Holal	1-MH	¾ in.	Kelig
2-M	1 in.	Holep	2-MH	1 in.	Kelom
4-M	1¼ in.	Holit	4-MH	1¼ in.	Kelus
6-M	1½ in.	Holoz	6-MH	1½ in.	Kemam
8-M	1¾ in.	Holuf	8-MH	1¾ in.	Kemug
10-M	2 in.	Homaz	10-MH	2 in.	Kenaz
11-M	2¼ in.	Homih	11-MH	2¼ in.	Kened
12-M	2½ in.	Homon	12-MH	2½ in.	Kenih
14-M	3 in.	Homut	14-MH	3 in.	Kenom
15-M	3½ in.	Honam	15-MH	3½ in.	Kenut
16-M	4 in.	Honeq	16-MH	4 in.	Keqes
17-M		Honug	17-MH		Keqiw

Lathe Dogs for 9" and 10" Lathes

Standard Lathe Dogs			Safety Lathe Dogs		
Cat. No.	Capacity	Code Word	Cat. No.	Capacity	Code Word
1-MJ	¾ in.	Kamuk	1-JH	¾ in.	Tacey
2-MJ	1 in.	Kanad	2-JH	1 in.	Tacic
4-MJ	1¼ in.	Kaneh	4-JH	1¼ in.	Tadah
6-MJ	1½ in.	Kanil	6-JH	1½ in.	Tadip
8-MJ	1¾ in.	Kanar	8-JH	1¾ in.	Tebac
10-MJ	2 in.	Kanux	10-JH	2 in.	Tebeg

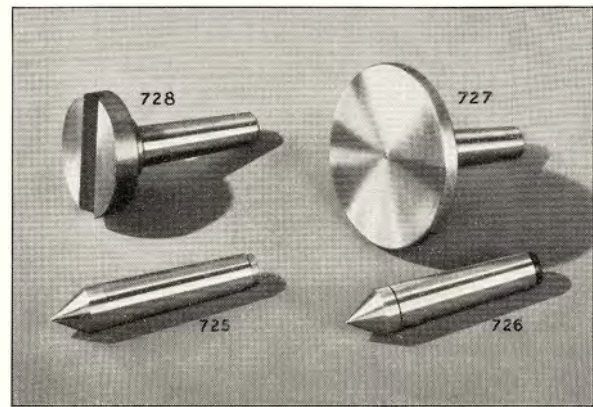
Clamp Lathe Dogs *Purchased Extras*

Made of heavy drop-forged steel, carefully machined and hardened. Practical for holding round, hexagonal or rectangular work. Screws have U.S. Standard thread and are hardened and tempered. The nuts permit adjusting screws for minimum projection of screw heads beyond body of lathe dog. Each clamp lathe dog is boxed separately.



Clamp Lathe Dogs

Catalog Number	Capacity		Size Lathe Used on	Code Word
	Maximum Opening	Distance Between Screws		
160	1½ in.	1¾ in.	9"; 10"; 13"; 14½"; 16"	Laqat
161	1¾ in.	2¼ in.	13"; 14½"; 16"	Laqib
162	2 in.	2¾ in.	13"; 14½"; 16"	Laqoh
163	2¼ in.	3 in.	14½"; 16"	Laqun



60° Headstock Spindle Center—*Standard Extra*

Made of tool steel, accurately ground all over. For use in headstock spindle of the lathe. Not hardened.

Size Lathe...	9 in. & 900	10 in. & 1000	13 in.	14½ in.	16 in. & 2-H
Cat. No.....	725-W	725-N	725-C	725-K	725-E
Code Word..	Adgud	Hosik	Hexop	Hexuv	Heyap

60° Tailstock Spindle Center—*Standard Extra*

Made of tool steel, hardened and ground all over. For use in tailstock spindle of the lathe.

Size Lathe...	9 in. & 900	10 in. & 1000	13 in.	14½ in.	16 in. & 2-H
Cat. No.....	726-W	726-N	726-C	726-K	726-E
Code Word..	Centre	Cehob	Cheat	Cepog	Clase

Drill Pad—*Standard Extra*

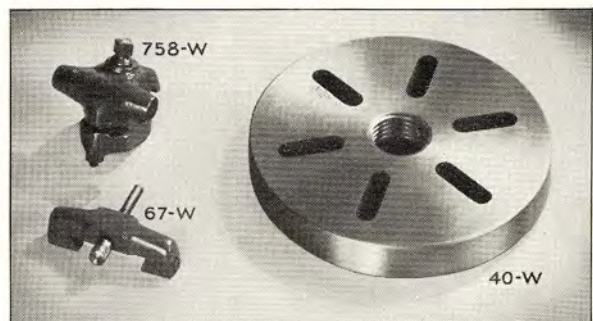
Used in tailstock spindle to support flat work while being drilled. Shank is ground to fit taper in tailstock spindle.

