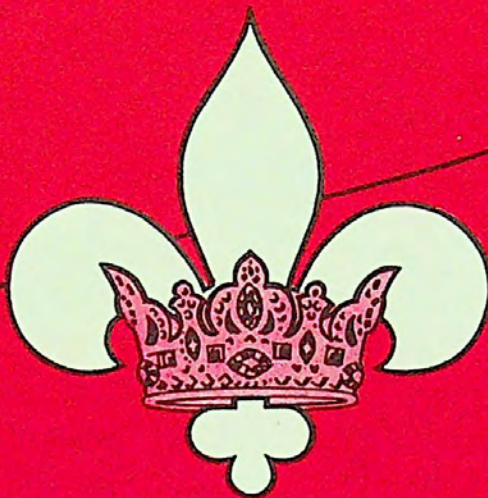


LeBlond's



Regal

LATHE

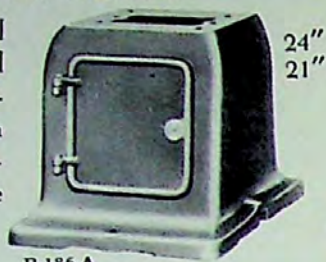
ATTACHMENTS

A lathe with the proper selection of attachments and accessories can be made a machine shop in itself. LeBlond attachments are especially designed to increase the usefulness and productivity of the lathe. A complete line of these attachments are illustrated on the following pages.

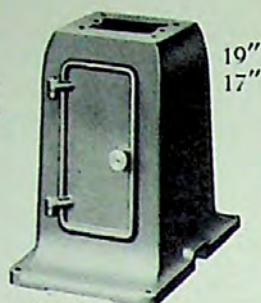
The R. K. LeBlond Machine Tool Company
Madison and Edwards Road, Cincinnati, Ohio

CABINET LEGS FOR REGALS

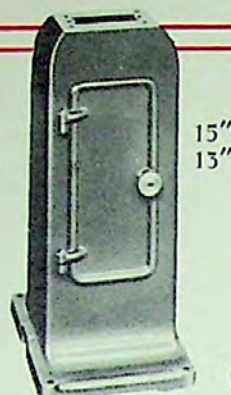
This equipment is all to be ordered special as required. The cabinet legs will cost extra as quoted when supplied in place of the standard legs.



R-186-A



R-176-A

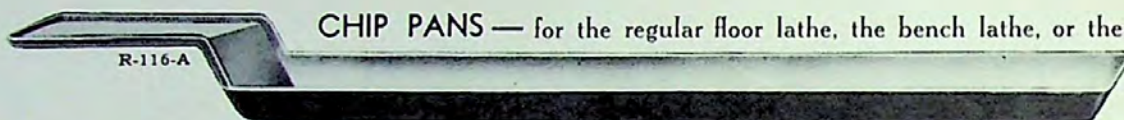


R-173-A



R-141-A

Size Lathe.....	10"	13"	15"	17"	19"	21"	24"
Price Code.....	AALEG	ABLEG	ACLEG	ADLEG	AELEG	AFLEG	AHLEG



R-116-A

CHIP PANS — for the regular floor lathe, the bench lathe, or the gap lathe.

Distance Between Centers	10"	13"	15"	17"	19"	21"	24"
18	AAPFM	TBPFM	TCPFMT				
24	AAPGI	TBPGI	TCPGI				
30	AAPHO	TBPHO	TCPHO	TDPHO	TEPHO		
36	AAPHK	TBPHK	TCPHK			TFPHO	THPHO
42	AAPIG	TBPIG	TCPIG	TDPIG	TEPIG		
48		TBPLM	TCPLM			TFPIG	THPIG
54		TBPJI	TCPJI	TDPJI	TEPJI		
60		TBPMO	TCPMO			TFPJI	THPJI
66		TBPCK	TCPCK	TDPCK	TEPKK		
72						TFPKK	THPKK
78				TDPLM	TEPLM		
84						TFPLM	THPLM
96						TFPMP	THPMP
108						TFPNS	THPNS
120						TFPOS	THPOS

DRILL CHUCK ARBORS



Z-5

- • Drill Chuck Arbors are turned taper on both ends, the long end fitting into the head or tailstock taper holes while the short taper fits the taper hole in the drill chuck.
- • When ordered alone — arbor is finished on long taper only — short taper being fitted to chuck by customer.

• • When ordering state lathe size — make of drill chuck — diameter and depth of chuck socket hole.

Size Lathe	Morse Taper	Price Each
10"	2	AACAR
13"	3	ABCAR
15"	3	ACCAR
17"	4	ADCAR
19"	4	AECAR
21"	4	AFCAR
24"	4	AHCAR

SPINDLE NOSE CHUCK

Size-Lathe	Price Code
10"	AACND

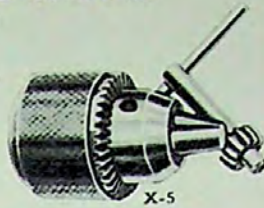


R-157

• • The Spindle Nose Chuck was developed to provide an accurate rigid chucking device for bar work — valves, etc. Chuck body is tapped to fit spindle nose thread. Clear through capacity $\frac{5}{8}$ ". Not furnished on other sizes of Regal Lathes.

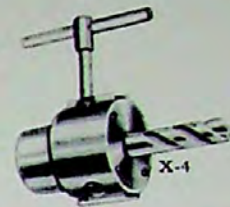
THREE-JAWED DRILL CHUCKS

Capacity	Price Code Each
0" x 3/8"	AXCHM
0" x 1/2"	AXCFG
1/16" x 3/4"	AXCHL
3/16" x 3/4"	AXCHJ
3/8" x 1"	AXCOF



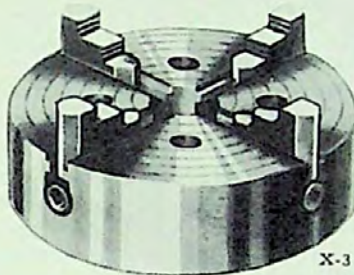
TWO-JAWED DRILL CHUCKS

Capacity	Price Code Each
3/8"	AYCHM
1/2"	AYCFG
3/4"	AYCHI
1"	AYCOF



FOUR JAW INDEPENDENT CHUCK

» » The Four Jawed Chuck is beyond doubt the most universally useful chuck that can be put on a lathe. With it any piece with a regular or irregular contour may be chucked on or off center to the spindle axis. Chuck jaws are reversible by running them out of the slots and turning end for end, then running jaws back in for use.

