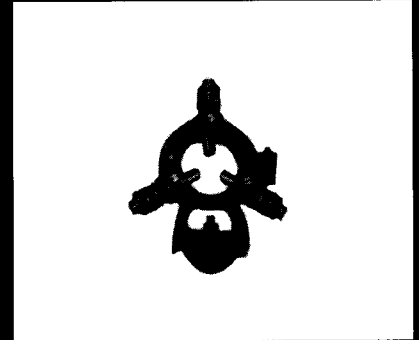
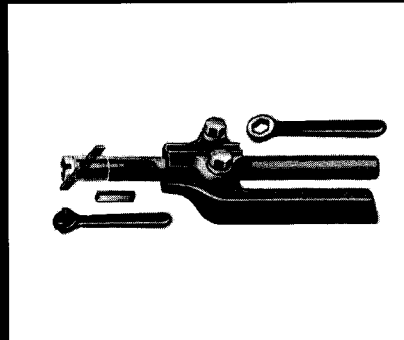
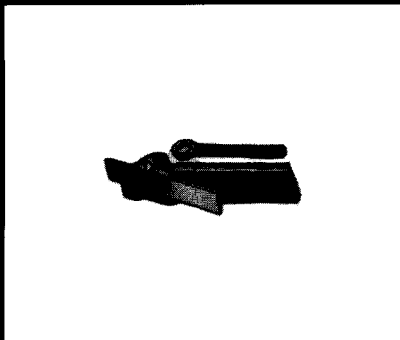
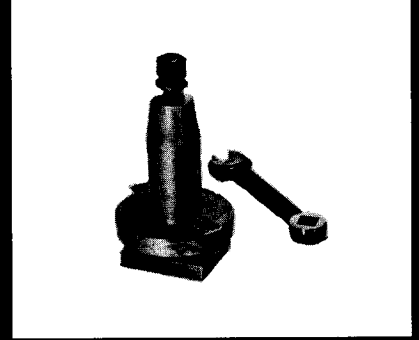
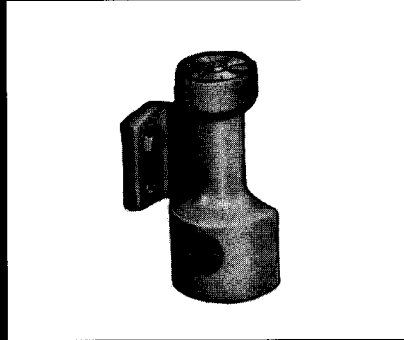
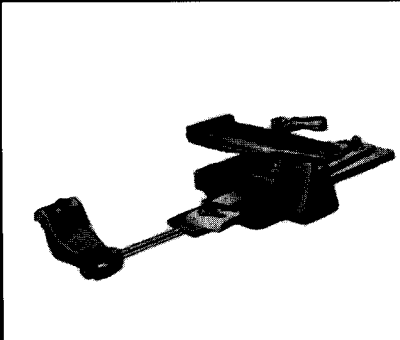
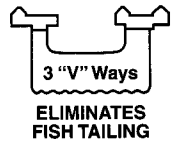


Over 90 Years
of Experience in
Lathe Building

South Bend Lathe Corp.

LATHE ACCESSORIES



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American company!

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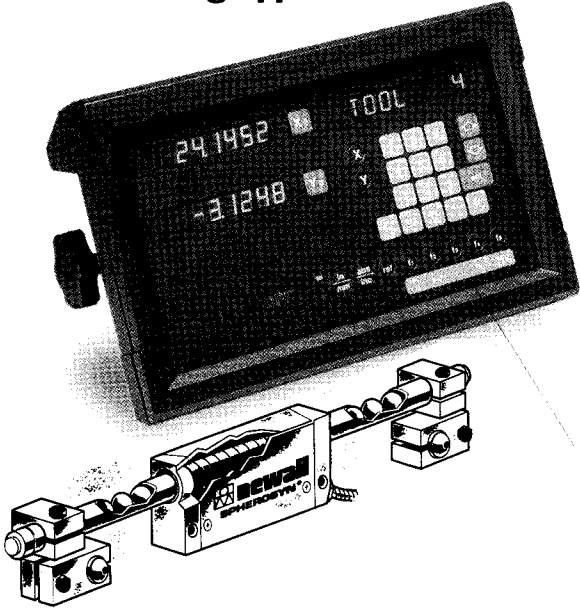
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Precision Machine Tools Since 1906

DP7 Lathepac

For Turning Applications

- No more broken or scratched glass.
- Priced less than many glass based systems.
- No more cleaning or regular maintenance.
- Vibration resistant.
- Tolerant to magnetic interference.
- Lifetime Scale Warranty.



Specifications

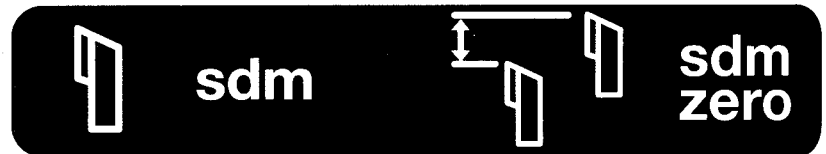
Spherosyn
Scale Travel Lengths: 4" to 60" in 2" increments and up to 360" in 4" increments
Slew Rate: 4800 inches per minute (2m/sec)
Repeatability: Within one resolution count
Accuracy: +/- 10µ + (5µ/m)
Resolution: 0.0002"/0.0005" switchable
Output: 2.0V +/- 0.5rms, 1kHz phase analog, 360° per 12.7 mm

99 Tool Offsets: Allows the operator to retain all the dimensional data even after tool changes. No more "stop and measure" means faster production, less scrap and greater machining accuracy.

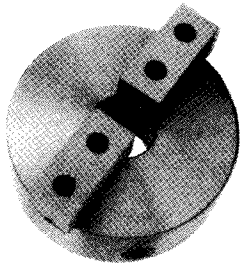
199 Points of Programmable Memory: Part programs can be used in conjunction with the tool offset feature making multiple part runs simple and consistently accurate.

Tool Library: Tool lengths and offsets are entered via the message prompt. The tool library is retained in a 30 day battery backed up memory.

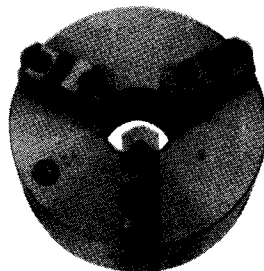
Store Position: Programs can be entered even while turning the first part.



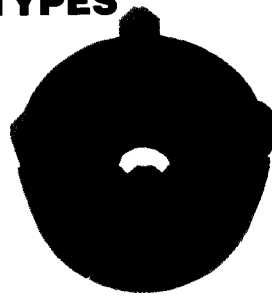
CHUCK TYPES



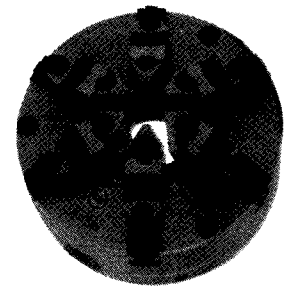
**2 Jaw
Self-Centering**



**3 Jaw
Self-Centering**



**4 Jaw
Independent**



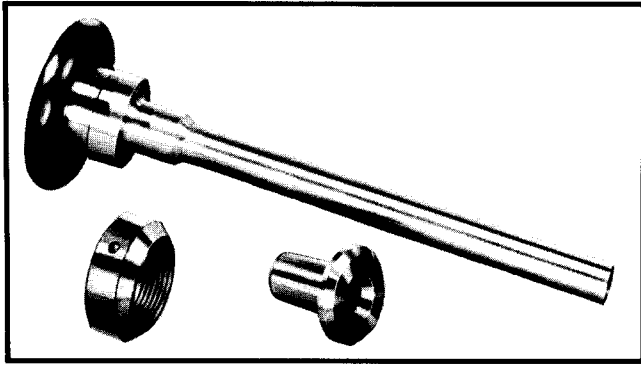
**6 Jaw
Adjustable**

Self-Centering Chucks are ideal for gripping cylindrical or concentric work because all jaws work in unison and automatically center the piece. Independent chucks are suited for gripping irregularly shaped workpieces or for eccentric operations because jaws work independently. Adjustable chucks operate like a self-centering chuck but are used where extreme accuracy is required. User may adjust within .0005 T.I.R.

HOW TO ORDER ATTACHMENTS

Many practical attachments and accessories designed especially for South Bend machine tools are shown in this catalog. Most of them may be ordered, either with the machine or later. You will save time and expense by selecting a wide range of appropriate equipment for the most efficient lathe operation.

When ordering attachments, chucks, or tools for South Bend Lathes, always state the swing of the lathe and also give the serial number of the lathe, which is stamped on top of the lathe bed at the tailstock end between the front V-way and the flat way, or may be found on the plate affixed to the bed.



HANDWHEEL COLLET ATTACHMENTS

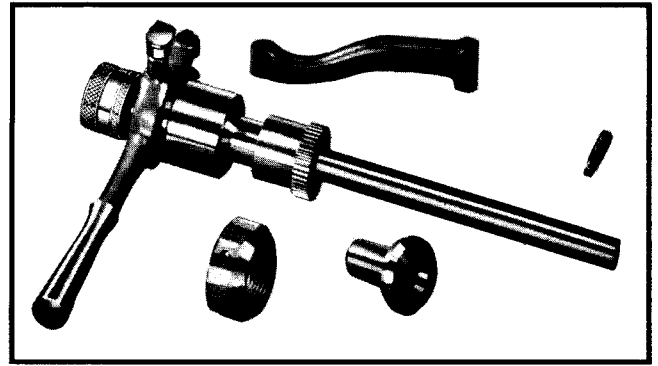
A great time saver, especially when extremely accurate centering is required. Bar and tube stock can be fed through the hollow drawbar which operates the collet. When handwheel is tightened, collet automatically grips and centers work. Equipment includes steel drawbar with handwheel, spindle nose cap, and heat-treated steel closing sleeve if required.

FOR 4" TYPE D1 CAM LOCK SPINDLE

Catalog Number	Size of Lathe	Collet Used	Max. Collet Cap.	Shipping Weight
CB4306L	10"—1 1/16" Collet	5-C	1 1/16"	10 lbs.
CB4306T	13"	5-C	1 1/16"	14 lbs.
CB4306H	16"—16-24"	5-C	1 1/16"	15 lbs.

FOR THREADED SPINDLE

CL4306N	9"	3-C	1/2"	5 lbs.
CL4306K	10-K	6K	5/8"	5 lbs.
CL4306L	10"—1 1/16" Collet	5-C	1 1/16"	10 lbs.
CL4306Q	13"	5-C	1 1/16"	14 lbs.
CL4306H	16"—16-24"	5-C	1 1/16"	15 lbs.