Size Lathe...	9 in. & 900	10 in. & 1000	13 in.	14½ in.	16 in. & 2-H
Cat. No.....	727-W	727-N	727-C	727-K	727-E
Code Word..	Donav	Dasug	Daheh	Dacim	Dahib

Crotch Center—*Standard Extra*

Used in tailstock for drilling cross holes in shafts, oil holes in bushings, etc.

Size Lathe...	9 in. & 900	10 in. & 1000	13 in.	14½ in.	16 in. & 2-H
Cat. No.....	728-W	728-N	728-C	728-K	728-E
Code Word..	Fanid	Fenic	Fevay	Fijes	Fomur



9-inch and Series 900 Lathes Accessories *Standard Extras*

Large Face Plate—Threaded to fit the spindle nose of lathe. Has slots for clamping work or special face plate fixtures. Heavily constructed and is ribbed on the back. Outside diameter 7⅞".

Cat. No. 40-W. Face Plate for 9" and Series 900 lathes. Code word....."Cehak".

Thread Cutting Stop—Used for regulating the depth of each chip when cutting screw threads.

Cat. No. 67-W. Thread Cutting Stop for 9" and Series 900 lathes. Code word....."Cegpy".

Plain Carriage Stop—A practical stop for facing, turning, boring, etc. Can be used on either side of the carriage.

Cat. No. 758-W. Plain Carriage Stop for 9" and Series 900 lathes. Code word....."Tahro".

Electrical Equipment

Motors and Controls for South Bend Lathes

Standard Extras

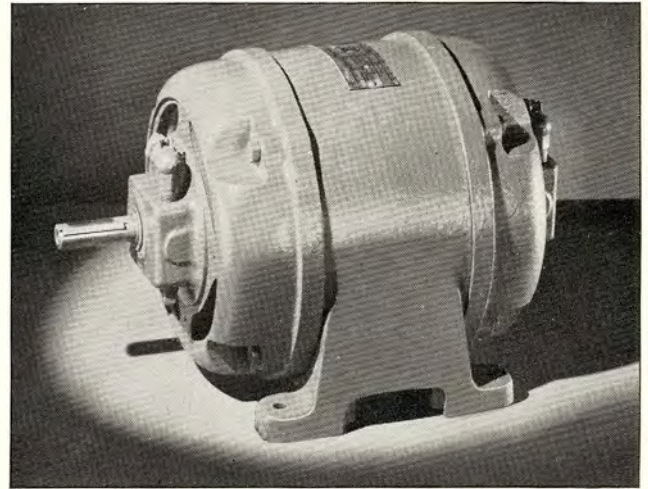
Motors and controls are not included in the prices of South Bend Lathes but are supplied at extra cost.

All 3-phase and D.C. motors and most single-phase motors are of the instant reversing type. Single-phase A.C. motors are capacitor type. One single-phase motor (marked with a dagger†) is of the start-stop reversing type.

Motors designed for operating on either 50 or 60 cycle current will operate at 1500 r.p.m. or 1800 r.p.m. respectively, indicated as "1500/1800" in the column under the heading "Rated Speed r.p.m." All controls include a drum type across-the-line starter. Starting resistance for D.C. motors is included when it is required.

Motors and controls will be fitted and wired at the factory without additional charge when ordered with the lathe. However, when customers or distributors ship motors or controls to the factory to be fitted to the lathe, a handling charge is made to cover the cost of unpacking and inspecting.

We recommend that all motors and controls be ordered with the lathe or shipped to the factory where we have facilities for installing and wiring and are prepared to test the completed job.