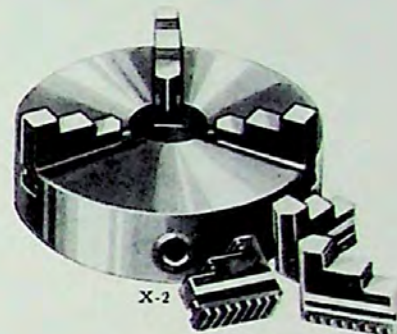


Price includes wrench and screws to attach plate to chuck but not chuck plate or fitting.

Chuck Size	Shipping Weight	Chuck Price Code
4 1/2"	10 lbs.	AACIF
6"	24 lbs.	AACIG
8"	46 lbs.	ACCIH
10"	65 lbs.	ADCIJ
12"	103 lbs.	AECIK
15"	123 lbs.	AECIL
18"	220 lbs.	AHCIL

THREE JAW UNIVERSAL CHUCK

» » The Three Jaw Universal Chuck is useful in holding round stock for centering or turning on the lathe. The three jaws are geared together and one wrench operates all three jaws simultaneously, opening or closing the chuck. Two sets of jaws are furnished with this type of chuck and are included in the listed price of chuck. One set is adapted to external surfaces of round work, the other to internal surfaces.



Price includes wrench and screws to attach plate to chuck but not chuck plate or fitting.

Chuck Size	Shipping Weight	Chuck Price Code
3"	4 lbs.	AACUF
4"	10 lbs.	AACUG
5"	15 lbs.	AACUH
6"	23 lbs.	AACUI
7 1/2"	34 lbs.	ABCUI
10 1/2"	72 lbs.	ADCUL
12"	104 lbs.	AECUM
15"	170 lbs.	AECUP

SEMI AND FULL FITTED CHUCK PLATE



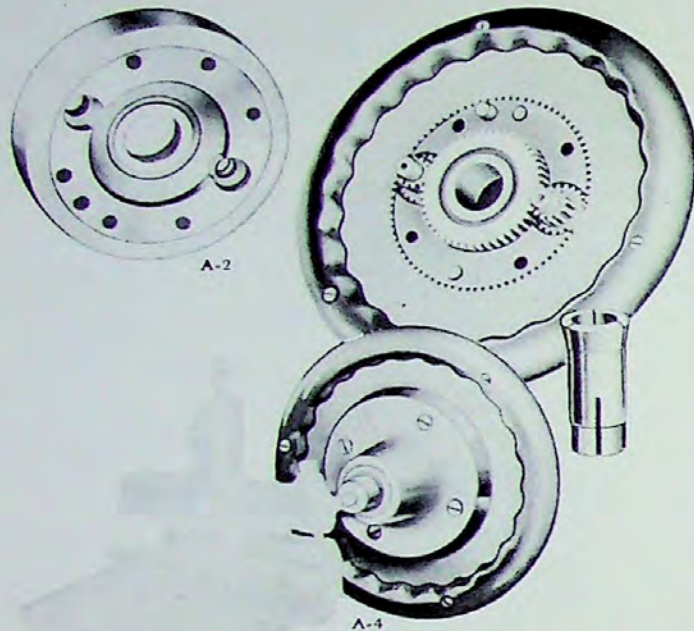
Lathe Size	Price of Chuck Plate fitted to spindle only	Price of Chuck Plate fitted to spindle and chuck
10"	AACPS	AACPL
13"	ABCPS	ABCPL
15"	ACCPS	ACCPL
17"	ADCPS	ADCPL
19"	AECPS	AECPL
21"	AFCPS	AFCPL
24"	AHCPS	AHCPL

Maximum Chuck Size Recommended

Lathe Size	4 Jawed Independent Chuck	3 Jawed Universal Chuck
10"	6"	6"
13"	8"	7 1/2"
15"	10"	10 1/2"
17"	12"	10 1/2"
19"	14"	12"
21"	15"	15"
24"	18"	15"

SPEED COLLET CHUCK

» » With the Speed Collet Chuck, the operator is always in front of his work and he stays there! There is no need to reach over — or to walk back of the lathe stock — to grip or release material in the collet. Collets can be changed instantly by the operator simply laying hand on the wheel. Reversing the machine then ejects the collet, while the new collet is inserted by the opposite of the operation. Needs No Key, Saves Time and Motion.



No.	Collet Capacity	Handwheel Diameter	Price Code
1	1"	9"	AACLT
2	1 3/8"	10"	ABCLT
3	1 3/4"	11"	ACCLT

COLLET TRAY

» » The Collet Tray provides a convenient means of holding the draw-in attachment parts and collets.

» » Also furnished with extra tray on the unit for centers, wrenches and small tools. A clamping bracket is provided to attach the unit to the bed.

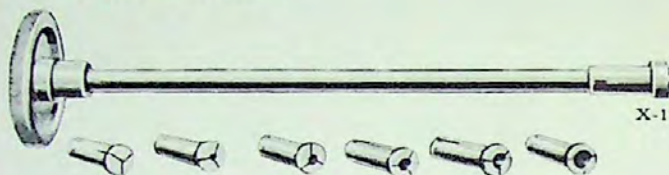


Lathe Size	Price Code Collet Tray Unit	Price Code Extra Tray
10"	AAFET	AAFIT
13"	ABFET	ABFIT
15"	ACFET	ACFIT
17"	ADFET	ADFIT
19"	AEFET	AEFIT
21"	AFFET	AFFIT
24"	AHFET	AHFIT

DRAW-IN ATTACHMENT AND COLLETS

» » The Draw-in Attachment is of the popular hand wheel type, consisting of the hand wheel, the sleeve and the closer. When the hand wheel is screwed up against the end of the spindle, the split collet is drawn into the closing taper in the closing bush and clamps the work in the ground hole of the collet.