HANDLEVER COLLET ATTACHMENTS

Speed and accuracy are combined in the Handlever Collet Attachment. Without stopping the lathe spindle, the collet can be released, bar stock fed through the spindle, and the collet tightened again. Equipment includes adjustable chuck closing mechanism and hollow drawbar, spindle nose cap, and heat-treated steel closing sleeve if required.

FOR 4" TYPE D1 CAM LOCK SPINDLE

Catalog Number	Size of Lathe	Collet Used	Max. Collet Cap.	Shipping Weight
CB5206L	10"—1 1/16" Collet	5-C	1 1/16"	20 lbs.
CB5206T	13"	5-C	1 1/16"	25 lbs.
CB5206TT	14"	5-C	1 1/16"	25 lbs.

FOR THREADED SPINDLE

CL5206K	10-K	6K	5/8"	10 lbs.
CL5206L	10"—1 1/16" Collet	5-C	1 1/16"	20 lbs.
CL5206Q	13"	5-C	1 1/16"	25 lbs.
CL5206H	16"—16-24"	5-C	1 1/16"	32 lbs.

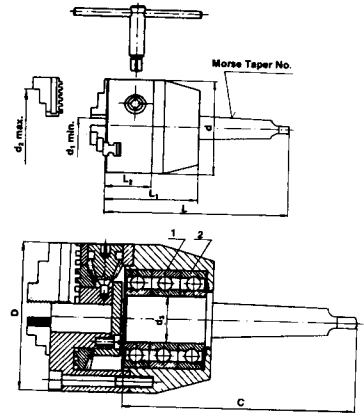
SELF-CENTERING ROTATING CHUCKS

BUY STEEL COLLETS IN COMPLETE SETS

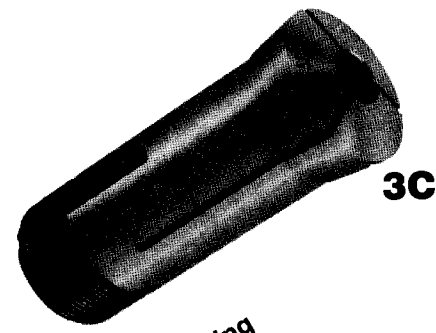
Collet No.	Collets in Set	Ship. Wt. Lbs.	Sizes of Collets	Cat. No.
3-C	8	3	1/16" to 1/2" in 16ths	CE3065
	7	3	3/32" to 19/32" in odd 32nds	CE3066
	14	6	5/64" to 31/64" in odd 64ths	CE3067
6K	10	7	1/16" to 5/8" in 16ths	CE3068
	9	7	3/32" to 19/32" in odd 32nds	CE3069
	18	12	5/64" to 39/64" in odd 64ths	CE3070
5-C	16	11	1/16" to 1" in 16ths	CE3077
	15	11	3/32" to 31/32" in odd 32nds	CE3078
	30	20	5/64" to 63/64" in odd 64ths	CE3079

SOUTH BEND STEEL COLLETS

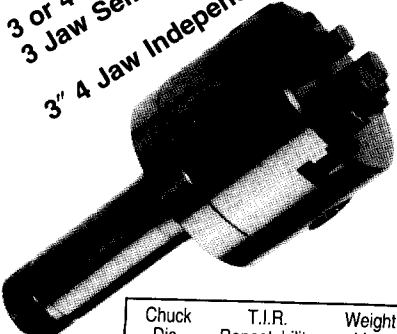
Catalog Number	Collet No.	Size of Lathes Used on	Collet Capacities for Round Work	Shipping Weight
CE3050	3-C	9"	1/16" to 1/2" in 64ths.	6 ozs.
CE3051	6K	10-K	1/16" to 5/8" in 64ths.	8 ozs.
CE3054	5-C	10", 13", 14", 16", 16-24" 1 1/16" Col.	1/16" to 1 1/16" in 64ths.	1 lb.



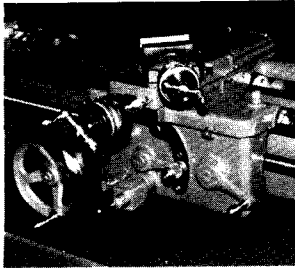
Chuck Size	Max Speed R.P.M.	Morse Taper No.	Weight Lbs.	Ordering Number
3"	4000	2	8.0	09673120
4	3500	3	13.5	09673146
5	3200	4	24.5	09673161
6	3000	5	33.7	09673187



3 or 4" Dia.
3 Jaw Self-Centering
3" 4 Jaw Independent



Chuck Dia.	T.I.R. Repeatability	Weight Lbs.	Ordering Number
3"	.003	5	09670522
4	.003	9	09670548



INCH/METRIC DIALS

Provide inch or metric capability on compound and/or Crossfeed dials. Available for new machines or as field retrofit.

CROSSFEED AND COMPOUND REST DIALS - FACTORY INSTALLED

Cat. No.	Size Lathe
CL2540K*	10K
CL2550T	13" & 14"
CL2550H	16" & 16/24
CL2550GJ	17" & 20"

*Sold only as kit for customer installation.

CROSSFEED DIALS FOR CUSTOMER INSTALLATION

Cat. No.	Size Lathe
CL2551T	13", 14"
CL2551H	16", 16/24
CL2551GJ	17", 20"

COMPOUND REST DIALS FOR CUSTOMER INSTALLATION

Cat. No.	Size Lathe
CL2542KD	10"
CL2552TH	13", 14", 16", 16/24
CL2552GJ	17", 20"

SJOGREN SPINDLE NOSE COLLET CHUCKS & COLLETS

Fit D1-8" Camlock Spindle Nose.

CE917GJ. 1/8" to 1 3/8" capacity.

CE3017. #2J Collets for above.

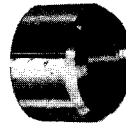
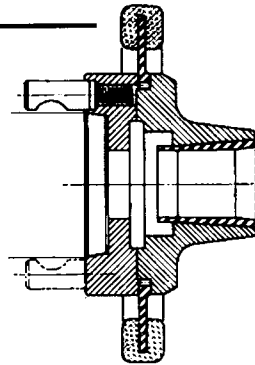
CE918GJ. 1/8" to 1 3/4" capacity.

CE3018. #3J Collets for above.

CE919GJ. 1/8" to 2 1/4" capacity.

CE3019. #22J Collets for above.

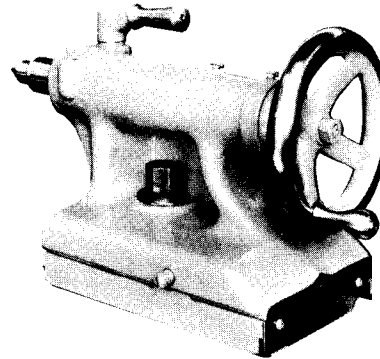
Note: Collets are available in increments of 1/64". Specify size.



HARDENED TAPER TAILSTOCK SPINDLE

Can be supplied for 10" South Bend Lathes. They are recommended for lathes that are to be used with taper shank tools in tailstock for drilling, reaming, and similar operations. If wanted in lieu of regular tailstock spindle, they must be specified when lathe is ordered.

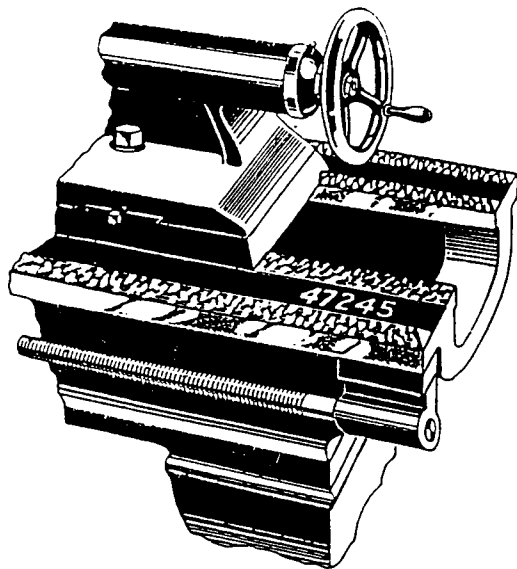
Size Lathe	In Lieu of Regular Tailstock Spindle Catalog Number	As An Extra	
		Catalog Number	Ship Wt.
10"	CL3870R	CL3875R	2 lbs.



COMPLETE TAILSTOCK ASSEMBLIES

Standard set-over type tailstock can be supplied for replacement of lost or damaged units.

Catalog No.	Size Lathe	Shipping Weight
CL2036 K	10K	22 lbs.
CL2036 R	10"	42 lbs.
CL2036 H	16"	133 lbs.
CL2036GJ	17"	150 lbs.

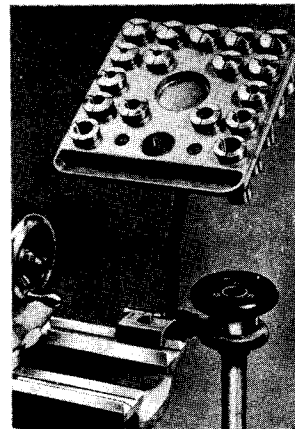


Serial
Number

IMPORTANT NOTICE

PLEASE SPECIFY THE SERIAL NUMBER OF YOUR LATHE WHEN ORDERING REPAIR PARTS OR REQUESTING QUOTATIONS.

SOUTH BEND LATHE PARTS DEPT.



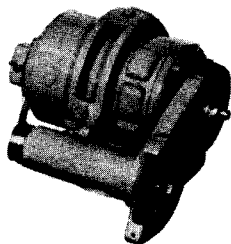
COLLET RACK

This Collet Rack provides a convenient place for keeping collets, centers, spindle sleeve and drawbar. Recess along lower edge of collet rack is provided for holding spanner wrench. Clamp for attaching to back V-way of lathe bed is supplied.

COLLET RACKS FOR SOUTH BEND LATHES

Catalog Number	Size of Lathe	Rack Holds	Shipping Weight
CE1770K	10-K	19 Collets	9 lbs.
CE1770L	10"—1 1/16" Collet	17 Collets	10 lbs.
CE1770Q	13", 14"	17 Collets	12 lbs.
CE1770H	16"—16-24"	17 Collets	15 lbs.

TOOL POST GRINDER GRINDING ATTACHMENTS



EXTERNAL GRINDING ATTACHMENTS

Supplied with 1/4 h.p. constant speed motor and 4" x 1/2" CE2759 grinding wheel. Spindle speed is approximately 5275 r.p.m. Clamp bolt equipment is not included. See below.