Motor and Control Units for South Bend Lathes

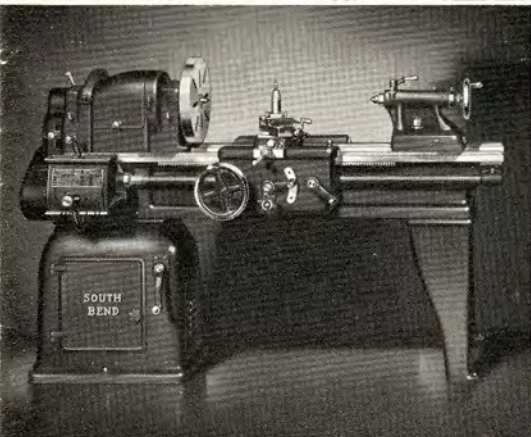
Catalog Number	Size Lathe	Size Motor h.p.	Current	Phase	Cycle	Voltage	Rated Speed r.p.m.	Code Word
1515	16-inch and 14½-inch	1½	A.C.	3	50/60	220/440	1500/1800	Zwbac
1519		1½	A.C.	3	50/60	550	1500/1800	Zwbek
1580		1½	A.C.	1	50/60	115/230	1500/1800	Zwdex
1589		1½	D.C.	.....	.....	115	1800	Zwkam
1590		1½	D.C.	.....	.....	230	1800	Zwkat
3127	2-H Turret	2-1	A.C.	3	60	220	1800-900	Zwnac†
3128		2-1	A.C.	3	60	440	1800-900	Zwnex†
3129		2-1	A.C.	3	60	550	1800-900	Zwnitt†
3130		1½	A.C.	3	50	220	1500	Zykem
3131		1½	A.C.	3	50	440	1500	Zykic
3132		1½	A.C.	3	50	550	1500	Zykos
1580		1½	A.C.	1	60	115/230	1800	Zwdex
3133		1½	A.C.	1	50	115/230	1500	Zwxib
1589		1½	D.C.	.....	.....	115	1800	Zwkam
1590		1½	D.C.	.....	.....	230	1800	Zwkat
1642	13-inch	1	A.C.	3	50/60	220/440	1500/1800	Zxban
1643		1	A.C.	3	50/60	550	1500/1800	Zxbis
1687		1	A.C.	1	50/60	115/230	1500/1800	Zxdom
1688		1	D.C.	.....	.....	115	1800	Zxgak
1689		1	D.C.	.....	.....	230	1800	Zxgas
1803	10-inch 1" Collet and Series 1000	¾	A.C.	3	50/60	220/440	1500/1800	Zybat
1804		¾	A.C.	3	50/60	550	1500/1800	Zybax
1814		¾	A.C.	1	60	115	1800	Zydoh
1817		¾	A.C.	1	60	230	1800	Zydos
1818		¾	A.C.	1	50	230	1800	Zygam
1836		¾	D.C.	.....	.....	115	1800	Zyhak
1837		¾	D.C.	.....	.....	230	1800	Zyhas
1912	10-inch Regular	1½	A.C.	3	50/60	220/440	1500/1800	Zwboh
1913		1½	A.C.	3	50/60	550	1500/1800	Zwbot
1970		1½	A.C.	1	60	115	1800	Zwgar
1977		1½	A.C.	1	60	230	1800	Zwgax
1978		1½	A.C.	1	50	230	1500	Zwhub
1979		1½	D.C.	.....	.....	115	1800	Zwmac
1980		1½	D.C.	.....	.....	230	1800	Zwmax
2201	9-inch and Series 900	1½	A.C.	3	50/60	550	1500/1800	Zxhac
2202		1½	A.C.	3	50/60	220/440	1500/1800	Zxhaw
2207		1½	A.C.	1	60	115	1800	Zxsac*
2208		1½	A.C.	1	60	230	1800	Zxsaw*
2209		1½	A.C.	1	50	230	1500	Zxtun*
2210		1½	D.C.	.....	.....	115	1800	Zxwab*
2211		1½	D.C.	.....	.....	230	1800	Zxwax*
2270	9-inch	¼	A.C.	3	50/60	220	1500/1800	Zygeb
2276		¼	A.C.	1	60	115	1800	Zynar*†
2278		¼	A.C.	1	60	115	1800	Zyras*
2279		¼	A.C.	1	60	230	1800	Zyraw*
2281		¼	D.C.	.....	.....	110/120	1800	Zysec*

*Equipped with 6 ft. extension cord and plug.

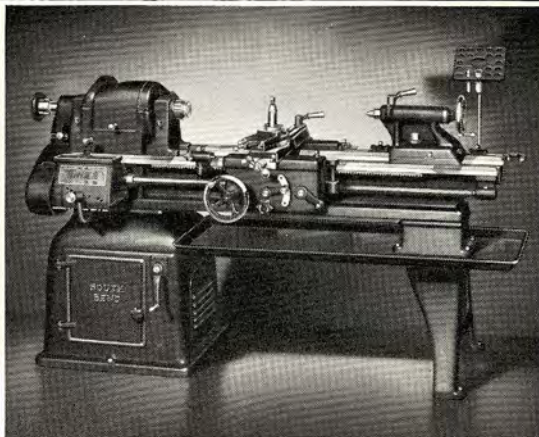
†Two-speed motor.