» » Price of the attachment includes one collet of size optional with customer but within capacity of lathe for which it is ordered.

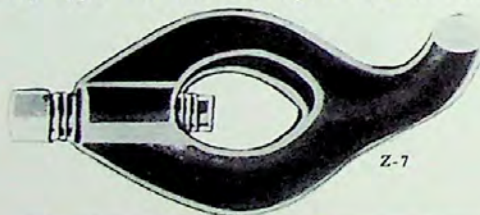


Lathe Size	Spindle Hole	Collet Capacity in 64ths (round)	Price Code Attachment	Extra Collet*
10"	3/4"	3/64" to 1/2" incl.	AAFED	AACED
13"	1"	3/64" to 3/4" incl.	ABFED	ABCED
15"	1"	3/64" to 3/4" incl.	ACFED	ACCED
17"	1 1/16"	3/64" to 1" incl.	ADFED	ADCED
19"	1 1/16"	3/64" to 1" incl.	AEFED	AECED
21"	1 1/16"	3/64" to 1 1/4" incl.	AFFED	AFCED
24"	1 1/16"	3/64" to 1 1/4" incl.	AHFED	AHCED

*Specify collet code and sizes wanted.

LATHE DOGS

» » The Lathe Dogs we furnish are of standard type of design but are available in both square head set screws and safety type flush mounted set screw. Price of safety type includes hexagon wrench for set screw.



Capacity of Lathe Dog	Standard Lathe Dogs with Hardened Steel Set Screw	Safety Lathe Dogs with Headless Set Screw and Wrench
	Price Code Each	Price Code Each
3/8"	AXJOA	AYJOA
1/2"	AXJOB	AYJOB
3/4"	AXJOC	AYJOC
1"	AXJOD	AYJOD
1 1/4"	AXJOE	AYJOE
1 1/2"	AXJOF	AYJOF
1 3/4"	AXJOG	AYJOG
2"	AXJOH	AYJOH
2 1/2"	AXJOI	AYJOI
3"	AXJOJ	AYJOJ
3 1/2"	AXJOK	AYJOK
4"	AXJOL	AYJOL

ARBOR FOR MILLING CUTTERS

* * These Arbors fit in headstock spindle taper hole and have stem for cutters with 1" hole capacity between shoulder and nut 1½". Three spacing collars furnished — nut is hardened.



Size Lathe	Arbor Price Code
10"	AAMAA
13"	ABMAA
15"	ABMAA
17"	ADMAA
19"	ADMAA

THE "MILLERETTE" CONVERTER

* * The "Millerette" as a wide range lathe attachment is so useful and convenient that it will pay the owner of a machine shop of any size to include it in his working equipment. It takes the place of a milling machine for all ordinary purposes, but requires no extra space and entails no heavy power consumption.

* * A great variety of work can be done on a lathe with a "Millerette." Spur and bevel gears, splines and slots can be cut and all regular dividing head milling machine work done on a lathe with a "Millerette."

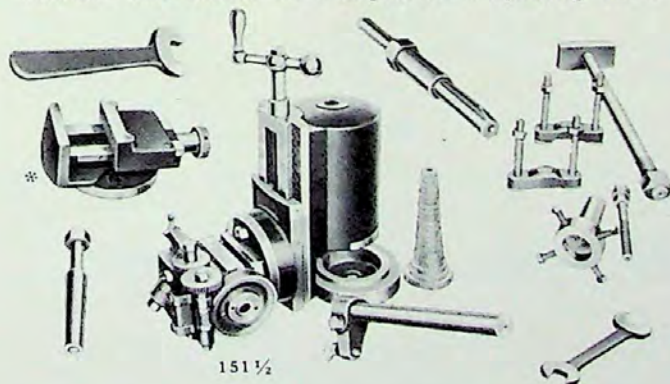
* * Price includes two wrenches, one cutter arbor, one work arbor with draw bolt, one straight clamp, one concave clamp, one dog center, one outboard support, and one set of 24 change gears.

* * Vise is priced as an extra and is furnished in three sizes: *

No. 4 — Jaw width 3¾", depth 1" , opening 2½".

No. 5 — Jaw width 4" , depth 1" , opening 2¾".

No. 6 — Jaw width 4¼", depth 1½", opening 3½".



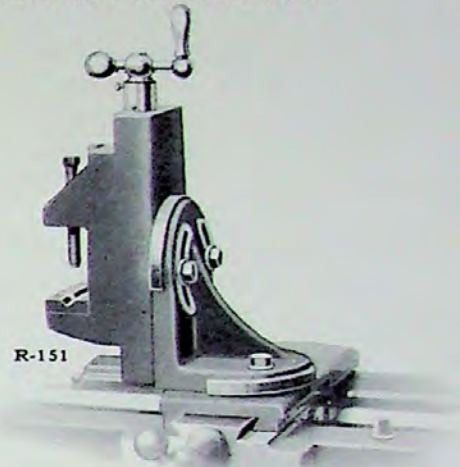
151 ½

Lathe Size	Price Code Converter	Price Code * Vise	Travel of Down Slide	Weight with Vise
10"	AALOS	AAVOX	6½	45 lbs.
13"	ABLOS	ABVOX	6½	45 lbs.
15"	ACLLOT	ACVOT	7½	60 lbs.
17"	ADLOT	ADVOT*	7½	60 lbs.
19"	AELOU	AEVOU	9	100 lbs.
21"	AFLOW	AFVOW	9	100 lbs.
24"	AHLOX	AHVOX	9	100 lbs.

MILLING ATTACHMENT

* * An Economical Device to hold work for milling by means of a cutter mounted on an arbor held in lathe spindle.

* * Fixed jaw type vise slides vertically on vertical slide and swivels 45° each side of vertical on angle base. Base bolts onto bottom slide of cross slide in place of compound rest and swivels in circle.