Catalog Number	Motor Specifications			Shipping Weight
	Phase	Cycle	Volts	
CE301B	1	60	115	43 lbs.

CLAMP BOLT EQUIPMENT

The Clamp Bolt Equipment required for various sizes of South Bend Lathes is listed in the table below. Be sure to include this when ordering a grinding attachment.

Catalog Number	Size Lathe	Shipping Weight
CE307NK	9" & 10-K	1 lb.
CE307R	10"	1 lb.
CE307T	13"	3 lbs.
CE307H	16"—16-24"	4 lbs.
CE307GJ	17" & 20"	5 lbs.

GRINDING WHEELS

The grinding wheels listed below cover the more important classes of work. They are 4" in diameter with 1/2" face and 1/2" hole, to fit external grinding attachment. Shipping weight 2 lbs. each.

Cat. No.	Type of Work	Class of Work
CE2759	General Work	Rough or Finish
CE2758	Cutting Tools	Rough or Finish
CE2774	Automobile Valves	Rough or Finish
CE2757	Cast Iron	Finish Grinding
CE2769	Soft Steel	Finish Grinding

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CUP GRINDING WHEELS

3 1/4" outside diameter, 1 1/4" face, 1/2" hole for use with External Grinding Attachment. Used for sharpening reamers, milling cutters, etc.

CE3236. Cup Grinding Wheel. Ship wt. 2 lbs.



LARGE FACE PLATES

Heavily constructed and ribbed on back. Accurately machined and ground with milled thread for precision fit on lathe spindle. Slots provided for clamping work or fixtures.

FOR TYPE D1 CAM LOCK SPINDLES:

Catalog No.	Size Lathe	Outside Dia.	Spindle Nose	No. of Slots	Shipping Weight
CB2180L	10"—11 1/16" Collet	8 3/8"	4" D1	8	10 lbs.
CB2180T	13", 14"	10 3/4"	4" D1	8	19 lbs.
CB2180FH	16"—16-24"	13 1/4"	4" D1	8	38 lbs.
CL2180GL	17", 20"	15"	8" D1	6	70 lbs.

FOR THREADED SPINDLES:

CL2180NK	9" and 10-K	7 3/8"	1 1/2"—8	6	8 lbs.
CL2180L	10"—1 1/16" Collet	8 3/8"	2 1/4"—8	8	10 lbs.
CL2180Q	13"	10 3/4"	2 1/4"—8	8	19 lbs.
CL2180V*	16-24"	22 3/4"	2 3/8"—6	12	96 1/2 lbs.

*This is an extra large face plate for mounting large diameter work in 16-24" lathe only.



SMALL FACE PLATES

Heavily constructed and accurately finished with milled thread for precision fit on lathe spindle. Have slot for driving lathe dog.

FOR TYPE D1 CAM LOCK SPINDLES:

Catalog No.	Size Lathe	Outside Dia.	Spindle Nose	No. of Slots	Shipping Weight
CB2175LT	10"—1 1/16" Collet 13", 14"	5 5/8"	4" D1	1	5 lbs.
CB2175FH	16"—16-24"	8 1/16"	4" D1	1	13 lbs.
CB2175GL	17", 20"	8 7/8"	8" D1	1	35 lbs.

FOR THREADED SPINDLES:

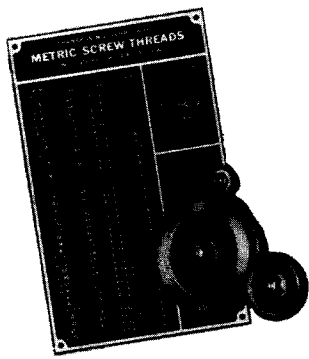
CL2175NK	9" and 10-K	5 1/8"	1 1/2"—8	1	4 lbs.
CL2175L	10"—1 1/16" Collet	5 5/8"	2 1/4"—8	1	5 lbs.
CL2175Q	13"	6 5/8"	2 1/4"—8	4	4 lbs.



MULTI-TAPPED FACE PLATES

Have six slots and thirty tapped holes for clamping work or special work holding fixtures. The cored slots are 7/16" wide, and the tapped holes have 5/16"—18 threads. Plates are 7/8" thick.

Catalog No.	Size Lathe	Outside Diameter	Spindle Thread	Shipping Weight
CL1483NK	9" & 10-K	8 1/2"	1 1/2"—8	13 lbs.



METRIC TRANSPOSING GEARS

Permit right-hand and left-hand metric threads to be cut (in addition to the regular English pitches) on South Bend Lathes having an English lead screw. When "English" lathes are ordered with metric transposing gears, the graduations on the tailstock spindle, the

cross-feed screw, and the compound rest screw are supplied with English graduations and the compound rest screw and cross-feed screw have English pitch threads. Any deviation will be handled on a special order basis. Attachments for single tumbler gear box are not available.

METRIC TRANSPOSING GEARS

Size of Lathe	With English Graduations Catalog Number
10K	CL1955NK
10"	CL1955R
13"	CL1955T
16" — 16-24"	CL1955H
17"	CL1955GJ
20"	CL1955GL

LATHE DOGS

Should correspond in capacity with diameter of work to be held. Malleable iron. Hollow, headless set screws.

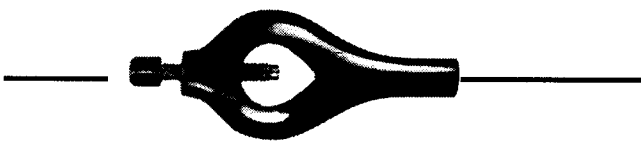
Catalog Number	Cap. In.	Ship. Wt.	Catalog Number	Cap. In.	Ship. Wt.
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LATHE DOGS FOR 13" — 16-24" AND LARGER LATHES

CE3826	1/2	1 lb.	CE3832	2	4 lbs.
CE3827	3/4	1 lb.	CE3833	2 1/2	5 lbs.
CE3828	1	2 lbs.	CE3834	3	6 lbs.
CE3829	1 1/4	2 lbs.	CE3835	3 1/2	7 lbs.
CE3830	1 1/2	3 lbs.	CE3836	4	9 lbs.
CE3831	1 3/4	3 lbs.			

LATHE DOGS FOR 9" AND 10" LATHES

CE3821	1/2	1 lb.	CE3823	1	2 lbs.
CE3822	3/4	2 lbs.	CE3824	1 1/4	3 lbs.
			CE3825	1 1/2	3 lbs.



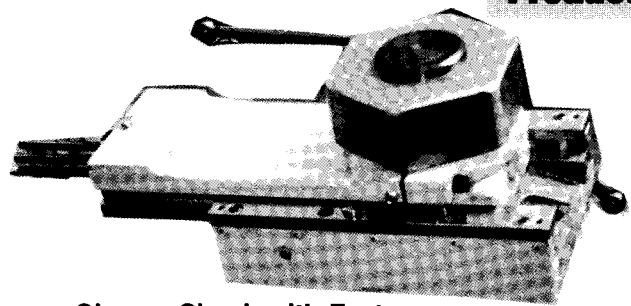
SETS OF LATHE DOGS

Having the correct size of lathe dog at hand for any job will more than compensate for the cost of a full set. Two or more dogs of each size will often save time on production work, as this permits changing one dog while the other is in use.

Cat. No. CE2103. Set of 11 Lathe Dogs, 1/2" to 4" capacity for 13" and larger lathes. Ship. wt. 36 lbs.

Cat. No. CE2107. Set of 5 Lathe Dogs, 3/8" to 1 1/2" capacity for 9" and 10" lathes. Ship. wt. 6 lbs.

Save Time
for Increased
Productivity!



Sizes — Check with Factory

TAPER REDUCING SLEEVES

Standard Morse Taper Reducing Sleeves for fitting drills, reamers, and other taper shank tools to spindle taper of lathe or other machine.

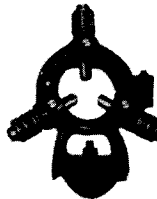


Catalog No.	Morse Taper		Shipping Weight
	Outside	Inside	
CE2525	2	1	8 ozs.
CE2526	3	1	12 ozs.
CE2527	3	2	12 ozs.

STEADY RESTS AND FOLLOWER RESTS

TELESCOPING JAW STEADY REST

Wrenchless adjustment and locking of jaws. Tops are hinged to facilitate inserting and removing shafts or bars. Clamp to inside of bedway. Jaws and other parts are replaceable.



Catalog Number	Size Lathe	Maximum Capacity	Minimum Capacity	Shipping Weight
CL2400N	9 inch	3 in.	3/16 in.	11 lbs.
CL2400K	10-K	3 in.	3/16 in.	11 lbs.
CL2400R	10 inch	3 in.	3/16 in.	13 lbs.
CL2400T	13 inch	3 3/4 in.	3/16 in.	21 lbs.
CL2400TT	14 inch	3 3/4 in.	3/16 in.	21 lbs.
CL2400H	16 inch	4 3/4 in.	3/16 in.	30 lbs.
CL2400GJ	17 inch	6 in.	3/16 in.	50 lbs.

CL2400GL 20 inch

TELESCOPING JAW FOLLOWER REST

The follower rest is attached to the lathe carriage and travels with it. Used to support long, slender shafts while being machined between the lathe centers.

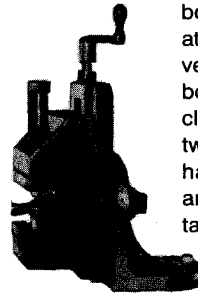
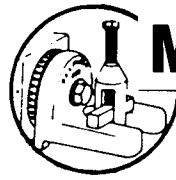


Catalog Number	Size Lathe	Maximum Capacity	Minimum Capacity	Shipping Weight
CL2395N	9 inch	2 in.	3/16 in.	7 lbs.
CL2395K	10-K	2 in.	3/16 in.	7 lbs.
CL2395R	10 inch	2 1/2 in.	3/16 in.	9 lbs.
CL2395T	13 inch	3 3/4 in.	3/16 in.	11 lbs.
CL2395TT	14 inch	3 3/4 in.	3/16 in.	11 lbs.
CL2395H	16 inch	4 3/4 in.	3/16 in.	17 lbs.
CL2395GJ	17 inch	4 3/4 in.	1/8 in.	35 lbs.
CL2395GL	20 inch	4 3/4 in.	1/8 in.	40 lbs.

Vises

MODEL	JAW WIDTH	JAW DEPTH	JAW OPENING	TABLE DIAMETER	FITS TOOL POST TO (DIA)	VERTICAL TRAVEL	WEIGHT (LBS)
150V	1 1/2	1	1 1/2	—	1	2	5
250V	2 7/16	1 1/2	2 1/2	—	1 1/4	3	12
400V	4	1 3/4	4	—	1 3/4	4	36
800	—	—	—	8	1 3/4	4	35

Mount the milling attachment to the tool post and the cutting tool in the lathe's chuck. The machining versatility is endless.