†Start-stop reversing motor.

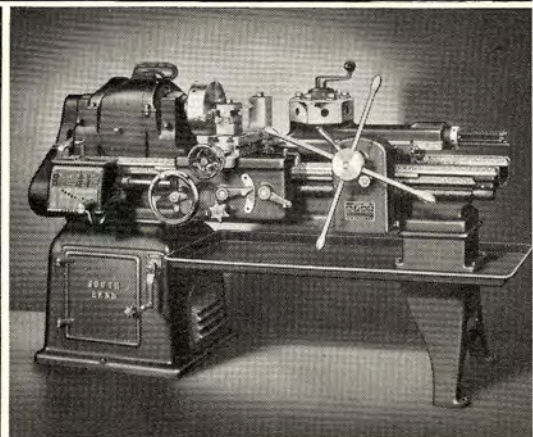
The RIGHT Lathe For Every Shop Need



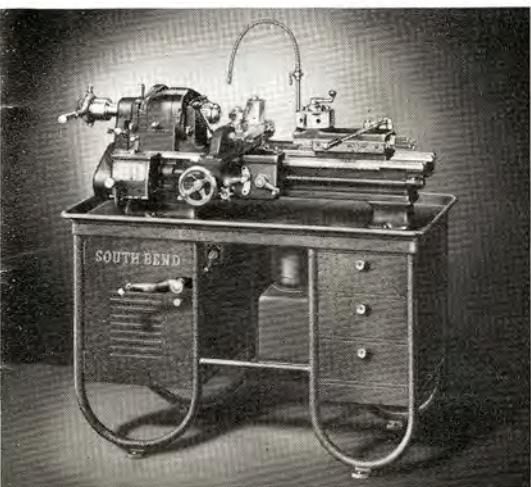
16" South Bend Underneath Motor Drive Precision Lathe.



14 1/2" South Bend Tool Room Underneath Motor Drive Precision Lathe.



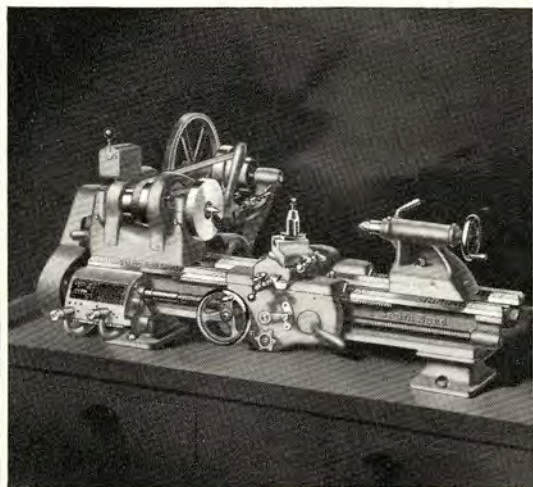
No. 2-H South Bend Underneath Motor Drive Turret Lathe.



No. 1003-Z South Bend Underneath Motor Drive Bench Turret Lathe.



10"—1" Collet South Bend Tool Room Underneath Motor Drive Precision Bench Lathe.



9" Model A South Bend Horizontal Motor Drive Precision Bench Lathe.

The importance of selecting the *Right* lathe for every shop need is emphasized today by the urgent demand for increased production resulting from our present national emergency. Maximum production at minimum cost can be attained only when the lathe is matched perfectly with the job.

Consider the work to be done, then choose the size and type of lathe that will give the most efficient service. Remember that versatility and precision are important in a tool room lathe. For manufacturing operations, a lathe must also have plenty of power, speed, and stamina.

SOUTH BEND, INDIANA, U.S.A.

South Bend Lathes are made in a variety of sizes and types that will efficiently handle a wide range of metal working requirements. They can be supplied with equipment for precision tool room work, manufacturing operations, general machine work, and for many special classes of service.

Consult our Engineering Department about the lathe best suited to your work. We do no special tooling and make no special machines, but we will gladly give you our recommendation. A copy of our new Catalog No. 100-B describing all sizes and types of South Bend Lathes will be sent on request.