R-151

Lathe Size	Vertical Feed	Cross Feed	Vise Open	Depth of Jaws	Width of Jaws	Price Code
10"	2¾"	7¼"	2¾"	1¾"	5¾"	AAMVA
13"	4¾"	8¾"	2¾"	1¾"	4¾"	ABMVA
15"	4¾"	8¾"	2¾"	1¾"	4¾"	ACMVA
17"	7"	11½"	4"	2"	5¼"	ADMVA
19"	7"	11½"	4"	2"	5¼"	AEMVA

METRIC TRANSPOSING GEARS

* * It is frequently necessary to cut metric threads either for repair work on foreign made equipment in countries using the English-standard or because the lathe is being used in a country having the metric-standard.

* * We furnish a set of gears to interpose between headstock and quick change box gears to secure the 50 to 127 ratio between English and metric leads.

* * With these gears the more commonly used metric leads are available.

* * A special quadrant and gears can also be furnished to cut special leads not regularly available. Request information from our factory, giving leads which you require, and we will be glad to forward complete information and quotation.

Size Lathe	Price Code
10"	AAGAR
13"	ABGAR
15"	ACGAR
17"	ADGAR
19"	AEGAR
21"	AFGAR
24"	AHGAR

CHASING DIAL

- » » The Chasing Dial consists of a graduated dial geared to the lead screw of the lathe. With this device it is unnecessary to reverse the spindle at the end of the thread cut. Instead the half nuts are disengaged, the tool removed to clear the work and the carriage returned to starting position. The tool is set for the depth of the next cut and the half nuts reengaged when the proper line on moving dial coincides with the index line.
- » » The Chasing Dial is arranged so



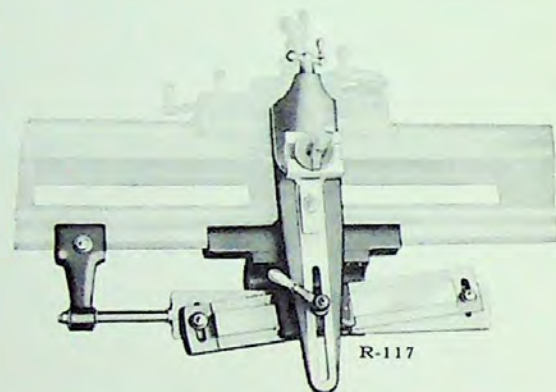
that it may be disconnected from the lead screw when not in use.

- » » The Chasing Dial may be installed at any time, as provision is made in the machining of all carriages for its application.

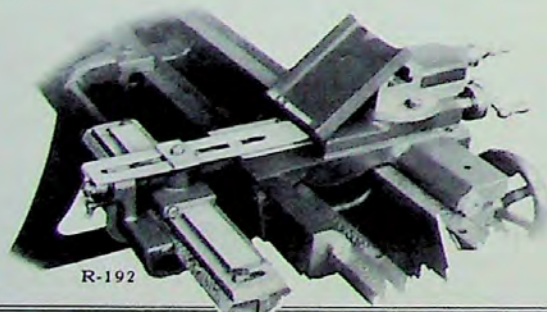
Lathe Size	Price Code Each
10"	AADED
13"	ABDED
15"	ACDED
17"	ADDED
19"	AEDED
21"	AFDED
24"	AHDED

TAPER ATTACHMENT — REGULAR

- » » The Taper Attachment is of the carriage type mounted on rear of carriage. The taper attachment bracket has a dovetail bearing for the guide bar provided with a gib for adjustment. Both guide bar and bracket are accurately scraped to each other.
- » » The swivel bar is pivoted on guide bar and the ends are graduated, one in degrees, the other in taper per foot. Collar screws on each end provide the method for clamping.
- » » The swivel bar shoe has a long bearing on the swivel bar and is also provided with a gib to take up the wear. A bed bracket and stud holds the guide stationary when turning taper and is locked to rear shear by a clamping screw.
- » » The compound rest gets its movement from the bottom slide extension; the extension also has a bearing on the cross slide dovetail. By means of locking handle, the bottom slide extension is locked to the swivel bar shoe and this causes the tool to turn the taper set on the swivel bar.
- » » When turning taper, cross feed screw must be disengaged by removing cross feed screw nut.
- » » The entire taper attachment is simple, rigid and efficient.



Lathe Size	Price Code
10"	AATAP
13"	ABTAP
15"	ACTAP
17"	ADTAP
19"	AETAP



Lathe Size	Price Code
13"	TBTAP
15"	TCTAP
17"	TDTAP
19"	TETAP
21"	TFTAP
24"	THTAP

TAPER ATTACHMENT — TELESCOPIC*

- » » For heavy service we furnish the LeBlond regular heavy duty DUAL Performance Carriage Type Taper Attachment. It combines the convenience of a telescopic screw with the rigidity of both the bed and the yoke type attachments. The cross feed screw has a bearing in a heavy sleeve rigidly supported in the carriage and in the outboard taper attachment bracket. However, the screw is not used when readjustment of the tool can be made with compound slide instead of the cross slide. A steel draw bar or yoke is clamped to the tapered shoe by a single bolt, which completely relieves the cross feed screw and nut of all strain. The pull is on the draw bar, which is connected to the tool slide and not to the screw. All new lathes are made to receive this attachment at any time.

*Only telescopic type can be furnished on Gap Lathes or 21" and 24" Engine Lathes.