MILLING ATTACHMENTS

They mount on the compound rest base, 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 and vertical planes. Includes: 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.

Catalog No.

C.L. 2680 NR-150V
(For 9" - 10K - 10" Lathes)

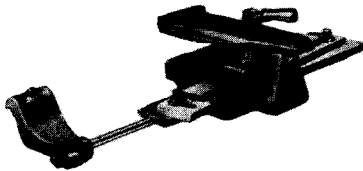
Shipping Wt. 65Lbs. \$ _____

C.L. 2680 T-250V
(For 13-14" Lathes)

Shipping Wt. 70Lbs. \$ _____

C.L. 2680 H-400V
(For 16" & 16/24" Lathes)

Shipping Wt. 74Lbs. \$ _____



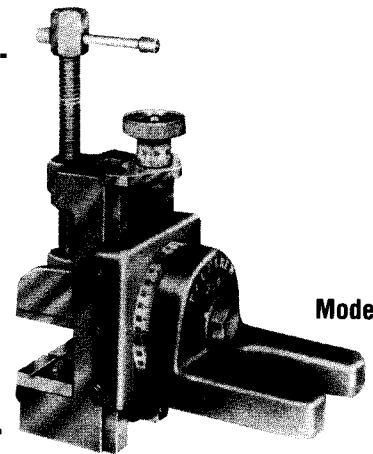
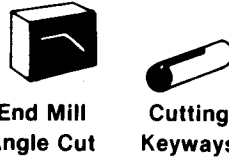
TAPER ATTACHMENT

Supplied on 10" 11/16" Collet and larger lathes. A telescopic cross-feed screw eliminates the necessity of disconnecting the cross-feed nut when 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. A plain taper attachment is supplied for the 9" and 10-K lathes.

TAPER ATTACHMENT WITH ENGLISH GRADUATIONS

Catalog Number	Size of Lathe	Swing Over Cross Slide	Maximum Taper			Approx. Shipping Weight
			At One Setting	Per Foot	In Degrees	
CL428NK	9"	5"	7"	3 1/2"	16 1/2	35 lbs.
CL428NK	10-K	5 7/8"	7"	3 1/2"	16 1/2	35 lbs.
CL1545R	10"	5 3/4"	8 1/2"	3 1/2"	16 1/2	40 lbs.
CL1545T	13"	8"	9 1/4"	3 1/2"	16 1/2	65 lbs.
CL1545TT	14"	8"	9 1/4"	3 1/2"	16 1/2	65 lbs.
CL1545H	16"	9 5/8"	11 1/2"	3 1/2"	16 1/2	100 lbs.
CL1545H	16-24"	18 3/4"	11 1/2"	3 1/2"	16 1/2	100 lbs.



Model 250V

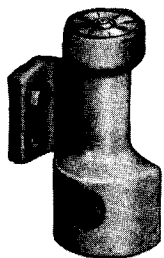
Example Operations



PLAIN MILLING ARBORS

For milling cutters with 1-inch hole. Have No. 3 Morse taper shank, nut and spacing collars.

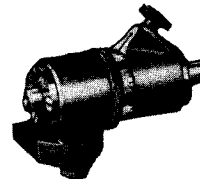
CE109. Plain Arbor. Ship. wt. 3 lbs.



THREAD INDICATOR

Eliminates reversing the lathe spindle when cutting threads. Dial is numbered and graduated to show when to close half-nuts on lead screw to catch the thread on each successive cut.

Catalog Number	Size Lathe	Shipping Weight
CL810NK	9" & 10-K	2 lbs.
CL810R	10"	3 lbs.
CL810TH	13", 14", 16"—16-24"	5 lbs.
CL810GJ	17", 20"	5 lbs.

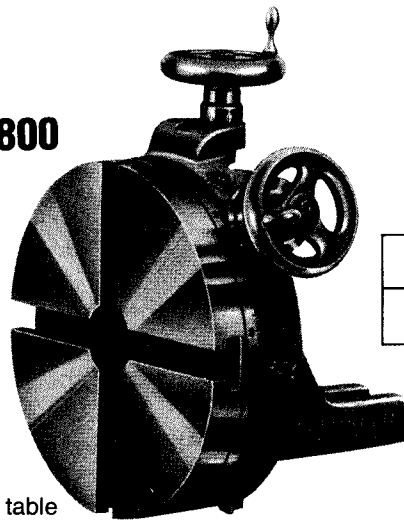
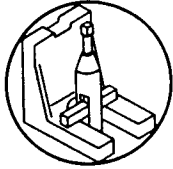


MICROMETER CARRIAGE STOPS

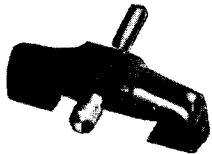
Have accurately graduated micrometer collars. Stops may be locked for repetitive operations on duplicate work.

Catalog Number	Size Lathe	Shipping Weight
CL968NK	9" & 10-K	2 lbs.
CL968R	10"	4 lbs.
CL968T	13"	4 lbs.
CL968TT	14"	4 lbs.
CL968FH	16"—16-24", 17", 20"	7 lbs.

Rotary Indexing Lathe Attachment No. 800



This versatile unit provides an 8" diameter table surface for vise, fixture, or workpiece mounting. The table top and single feed are similar to those on the Model 83 rotary indexing table described on page 19. The vertical slide includes adjustable gibs with three adjusting and locking screws. Two clamps lock the face plate when required for straight cutting. Distance from tool post to face is 4³/₈". Overall height is 11³/₈".



THREAD CUTTING STOPS

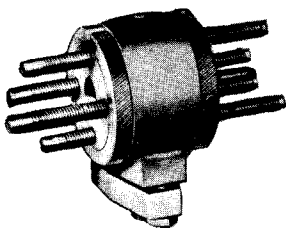
Used to regulate the depth of cut for each successive chip when cutting screw threads.

Catalog Number	Size Lathe	Shipping Weight
CL2250NK	9" & 10-K	1/2 lb.
CL2250R	10"	1/2 lb.
CL2250T	13" & 14"	1 lb.
CL2250H	16"	2 lbs.
CL2251GJ	17", 20"	2 lbs.

SBL

South Bend Lathe Corp.

400 West Sample Street • South Bend, IN 46601 • U.S.A.
219-289-7771 • Fax: 219-236-1210 • 1-800-24-LATHE



FOUR POSITION CARRIAGE STOPS

Each of the four adjustable stops may be set for a different tool position and may be revolved into position to locate the carriage for each of four successive cuts.

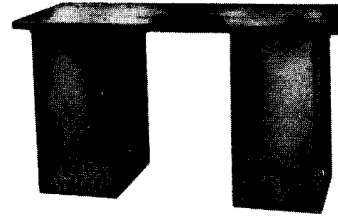
Catalog Number	Size Lathe	Shipping Weight
CL2185R	10"	6 lbs.
CL2185T	13", 14"	6 lbs.
CL2185FH	16"—16-24"	10 lbs.
CL2185GJ	17", 20"	10 lbs.



DIE HOLDER

Die holder has 1/2" hole, 3" deep for stock clearance.

Catalog Number	Takes Dies	Taper Shank	Shipping Weight
CE1829	1" Diameter	No. 2	2 lbs.
CE1838	1 1/2" Diameter	No. 2	2 lbs.



MODERN CABINET STYLE BENCH

Designed especially for 9" and 10K lathes with horizontal motor drive.

The top is 25" x 60" x 1 3/4" thick. Cabinet legs are 16" wide by 21" deep and each

is provided with an adjustable steel shelf and door handle.

Bench is shipped unassembled in three units. Necessary hardware for assembling is included.

CE1731. Cabinet Style Bench 34" high with Hardwood Top. Shipping weight 210 lbs.

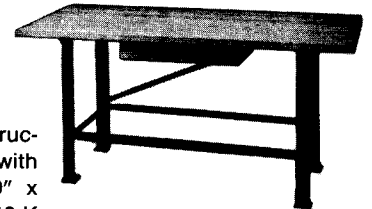
ANGLE STEEL BENCH

Heavy angle steel construction, 29 3/4" or 34" high with hardwood top 25" x 60" x 1 3/4" thick. For 9" and 10-K Horizontal Motor Driven Bench Lathes, any bed length.

Bench is shipped knocked down with all necessary bolts for assembling.

CE1780. Steel Bench 29 3/4" high with wood top (less drawer). Shipping weight 124 lbs.

CE1849. Same as above but 34 9/16" high.



GRAY FINISH ENAMEL

For refinishing and touching up South Bend Lathes, Drill Presses, Shapers, and other machine tools. Cannot be shipped by parcel post.

Catalog Number	Size Can	Number of Cans	Shp. Wt.
CE3421	Pint	1	2 lbs.
CE3422	Quart	1	4 lbs.
CE3423	Gallon	1	12 lbs.

TURNING TOOL HOLDERS



Straight

Right-Hand

Left-Hand

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

Catalog Number	Size Lathe	Size Shank	Size Cutter	Ship. Wt.
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STRAIGHT SHANK TURNING TOOL HOLDERS

CE846S	9", 10-K & 10"	3/8" x 7/8"	1/4" x 1/4"	2 lbs.
CE852S	13" & 14"	1/2" x 1 1/8"	5/16" x 5/16"	3 lbs.
CE853S	16"—16-24"	5/8" x 1 3/8"	3/8" x 3/8"	3 lbs.

RIGHT-HAND TURNING TOOL HOLDERS

CE846R	9", 10-K & 10"	3/8" x 7/8"	1/4" x 1/4"	2 lbs.
CE852R	13" & 14"	1/2" x 1 1/8"	5/16" x 5/16"	3 lbs.
CE853R	16"—16-24"	5/8" x 1 3/8"	3/8" x 3/8"	3 lbs.

LEFT-HAND TURNING TOOL HOLDERS

CE846L	9", 10-K & 10"	3/8" x 7/8"	1/4" x 1/4"	2 lbs.
CE852L	13" & 14"	1/2" x 1 1/8"	5/16" x 5/16"	3 lbs.
CE853L	16"—16-24"	5/8" x 1 1/8"	3/8" x 3/8"	3 lbs.

CUTTING-OFF TOOL HOLDERS



Straight

Right-Hand

Left-Hand

Include tool holder, one cutter blade and wrench.

Catalog Number	Size Lathe	Size Shank	Size Cutter	Ship. Wt.
----------------	------------	------------	-------------	-----------

STRAIGHT SHANK CUTTING-OFF TOOL HOLDERS

CE833S	9", 10-K & 10"	3/8" x 1 3/16"	3/32" x .595"	1 lb.
CE736S	9", 10-K & 10"	5/16" x 1 3/16"	5/64" x .475"	2 lbs.
CE883S	13" x 14"	1/2" x 1 1/8"	1/8" x .735"	3 lbs.
CE884S	16"—16-24"	5/8" x 1 3/8"	1/8" x .870"	3 lbs.

RIGHT-HAND CUTTING-OFF TOOL HOLDERS

CE833R	9", 10-K & 10"	3/8" x 1 3/16"	3/32" x .595"	1 lb.
CE736R	9", 10-K & 10"	5/16" x 1 3/16"	5/64" x .475"	2 lbs.
CE883R	13" & 14"	1/2" x 1 1/8"	1/8" x .735"	3 lbs.
CE884R	16"—16-24"	5/8" x 1 3/8"	1/8" x .870"	3 lbs.

LEFT-HAND CUTTING-OFF TOOL HOLDERS

CE883L	13" & 14"	1/2" x 1 1/8"	1/8" x .735"	3 lbs.
CE884L	16"—16-24"	5/8" x 1 3/8"	1/8" x .870"	3 lbs.

BLADES FOR CUTTING-OFF TOOL HOLDERS



Made from high-speed steel, heat-treated, hardened, ground on the edges.

Cat. No.	Size of Blade	Ship. Wt.
CE876	3/32" x .595" x 5"	5 ozs.
CE1192	3/32" x .475" x 4 1/2"	5 ozs.
CE878	1/8" x .735" x 5"	6 ozs.
CE879	1/8" x .870" x 6"	8 ozs.

CARBIDE TURNING TOOL HOLDERS FOR LATHES 17" AND LARGER



Straight

Right-Hand

Left-Hand

Include tool holder with hardened steel set screw and a hardened, drop-forged steel wrench. Cutter bit not included.

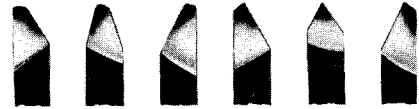
CE817S. Straight Carbide Turning Tool Holder. For 3/8" cutter bits. Shipping weight 3 lbs.

CE817R. Right-Hand Carbide Turning Tool Holder. For 3/8" cutter bits. Shipping weight 3 lbs.

CL817L. Left-Hand Carbide Turning Tool Holder. For 3/8" cutter bits. Shipping weight 3 lbs.

GROUND CUTTER BITS FOR TURNING TOOL HOLDERS

Finish ground and ready for use when mounted in tool holder. When ordering, be sure to specify the catalog numbers and the letters designating shapes of bits wanted.



A L.H. Turning
B Round Nose
C R.H. Turning
D L.H. Side
E Threading
F R.H. Side

Size Square Inch	Length Cutter Inches	Single Bit		Set of 6 Bits	
		Cat. No.	Ship. Wt.	Cat. No.	Ship. Wt.
1/4	2	CE1305	4 ozs.	CE1779	10 ozs.
5/16	2 1/2	CE1313	5 ozs.	CE1777	10 1/2 ozs.
3/8	3	CE1316	5 ozs.	CE1778	11 ozs.

UNGROUND CUTTER BITS

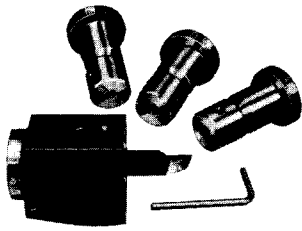
These cutter bits are made of good quality high-speed steel. They are heat-treated and hardened and are ready for use when sharpened.

UNGROUND HIGH SPEED STEEL CUTTER BITS

Catalog Number	Size Square	Length Cutter	Shipping Weight
CE3531	3/16"	1"	3 ozs.
CE3532	3/16"	1 1/2"	3 ozs.
CE3533	1/4"	2"	4 ozs.
CE3534	5/16"	2 1/2"	5 ozs.
CE3535	3/8"	3"	5 ozs.
CE3536	7/16"	3 1/2"	7 ozs.
CE3537	1/2"	4"	12 ozs.
CE3538	5/8"	4 3/8"	1 lb.

UNGROUND HIGH SPEED STEEL CUTTER BITS IN LOTS

Size Square Inch	Length Cutter Inches	Lot of 6 Bits		Lot of 24 Bits	
		Cat. No.	Ship. Wt.	Cat. No.	Ship. Wt.
3/16	1	CE2370	1 lb.
3/16	1 1/2	CE2371	1 lb.
1/4	2	CE1629	10 ozs.	CE2372	2 lbs.
5/16	2 1/2	CE1632	10 1/2 ozs.	CE2373	3 lbs.
3/8	3	CE1633	11 ozs.	CE2374	4 lbs.



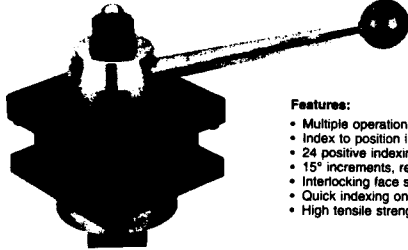
CUTTER BIT GRINDING BLOCKS

Just dial your angle and grind! These new cutter bit grinding blocks come complete with master block—4 bit holders— $\frac{3}{16}$ " , $\frac{1}{4}$ " , $\frac{5}{16}$ " and $\frac{3}{8}$ " capacity. Wrench included.

CE2168. Cutter Bit Grinding Block. Ship. wt. 3 lbs.

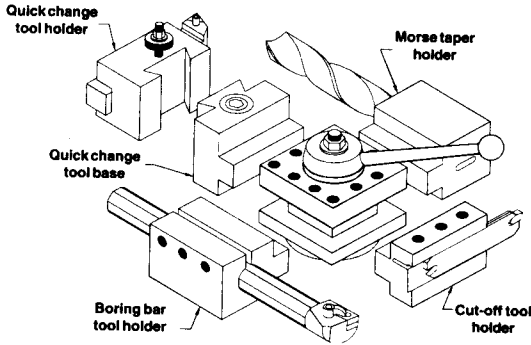
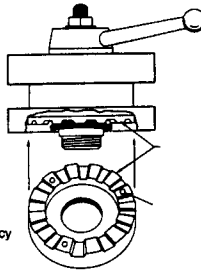
SQUARE INDEX TURRET

The Super-Precise Square Index Turret Tool Post



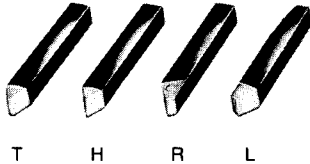
Features:

- Multiple operation tool post
- Index to position in one second
- 24 positive indexing positions
- 15° increments, repeatability within millionths
- Interlocking face spline system assures rigidity/accuracy
- Quick indexing one half turn of handle movement
- High tensile strength alloy steel for rigidity/precision



Lathe Swing
UP-12"
10-13
12-15
13-18
14-20"
17-24
13-20
16-24
18-32
20-48

GROUND CUTTER BITS FOR 10 IN 1 TOOL HOLDERS



For use in 10 in 1 tool holder listed above. Made in four shapes: T for turning, H for threading, R for facing on right side of work, and L for facing on left side of work. When ordering single bits be sure to specify shape wanted.

Size Square Inch	Length Cutter Inches	Single Bit		Set of 4 Bits	
		Cat. No.	Ship. Wt.	Cat. No.	Ship. Wt.
$\frac{3}{8}$	3	CE2267	5 ozs.	CE2776	1 lb.

COOLANT PUMP AND RESERVOIR FITTED TO 10" LATHE

Catalog Number	Lathe Size	Phase	Cycle	Voltage
CL501BR	10"	1	60	115



EXTRA TOOL POSTS

Made of heat-treated steel. Price includes tool post assembly complete.

Catalog No.	Size Lathe	Shipping Weight
CE2450 NK	9" & 10K	2 lbs.
CE2450 R	10"	2 lbs.
CE2450 T	13" & 14"	3 lbs.
CE2450 H	16"	5 lbs.
CE2450 GJ	17"	6 lbs.



KNURLING TOOLS

Holder is made of drop-forged steel, heat-treated and hardened. Knurls are made of tool steel, hardened and tempered. Supplied with medium diamond knurls only.

Cat. No.	Size Lathe	Shank Size	Ship. Wt.
CF893	13" & 14"	$\frac{1}{2}$ " x $\frac{1}{8}$ "	2 lbs.

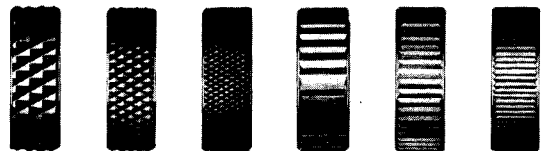


REVOLVING HEAD KNURLING TOOLS

Revolving head carries three sets of knurls for fine, medium and coarse diamond patterns.

Cat. No.	Size Lathe	Shank Size	Ship. Wt.
CE3615	9", 10-K & 10"	$\frac{3}{8}$ " x $\frac{7}{8}$ "	2 lbs.
CE3616	13" & 14"	$\frac{1}{2}$ " x $\frac{1}{8}$ "	2 lbs.
CE3617	16"—16-24", 17" & 20"	$\frac{5}{8}$ " x $\frac{1}{8}$ "	3 lbs.

EXTRA KNURLS FOR KNURLING TOOLS



Coarse Diamond Pattern Medium Diamond Pattern Fine Diamond Pattern Coarse Straight Pattern Medium Straight Pattern Fine Straight Pattern

For use with Knurling Tools and with 10 in 1 Tool Holder. Illustrations above show actual style of knurling produced. Supplied in pairs.