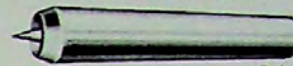
STANDARD 60° CENTER



B-4

Size Lathe	Price Code
10"	AACEN
13"	ABCEN
15"	ACCEN
17"	ADCEN
19"	AECEN
21"	AFCEN
24"	AHCEN

CUP CENTER



B-8

Size Lathe	Price Code
10"	ACUPC
13"	BCUPC
15"	CCUPC
17"	DCUPC
19"	ECUPC
21"	FCUPC
24"	HCUPC

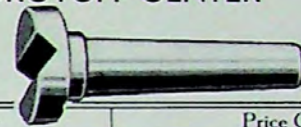
SPUR CENTER



B-7

Size Lathe	Price Code
10"	ASPUR
13"	BSPUR
15"	CSPUR
17"	DSPUR
19"	ESPUR
21"	FSPUR
24"	HSPUR

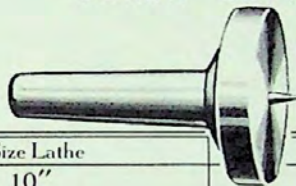
CROTCH CENTER



B-5

Size Lathe	Price Code
10"	ACROT
13"	BCROT
15"	CCROT
17"	DCROT
19"	ECROT
21"	FCROT
24"	HCROT

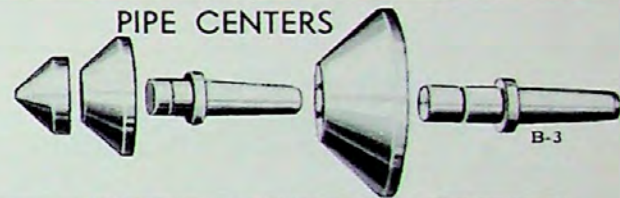
SCREW CENTER



B-2

Size Lathe	Price Code
10"	ASCRE
13"	BSCRE
15"	CSCRE
17"	DSCRE
19"	ESCRE
21"	FSCRE
24"	HSCRE

PIPE CENTERS

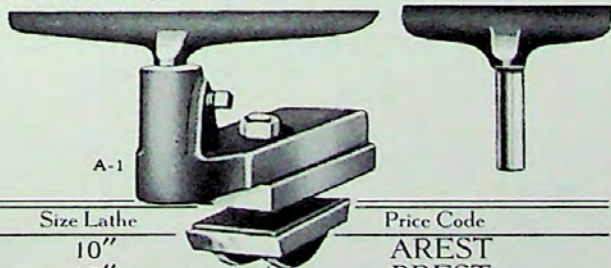


B-3

Size of Lathe	Taper Shank No. 1 and center A for Pipe 1½" to 3"	Taper Shank No. 1 and center B for Pipe 3" to 5"	Taper Shank No. 2 and center C for Pipe 5" to 8"
	Price Code	Price Code	Price Code
10"	APENT	BPCNT	BPPNT
13"	BPENT	CPCNT	CPPNT
15"	CPENT	DPCNT	DPPNT
17"	DPENT	EPCNT	EPPNT
19"	EPENT	FPCNT	FPPNT
21"	FPENT	HPCNT	HPPNT
24"	HPENT		

HAND REST FOR WOOD TURNING

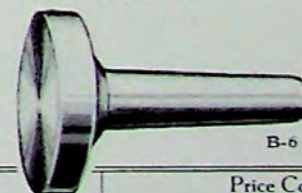
* * For Wood Working and pattern making. The hand rest clamps directly to the ways of the bed. Price includes hand rest complete with two "T" rests and clamp for attaching.



A-1

Size Lathe	Price Code
10"	AREST
13"	BREST
15"	CREST
17"	DREST
19"	EREST
21"	FREST
24"	HREST

DRILL PAD



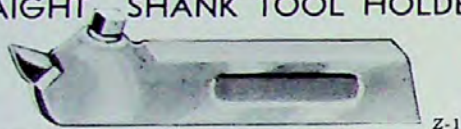
B-6

Size Lathe	Price Code
10"	ADPAD
13"	BDPAD
15"	CDPAD
17"	DDPAD
19"	EDPAD
21"	FDPAD
24"	HDPAD

TURNING TOOL HOLDERS

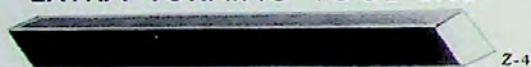
- » » The Tool Holders listed consist of a drop forged holder in which a high speed steel cutting bit is clamped.
- » » The only thing used up, in cutting material and sharpening the tool, is the tool bit itself and it is negligible. Tool wastage with tool holders is a fraction of that experienced with the use of forged tools.
- » » The holders are strong and ruggedly designed to offer practically the same resistance to cutting forces as the forged tool.
- » » The tool holder price includes one cutter bit and wrench.

STRAIGHT SHANK TOOL HOLDERS



Size Lathe	Size Shank	Size Cutter Square	Each Each
10"	5/16" x 3/4"	3/16" x 3/16"	AAHST
13"	3/8" x 7/8"	1/4" x 1/4"	ABHST
15"	1/2" x 1 1/8"	5/16" x 5/16"	ACHST
17"	5/8" x 1 3/8"	3/8" x 3/8"	ADHST
19"	5/8" x 1 3/8"	3/8" x 3/8"	AEHST
21"	5/8" x 1 3/8"	3/8" x 3/8"	AFHST
24"	5/8" x 1 3/8"	3/8" x 3/8"	AHHST

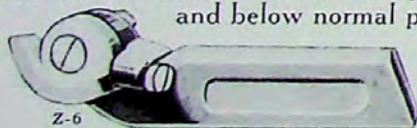
EXTRA TURNING TOOL BITS



Size Bit	Length Bit	Price Code Each
3/16" x 3/16"	1 1/2"	AAHBX
1/4" x 1/4"	2 1/4"	ABHBX
5/16" x 5/16"	2 1/2"	ACHBX
3/8" x 3/8"	3"	ADHBX

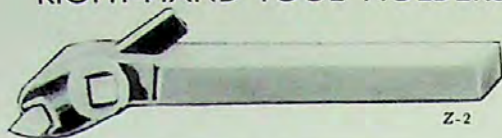
FORMED THREADING TOOL HOLDERS

- » » This Holder is drop forged and machined to receive a formed cutter with accurately ground 60° sides. The cutter is sharpened on top only. Cutters are available in Whitworth, U. S. S. or sharp "V" form. Specify threads per inch to be cut when ordering.
- » » Sharp "V" form supplied unless otherwise specified. Each cutter chases threads two pitches above and below normal pitch of cutter.