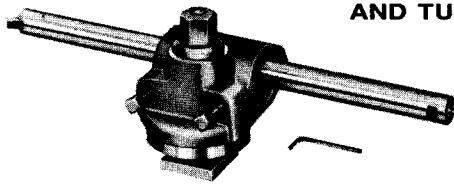
Catalog Number	Pattern	Size	Fits Knurling Tools	Ship. Wt.
CE3150†	Fine Diamond	$\frac{5}{8}$ " x $\frac{5}{16}$ "	CE820 & CE665	4 ozs.
CE3151†	Med. Diamond	$\frac{5}{8}$ " x $\frac{5}{16}$ "	CE820 & CE665	4 ozs.
CE3152†	Coarse Diamond	$\frac{5}{8}$ " x $\frac{5}{16}$ "	CE820 & CE665	4 ozs.
CE3153†	Fine Straight	$\frac{5}{8}$ " x $\frac{3}{16}$ "	CE820 & CE665	4 ozs.
CE3154†	Med. Straight	$\frac{5}{8}$ " x $\frac{5}{16}$ "	CE820 & CE665	4 ozs.
CE3155†	Coarse Straight	$\frac{5}{8}$ " x $\frac{5}{16}$ "	CE820 & CE665	4 ozs.
CE3156	Fine Diamond	$\frac{3}{4}$ " x $\frac{3}{8}$ "	CE893 & CE894	5 ozs.
CE3157	Med. Diamond	$\frac{3}{4}$ " x $\frac{3}{8}$ "	CE893 & CE894	5 ozs.
CE3158	Coarse Diamond	$\frac{3}{4}$ " x $\frac{3}{8}$ "	CE893 & CE894	5 ozs.
CE3159	Fine Straight	$\frac{3}{4}$ " x $\frac{3}{8}$ "	CE893 & CE894	5 ozs.
CE3160	Med. Straight	$\frac{3}{4}$ " x $\frac{3}{8}$ "	CE893 & CE894	5 ozs.
CE3161	Coarse Straight	$\frac{3}{4}$ " x $\frac{3}{8}$ "	CE893 & CE894	5 ozs.

†Fits all sizes of 10 in 1 Tool Holders.

WORK LIGHTS

When attached to the carriage the light travels with the cutting tool. With quick acting snap-on arrangement, light can be put into use or removed in seconds.

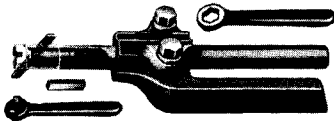
CE2815. Work Light for Lathe, including snap bolt for attaching to lathe bed. Shipping weight 5 lbs.



HEAVY DUTY BORING AND TURNING TOOLS

Holder takes bars from $\frac{3}{8}$ " up to capacity listed in tabulation. Tool may be swiveled to any angle and holder may be reversed for turning extra large diameters. Bar has slots for holding bit at 90° and 45°. Supplied either with or without boring bar.

Size Lathe	9" & 10-K	10"	13" & 14"	16" & 16-24"
Max. Bar Cap.	$\frac{3}{4}$ "	$\frac{3}{4}$ "	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "
Size Boring Bar	$\frac{3}{4}$ " x 12"	$\frac{3}{4}$ " x 12"	1" x 16"	1 $\frac{1}{8}$ " x 18"
Size Cutter Bit	$\frac{1}{4}$ " x $\frac{1}{4}$ "	$\frac{1}{4}$ " x $\frac{1}{4}$ "	$\frac{5}{16}$ " x $\frac{5}{16}$ "	$\frac{3}{8}$ " x $\frac{3}{8}$ "
Holder Only Cat. No. Ship. Wt. Lbs.	CE3677NK 3	CE3677R 3	CE3677T 5	CE3677H 7
Holder and Bar Cat. No. Ship. Wt. Lbs.	CE469NK 8	CE469R 8	CE469T 14	CE469H 18



STYLE "B" BORING TOOLS

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. Will take the following sizes of boring bars: No. **CE431**, $\frac{1}{4}$ " to $\frac{3}{4}$ "; No. **CE432**, $\frac{3}{8}$ " to 1".

Cat. No.	Size of Lathe	Size of Shank, Inches	Size Bar Inch	Size of Cutter, Inch	Ship. Wt. Lbs.
CE431	13" & 14"	$\frac{1}{2}$ x $1\frac{1}{8}$	$\frac{3}{4}$ x 11	$\frac{1}{4}$ x $\frac{1}{4}$	5
CE432	16", 16-24"	$\frac{5}{8}$ x $1\frac{3}{8}$	$1\frac{5}{16}$ x $13\frac{1}{4}$	$\frac{5}{16}$ x $\frac{5}{16}$	8



SOLID BORING BARS

For use with Style "B" and "D" Boring Tools and in the 10 in 1 Tool Holder. Can be ground for boring or internal thread cutting.

Cat. No.	Bar Inches	Ship. Wt.
CE3856	$\frac{1}{8}$ x 4	3 ozs.
CE3857	$\frac{3}{16}$ x $4\frac{1}{2}$	4 ozs.
CE3858	$\frac{1}{4}$ x 5	5 ozs.
CE3859	$\frac{5}{16}$ x 6	5 ozs.
CE3860	$\frac{3}{8}$ x 7	8 ozs.
CE3861	$\frac{7}{16}$ x 8	1 lb.

SLEEVE BORING BARS



For use with Style "B" and "D" Boring Tools, Heavy Duty Boring Tool and in the 10 in 1 Tool Holder. Sleeve can be adjusted to hold square high speed steel cutter bit at 45° and 90° angles for boring and inside thread cutting operations. Includes two cutter bits and wrench.

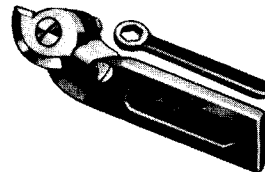
Cat. No.	Size of Bar	Size of Cutter Bit	Ship. Wt.
CE2419	$\frac{1}{2}$ " x $7\frac{5}{8}$ "	$\frac{3}{16}$ " x $\frac{3}{16}$ "	1 lb.
CE2420	$\frac{3}{4}$ " x 11"	$\frac{1}{4}$ " x $\frac{1}{4}$ "	2 lbs.
CE2421	$1\frac{1}{16}$ " x $13\frac{1}{4}$ "	$\frac{5}{16}$ " x $\frac{5}{16}$ "	4 lbs.



PLAIN BORING BARS

For use with 10 in 1 Tool Holder and other Boring Tool Holders. Bars will hold cutter bit at 45° and 90° angles. Includes cutter bit and wrench.

Cat. No.	Bar Size	Cutter Bit	Ship. Wt.
CE2943	$\frac{3}{4}$ " x 12"	$\frac{1}{4}$ " x $\frac{1}{4}$ "	3 lbs.
CE2944	1" x 16"	$\frac{5}{16}$ " x $\frac{5}{16}$ "	5 lbs.
CE2945	$1\frac{1}{8}$ " x 18"	$\frac{3}{8}$ " x $\frac{3}{8}$ "	7 lbs.



THREADING TOOLS

Includes threading tool holder, wrench and one high speed steel single point cutter. Choice of 60° cutter for U.S. Standard, V, or metric thread.

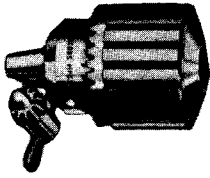
Cat. No.	Size of Lathe	Size of Shank	Ship. Wt.
CE867	13" & 14"	$\frac{1}{2}$ " x $1\frac{1}{8}$ "	3 lbs.
CE868	16"	$\frac{5}{8}$ " x $1\frac{3}{8}$ "	4 lbs.



EXTRA CUTTERS FOR THREADING TOOLS

Formed cutters properly heat-treated and ground, ready for use with Threading Tools described above. Made of high speed steel.

Catalog Number 60° Angle	Fits Thread Tools	Shipping Weight
CE3480	CE845 & CE648	3 ozs.
CE3481	CE867	4 ozs.
CE3482	CE868	5 ozs.



DRILL CHUCKS

Constructed so they will hold the drill securely and accurately. Jaws are tempered steel. Includes pinion key, but does not include arbor.

Catalog Number	Make of Chuck	Capacity of Chuck	Net Wt. Lbs.	Ship. Wt. Lbs.
CE1200	Jacobs	0 to 3/8 in.	1 1/8	1 7/8
CE1201	Jacobs	0 to 1/2 in.	1 3/4	2 3/8
CE1202	Jacobs	3/16 to 3/4 in.	3 1/8	3 1/2
CE1206	Jacobs	3/8 to 1 in.	6 5/8	7 1/2

TAPER ARBOR FOR DRILL CHUCKS

Have short taper to fit chuck and Morse taper shank to fit taper of lathe headstock spindle or tailstock spindle.

For Catalog Number	No. 2 Morse Taper		No. 3 Morse Taper	
	Cat. No.	Ship. Wt.	Cat. No.	Ship. Wt.
CE1200	CE2300	3/8 lb.	CE2301	3/4 lb.
CE1201	CE2302	1/2 lb.	CE2303	7/8 lb.
CE1202	CE2304	1/2 lb.	CE2305	3/4 lb.
CE1206	CE2306	1 1/8 lb.	CE2307	1 1/2 lb.
CE1200			CE8002	1 1/2 lb.
CE1201			CE8003	1 1/2 lb.
CE1202			CE8004	1 1/2 lb.
CE1206			CE8005	1 1/2 lb.

SEMI-MACHINED DRILL CHUCK ARBORS

Have either straight or taper shanks for fitting drill chucks and other tools to lathe spindle or turret head. Must be machined to fit drill chuck or other tool.

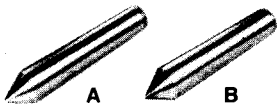
Cat. No.	Shank	Ship. Wt.
CE1500	No. 2 Morse Taper	1 lb.
CE1501	No. 3 Morse Taper	2 lbs.
CE8001	No. 3 Morse Taper	2 lbs.

TAPER ARBORS FOR 17" LATHES

#4 MT. Has tang to be used with CE1206, drill chuck.

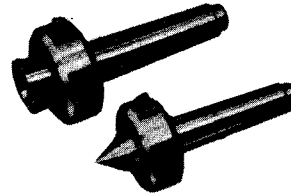
CE1217GJ, shipping weight 2 lbs.

CE1218GJ, same as above, but with #5 MT.



LATHE CENTERS

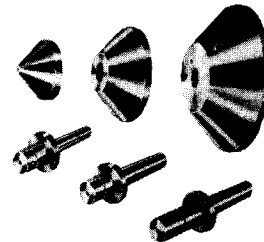
Description	No. 2 Morse Taper Shank		No. 3 Morse Taper Shank	
	Catalog Number	Ship. Wt.	Catalog Number	Ship. Wt.
A — 60° Center	CE2401	1 lb.	CE2402	2 lbs.
B — 60° Carbide Center	CE1889	1 lb.	CE1890	2 lbs.
A — 60° Center			CE8006	2 lbs.
B — 60° Carbide Center			CE8008	2 lbs.



BALL BEARING LIVE CENTERS

For high speeds and heavy roughing cuts. Available with a 60° external point or 60° hollow. Both are made with No. 2 and No. 3 Morse standard tapers.

Catalog Number	Style of Center	Morse Taper	Shipping Weight
CE3900	60° Point	No. 2	3 lbs.
CE3901	60° Point	No. 3	5 lbs.
CE3903	60° Hollow	No. 2	3 lbs.
CE3904	60° Hollow	No. 3	5 lbs.
CE3908	60° Point	No. 4	5 lbs.
CE3909	Extended Point	No. 4	5 lbs.
CE3910	60° Point	No. 5	10 lbs.
CE8011	60° Point	No. 3	5 lbs.



PIPE CENTERS

For mounting tubing, pipe, etc., between the lathe centers. Centers have accurately ground 90° cone, and revolve on steel shanks with plain bearings.

PIPE CENTERS

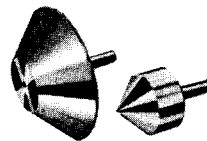
Catalog Number	Takes Pipe	Requires Shank	Shipping Weight
CE2160	1/2" to 3"	CE2172	2 lbs.
CE2161	3" to 5"	CE2174 or CE8015	6 lbs.

PIPE CENTER SHANKS

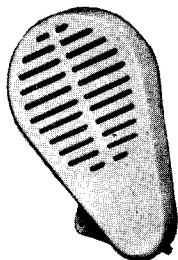
Catalog Number	Shank Taper	Takes Centers	Shipping Weight
CE2172	No. 2	CE2160 & CE2161	2 lbs.
CE2174	No. 3	CE2160 & CE2161	3 lbs.
CE8015	No. 3	CE2160 & CE2161	3 lbs.

BALL BEARING PIPE CENTERS

Fitted with large, double row ball bearings, these extra large precision centers provide rigid support for pipe and other large diameter work.



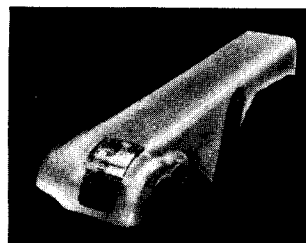
Catalog Number	Style of Center	Capacity	Morse Taper	Shipping Weight
CE2445	90° Point	7/32" to 37/8"	No. 2	9 lbs.
CE2446	90° Point	7/32" to 37/8"	No. 3	9 lbs.
CE2449	90° Point	35/8" to 83/8"	No. 3	20 lbs.
CE8012	90° Point	7/32" to 37/8"	No. 3	9 lbs.
CE8013	90° Hollow	7/16" to 3 1/16"	No. 3	12 lbs.



MOTOR BELT GUARDS

For 9" Lathes. They enclose the motor, motor V-belt, and countershaft drive of 9-inch Horizontal Motor Driven Bench Lathes.

CL2885. Motor Belt Guard for 9" Horizontal Motor Drive with 1/2 h.p. NEMA No. 56 frame motor. Ship wt. 26 lbs.



FIBER GLASS BELT GUARDS

Cover the drive belt and cone pulleys on 9" and 10-K HMD Lathes.

CL2882NK. Belt Guard for 9" & 10-K HMD lathes. With instructions for installing.

FLAT BELTS

Recommended for use with South Bend Lathes. They withstand continual flexing without significant stretch or loss of efficiency. Skived on both ends. Cementing kit is included with each belt. Shipping weight each approx. 1/2 lb.

Type of Drive	Catalog No.	Type of Drive	Catalog No.
9" & 10-K HMD	CE3750N	13" 4-Step	CE3752T
10-K HMD*	CE3750K	13" 3-Step	CE3753T
9" UMD	CE3752N	16" 4-Step	CE3752H
10-K UMD	CE3752K	16" 3-Step	CE3753H
10" Met. Cab.	CE3753R	16-24" 4-Step	CE3752V
10" Floor	CE3752R	16-24" 3-Step	CE3753V

*Use only on 10-K HMD Codes HDV100/HDV104

Belt for 14" lathe (PT-4556 TT-1) doesn't need GLUE.
Belt for 14 1/2" lathe (PT 2204 F-3) needs Cement Kit CE-1789.

BELT SPLICING KITS

For cold splicing skived ends of flat belts.

CE1789. Belt Spicing Kits.

BELT SPLICING CLAMPS



For gluing skived ends of cone pulley belts or other flat leather belts. Made of heavy steel plate with guide for aligning edges of belt ends.

Catalog Number	Maximum Size of Belt			Shipping Weight
	Width	Thickness	Skive Length	
CE1898	1 3/4"	1/2"	6 3/8"	4 lbs.
CE1899	3"	1/2"	6 3/8"	5 lbs.

LUBRICATION

LUBRICATING OILS

Nothing is more important to the satisfactory operation and life of fine machinery than correct lubrication. The lubricating oils listed below have been thoroughly tested and are highly recommended. It is essential that the correct type of oil be used for the lathe spindle, lathe apron and shaper oil reservoirs and general lubrication. A supply of each kind of oil should be kept on hand and used as needed. The Saybolt viscosity of the various oils is indicated in seconds at 100°F.

GENERAL LUBRICATING OIL (SEE OIL CHART FOR INDIVIDUAL MACHINE)

Catalog Number	Viscosity	Quantity	Shipping Wt.
CE1603	240-500	1 quart	3 lbs.
CE1906	240-500	12 quarts	31 lbs.
CE2019	240-500	Gal. can	11 lbs.

C

OIL FOR SPINDLE BEARINGS OF SOUTH BEND LATHES (FOR OTHER COMPONENTS SEE OIL CHART FOR INDIVIDUAL MACHINES)

Catalog Number	Viscosity	Quantity	Shipping Wt.
CE1600	100	1 quart	3 lbs.
CE1905	100	12 quarts	31 lbs.
CE2017	100	Gal. can.	11 lbs.

A

OIL FOR LATHES AND SHAPERS (SEE OIL CHART FOR INDIVIDUAL MACHINES)

Catalog Number	Viscosity	Quantity	Shipping Wt.
CE1602	150-240	1 quart	3 lbs.
CE1904	150-240	12 quarts	31 lbs.
CE2018	150-240	Gal. can	11 lbs.

B

- C – Heavy Viscosity Oil
- B – Medium Viscosity Oil
- A – Light Viscosity Oil

"TEFLON" ALL-PURPOSE LUBRICANTS

CE1625. 1 1/2 oz. tube "Teflon" Perfect All-Purpose Lube.

BED WAY LUBRICANTS

Specially refined lubricants of superior quality for bed ways and other flat bearing surfaces.

CE1671. Ship. wt. 3 lbs. Twelve ounce can.

HYDRAULIC OIL

For use in Power Quill Feed on Vertical Milling Machine. This Hydraulic Oil is also used in the headstock of the 17" Geared Head Lathe.

CE7053. 1 qt. can Hydraulic Oil.

CE7054. 1 gal. can Hydraulic Oil.

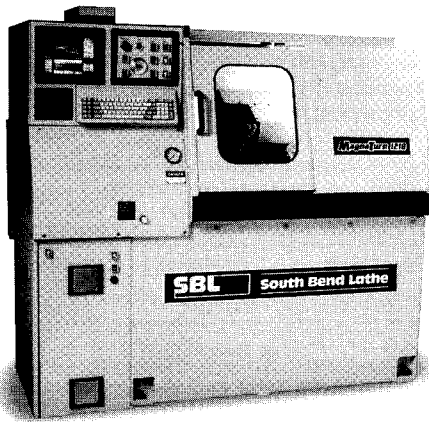


South Bend Lathe Corp.

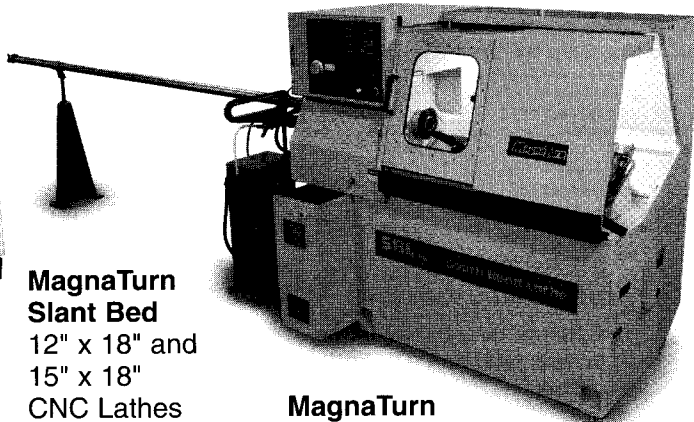
State of the Art – CNC Machines for Shaft and Chucker Work



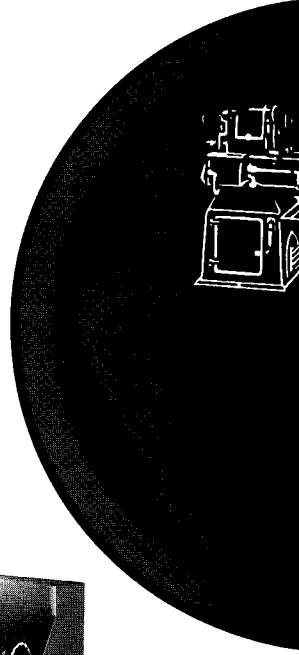
Buy with confidence
from an old established
American company!



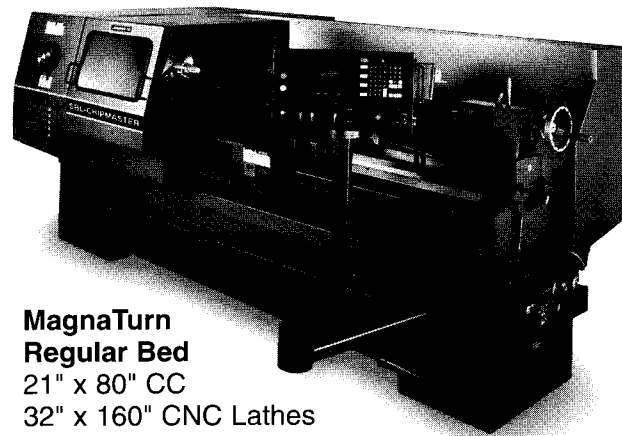
**MagnaTurn
Slant Bed**
12" x 18" and
15" x 18"
CNC Lathes



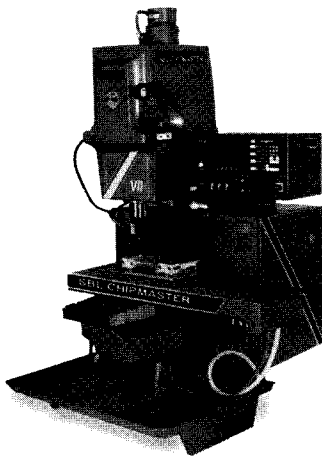
**MagnaTurn
1220 N.T. CNC Lathe**



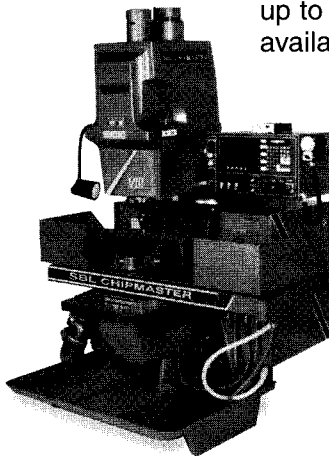
**MagnaTurn
Slant Bed**
6" x 12"
CNC Lathe



**MagnaTurn
Regular Bed**
21" x 80" CC
32" x 160" CNC Lathes
Larger turning CNC centers
up to 120" diameter and 38' c.c.
available... *contact plant.*

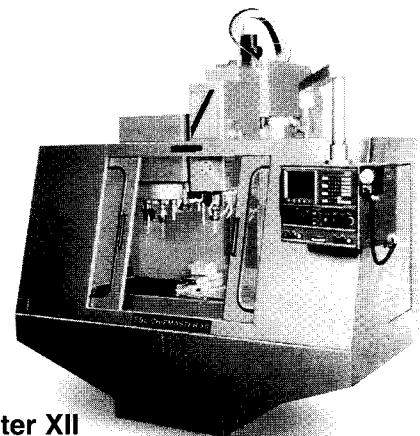


Chipmaster VII
50" x 10" table
X=27" Y=15" Z=6-1/2" 5 HP
3 axis CNC
Quill – 4-3/8" dia. #40
Ideal model for mold makers



Chipmaster VIII
58" x 11" table
X=32" Y=17" Z=7"
3 axis heavy duty table
Shown with knee elevating motor
and massive square ways.