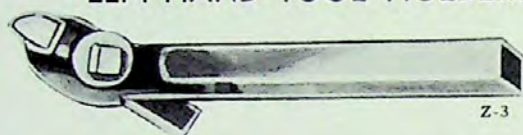
Size Lathe	Size Shank	Price Code	Extra Cutters Each
10"	5/16" x 3/4"	AAHTH	AAHTI
13"	3/8" x 7/8"	ABHTH	ABHTI
15"	1/2" x 1 1/8"	ACHTH	ACHTI
17"	5/8" x 1 3/8"	ADHTH	ADHTI
19"	5/8" x 1 3/8"	AEHTH	AEHTI
21"	5/8" x 1 3/8"	AFHTH	AFHTI
24"	5/8" x 1 3/8"	AHHTH	AHHTI

RIGHT-HAND TOOL HOLDERS



Size Lathe	Size Shank	Size Cutter Square	Price Code Each
10"	5/16" x 3/4"	3/16" x 3/16"	AAHRH
13"	3/8" x 7/8"	1/4" x 1/4"	ABHRH
15"	1/2" x 1 1/8"	5/16" x 5/16"	ACHRH
17"	5/8" x 1 3/8"	3/8" x 3/8"	ADHRH
19"	5/8" x 1 3/8"	3/8" x 3/8"	AEHRH
21"	5/8" x 1 3/8"	3/8" x 3/8"	AFHRH
24"	5/8" x 1 3/8"	3/8" x 3/8"	AHHRH

LEFT-HAND TOOL HOLDERS



Size Lathe	Size Shank	Size Cutter Square	Price Code Each
10"	5/16" x 3/4"	3/16" x 3/16"	AAHLH
13"	3/8" x 7/8"	1/4" x 1/4"	ABHLH
15"	1/2" x 1 1/8"	5/16" x 5/16"	ACHLH
17"	5/8" x 1 3/8"	3/8" x 3/8"	ADHLH
19"	5/8" x 1 3/8"	3/8" x 3/8"	AEHLH
21"	5/8" x 1 3/8"	3/8" x 3/8"	AFHLH
24"	5/8" x 1 3/8"	3/8" x 3/8"	AHHLH

CUT-OFF TOOL HOLDERS

- » » The Cut-Off Tool Holders are of the same type of design as the turning tool holders, that is, they use a high speed cut-off tool bit mounted in a rigid tool holder made of drop forged steel. Here again is presented the most economical tool for cut-off work since only the inexpensive cutter blades are used up. The tool holder price includes one cutter blade and wrench. Tool holders are available in right, left hand or straight shank at same price — right hand holder furnished unless otherwise specified.

- » » Specify right, left or straight.



Size Lathe	Size Shank	Cutter Size	Price Code Each	Extra Blade Each
10"	5/16" x 3/4"	3/32" x 1/2"	AAHCO	AAHBL
13"	3/8" x 7/8"	3/32" x 5/8"	ABHCO	ABHBL
15"	1/2" x 1 1/8"	1/8" x 3/4"	ACHCO	ACHBL
17"	5/8" x 1 3/8"	1/8" x 7/8"	ADHCO	ADHBL
19"	5/8" x 1 3/8"	1/8" x 7/8"	AEHCO	AEHBL
21"	5/8" x 1 3/8"	1/8" x 7/8"	AFHCO	AFHBL
24"	5/8" x 1 3/8"	1/8" x 7/8"	AHHCO	AHHBL

BORING BAR HOLDERS

* * The Boring Bar Holders are of the type which clamp in the tool post like standard tools; the bars are of the sleeve type in which the cutter bit may be set at either 90° or 45° with the axis of bar and locked in that position.

* * Price includes two wrenches necessary and two tool bits.



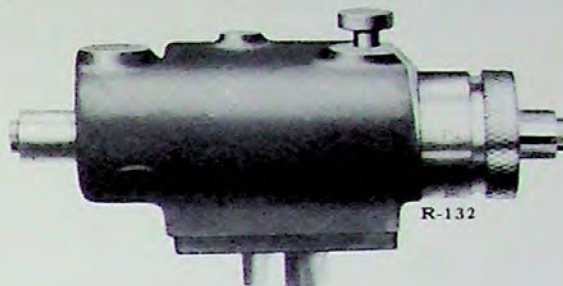
Z-10

Size Lathe	Size Shank	Size of Boring Bar	Size Cutter	Price Code Tool Complete	Extra Cutter Each
10"	5/16" x 3/4"	1/2"	3/16"	AAHBO	AAHBC
13"	3/8" x 7/8"	5/8"	3/16"	ABHBO	ABHBC
15"	1/2" x 1 1/8"	3/4"	1/4"	ACHBO	ACHBC
17"	5/8" x 1 3/8"	1 1/16"	5/16"	ADHBO	ADHBC
19"	5/8" x 1 3/8"	1 5/16"	5/16"	AEHBO	AEHBC
21"	5/8" x 1 3/8"	1 5/16"	5/16"	AFHBO	AFHBC
24"	5/8" x 1 3/8"	1 5/16"	5/16"	AHHBO	AHHBC

MICROMETER CARRIAGE STOP

* * The Micrometer Carriage Stop is designed to be used either as an adjustable or positive carriage stop and is clamped to the front way of the lathe. The adjustment is by means of a screw on which a graduated collar indicates the advance or withdrawal of the locating end from the fixed block clamped on the way. The block is clamped securely but without possibility of scoring the way.

* * A lock is provided to clamp the screw at any setting.



R-132

Lathe Size	Price Code Each
10"	AAMED
13"	ABMED
15"	ACMED
17"	ADMED
19"	AEMED
21"	AFMED
24"	AHMED

KNURLING TOOL HOLDERS

* * The Holder is of a self-centering type with two rolls and can be supplied with coarse, medium or fine, in either diamond or straight line patterns. Medium diamond pattern knurls will be furnished unless customer specifies otherwise.

* * Price includes holder and one set knurls.