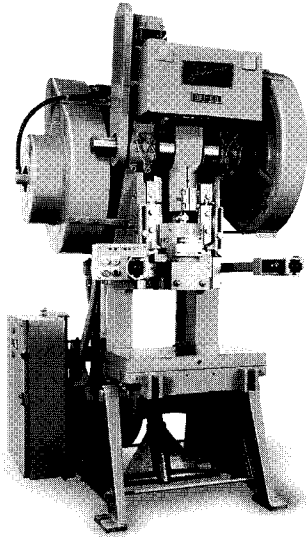
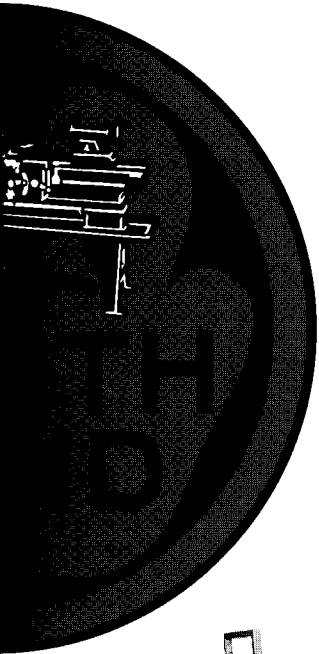
**SIX (6)
DIFFERENT
MODELS OF THE
CHIPMASTER XII
ARE AVAILABLE**



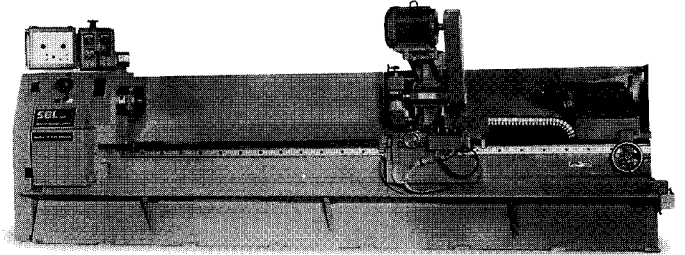
Chipmaster XII
35" x 16" table
X=24" Y=16" Z=20" 10 HP
ATC=18 tools
Two models: Std. – 5,000 RPM w/back gear
Opt. – 10,000 RPM direct drive

Conventional Machines • Sliding Bed Lathes • Hollow Spindle Lathes • Reverse Lead Screws • Infinite Speed Lathes • Crowning

SOUTH BEND CUSTOMERS HAVE BEEN TURNING A PROFIT... SINCE 1906.

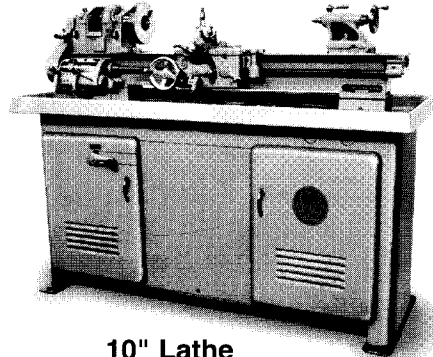
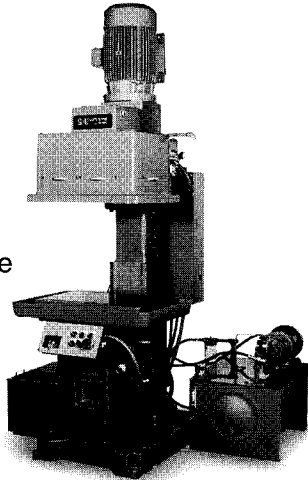


**Johnson
OBI Presses**
16 to 150 tons

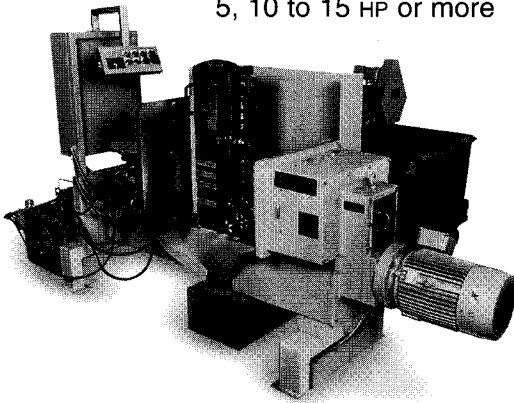


South Bend Series 17 Roll Grinder

Deka® Drills
18 to 28 spindles or more
5, 10 to 15 HP or more



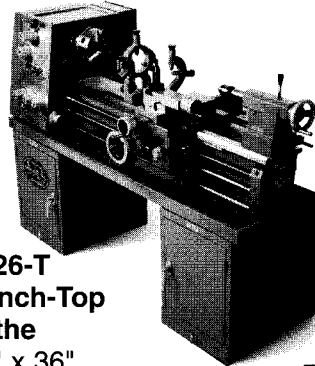
10" Lathe



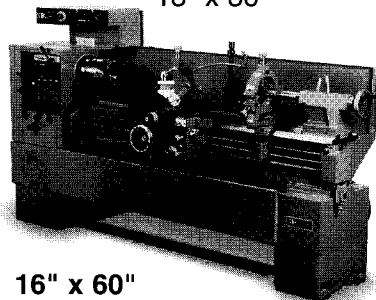
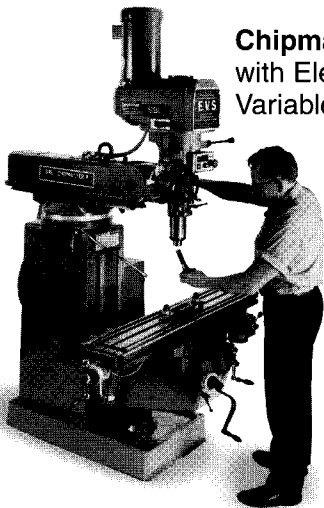
**Chipmaster II Mill
with Electronic
Variable Speed**

**South Bend Turn-Nado
Engine and Toolroom Lathes**

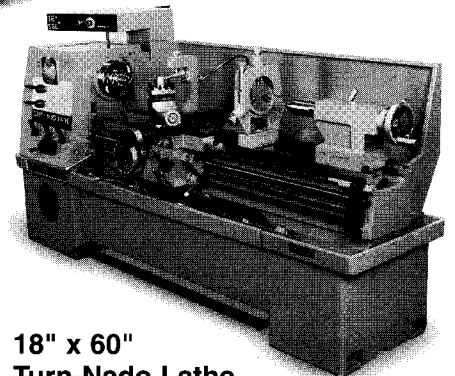
A wide variety of precision geared-head and belt-driven lathes with swings ranging from 10" to 32", and features that have made them favorites with toolrooms, job shops, maintenance departments, and schools.



**G-26-T
Bench-Top
Lathe**
13" x 36"



**16" x 60"
Turn-Nado Lathe
with Electronic Variable Speed**



**18" x 60"
Turn-Nado Lathe
with Electronic Variable Speed**

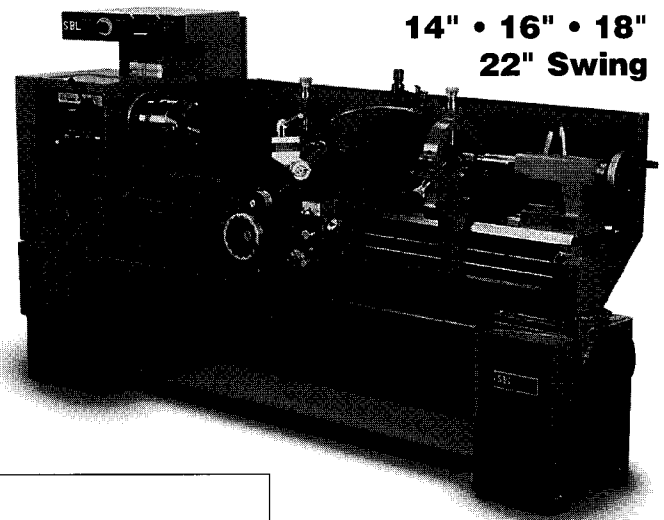
South Bend E.V.S. Knee and Bed Mills

Vertical, horizontal and universal knee mills and bed mills are available – with spindle drives ranging from 2 to 20 HP and a large range of table sizes to meet your needs.

Check Our Factory Remanufacturing Opportunities!

**You can depend on South Bend Lathe Corp.
for a broad line of quality machine tool products,
including:**

- South Bend MagnaTurn CNC Lathes
- South Bend Turn-Nado Engine and Toolroom Lathes 10" to 50" Swing
- South Bend Radius Drills
- South Bend Chipmaster Manual and CNC Knee and Bed Mills
- South Bend Surface Grinders
- South Bend Tool and Cutter Grinders
- South Bend Deka-Drill® Automatic Multiple Spindle Drilling and Tapping Machines
- South Bend Rubber Roll Grinders
- South Bend Dynablast® Equipment
- Johnson Mechanical Power Presses



**14" • 16" • 18"
22" Swing**

16" x 60" Lathe Shown



*Buy with confidence
from an old established
American company!*

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500,000 Sq. Ft. Plant

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