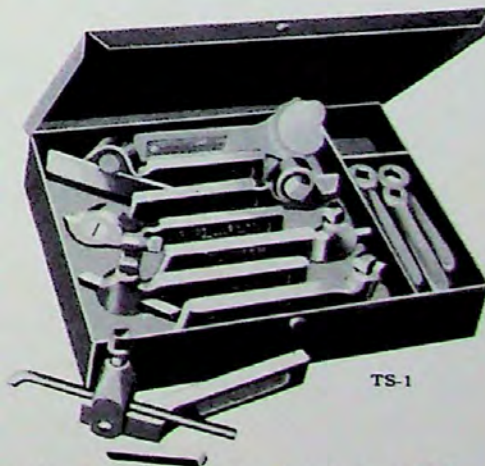


Z-9

Size Lathe	Size Shank	Size Knurls			Price Code Tool and Knurls	Extra Knurls per Pair
		Diam.	Face	Hole		
10"	5/16" x 3/4"	5/8"	3/16"	7/32"	AAHKC	AAHKN
13"	3/8" x 7/8"	5/8"	3/16"	7/32"	ABHKC	ABHKN
15"	1/2" x 1 1/8"	3/4"	1/4"	1/4"	ACHKC	ACHKN
17"	5/8" x 1 3/8"	3/4"	1/4"	1/4"	ADHKC	ADHKN
19"	5/8" x 1 3/8"	3/4"	1/4"	1/4"	AEHKC	AEHKN
21"	5/8" x 1 3/8"	3/4"	1/4"	1/4"	AFHKC	AFHKN
24"	5/8" x 1 3/8"	3/4"	1/4"	1/4"	AHHKC	AHHKN

HOMECRAFTERS TOOL SET

* * A complete set of low priced forged shank tools with high speed tool bits is now available for use on our 10" Regal Lathe. Set comprises one each of following tools with bits and wrench in steel box, with compartment for each tool: Straight, right and left turning tools, 3/16" bits, boring, reversible right and left used with 1/4" x 5" bar, also 1/4" sq. cutter, straight and right hand cut-off tools, 5/64" x 1/2" bits, knurling and threading tools, shank size 5/16" x 3/4".



TS-1

Price code (complete set in box) AAATS.

STANDARD SELECTED EQUIPMENT

(Chosen to meet average needs)

» » The Standard Tool sets have been made up to offer the most comprehensive usefulness for the least initial outlay. The use of these tools greatly enhances the scope of work possible in the lathe.

» » Each set of tools applies only to the lathe for which it is listed, as the tool sizes vary with the size lathe in which they are used.

1 - Independent 4 jawed chuck. 10" and 13"-6" chuck.
15"-8" chuck. 17"-10" chuck. 19"-12" chuck.
21"-15" chuck. 24"-18" chuck.

1 - Chuck plate for chuck.

1 - Drill chuck complete with arbor and pinion key for chuck. 3 jaw. 1/2" capacity on 10-13-15. 2 jaw. 1" capacity on 17-19-21-24.

1 - Boring bar holder with wrench.

1 - Boring bar with bit and wrench.

1 - Straight shank tool bit holder and wrench.

1 - Threading tool holder with formed cutter and wrench.

1 - Right hand cutting off tool holder with bit and wrench.

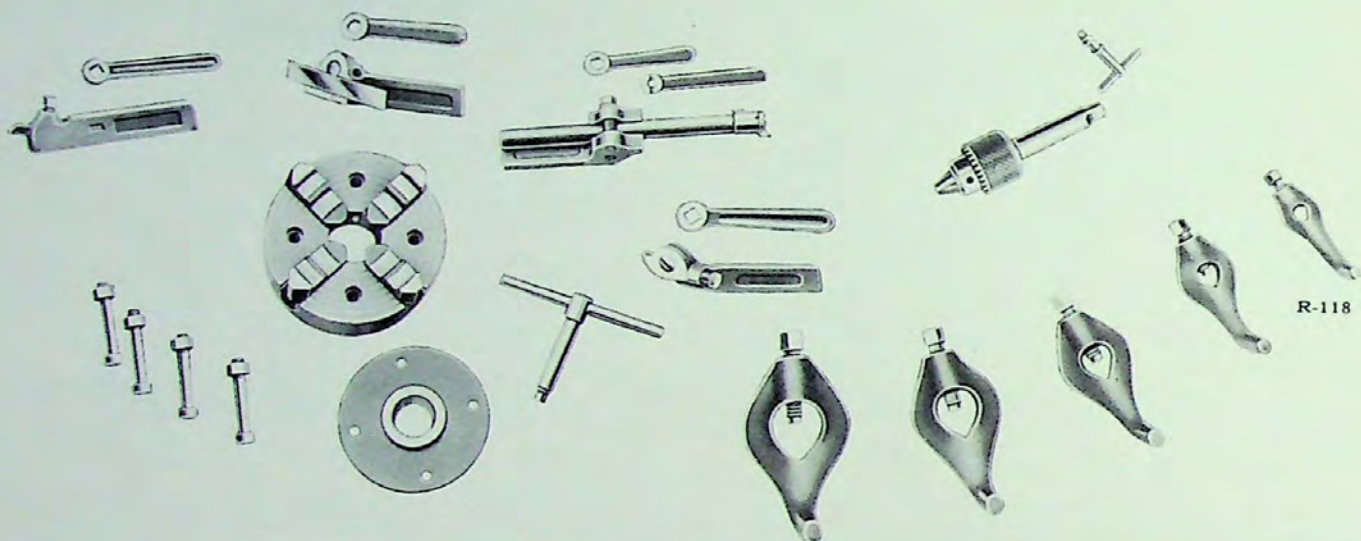
1 - Set of malleable lathe dogs 1/2", 3/4", 1", 1 1/4", 1 1/2" capacity on 10"-13"-15" lathes.

1/2"-3/4"-1"-1 1/2"-2" on 17" lathe.

3/4"-1 1/2"-2"-2 1/2"-3" on 19" lathe.

1"-1 3/4"-2 1/2"-3"-3 1/2" on 21" lathe.

1 1/4"-2"-3"-3 1/2"-4" on 24" lathe.



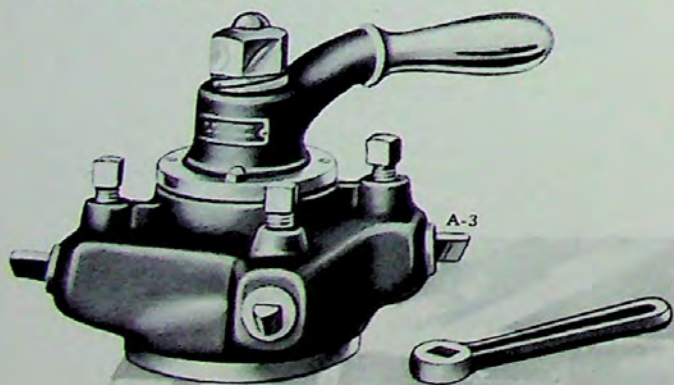
R-118

Lathe Size.....	10"	13"	15"	17"	19"	21"	24"
Price Code.....	ATSET	BTSET	CTSET	DTSET	ETSET	FTSET	HTSET

TURRET TOOL POST

» » Mounted in T-slot of Compound Rest in place of ordinary tool post.

» » Can be mounted or removed as easily and quickly as standard tool post.



» » The four stations are fitted with bushings to take standard tool bits. Each bit has three indexing positions. A quick rocker adjustment is provided to regulate the height of the tool.

» » This turret is a sturdy and practical attachment for handling the varieties of lathe work that can be done by a multiple set-up of tool bits. With it the operator can perform four different operations in quick succession with one set-up and without stopping the lathe to change tools.

Lathe Size	Turret No.	Takes Bits	Center Height - Spindle Center to top of Tool Slide	Price Code
13"	1	5/16" sq.	1 5/16"	BTURE
15"	1	5/16" sq.	1 9/16"	CTURE
17"	2	3/8" sq.	1 21/32"	DTURE
19"	2	3/8" sq.	1 3/4"	ETURE
21"	3	7/16" sq.	2 1/8"	FTURE
24"	3	7/16" sq.	2 1/8"	HTURE

BED TURRETS

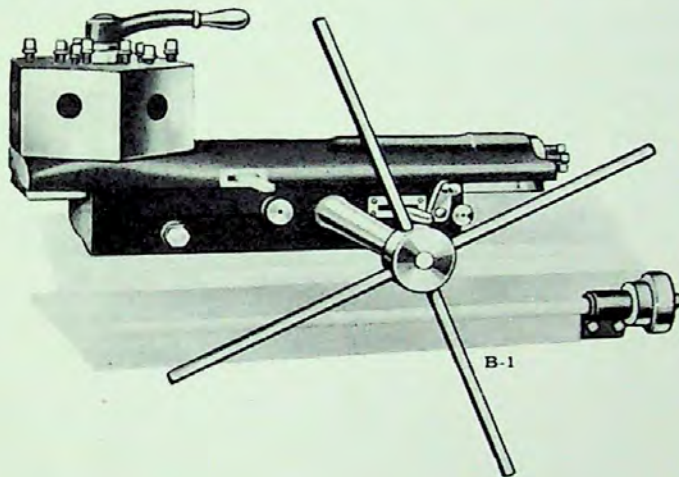
• • Many shops haven't sufficient work of a nature to warrant the large investment necessary to install an expensive turret lathe. Even the largest shops, for certain classes of work, can most advantageously use an engine lathe with turret on bed, in connection with the regular lathe tool in compound rest, or with one of our types of carriage turrets.

• • The advantages of a lathe thus convertible from engine lathe to turret lathe, or vice versa, are many and will at once appeal to the prospective buyer.

• • Bed Turrets are made automatic revolving and with automatic independent feed stop for each face of the turret, arranged for either hand or power feed.

• • When power feed is furnished, the drive is from a pulley on the rear end of the lead screw, to the feed rod at the back of the bed.

• • The power feed disengages automatically by a trip, which stops within a reasonable degree of accuracy, but



the automatic trip is supplemented by a positive stop, which enables the operator to finish lengths accurately to .001".

• • The turret head revolves automatically when the turret slide is drawn back by the pilot wheel. A supplementary lever permits of the index locking pin being withdrawn by hand, so two or more alternate tools can be swung into position without having to make a complete revolution of the turret.

• • The locking pin, index ring, revolving dog and pins, are all made of tool steel, hardened and ground. The locking pin is fitted with an adjustable taper gib.

• • The Turret Base takes bearing upon the inner ways of the bed. Eccentric clamps, located at either end, hold the turret in any position on the bed.

• • The top slide is of ample width and depth, forming a rigid support for the revolving head. It slides in a dovetailed type of bearing, having adjustable taper gibs. This construction has fewer bearing surfaces, a truer

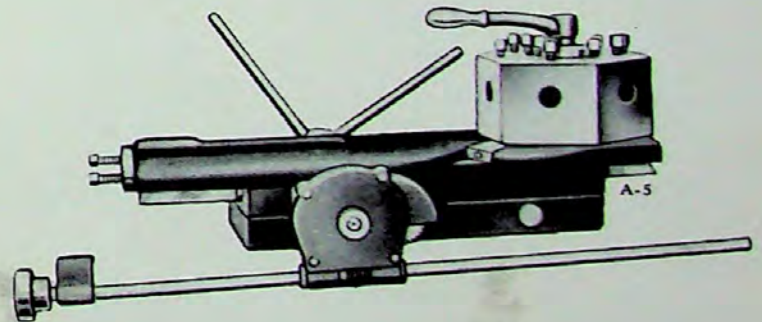
bearing is maintained and adjustments for wear are more readily made.

• • The Automatic Independent Feed Stop is contained in the turret slide. It consists of a horizontal shaft, located in the turret slide, taking its movement from the revolving turret head. This shaft, in turn, carries a disc in which is located a series of adjustable stop screws, corresponding to the number of faces on the turret. By the revolving of the turret, these screws are brought into consecutive position to trip the feed dog, at any desired point, for each face of the turret.

BED TURRET DIMENSIONS

Size	15"	17"	19"	21"	24"
Width of Turret from Face to Face	8½"	11½"	11½"	12½"	15½"
Turret Face Dimensions	4⅞" w 4⅞" h	6⅝" w 5¼" h	6⅝" w 6⅝" h	7⅜" w 7⅜" h	8⅛" w 6⅛" h
Holes in Turret (or as desired)	1"	1¾"	1¾"	2"	2"
Center of Turret Holes to Top of Slide	2¼"	2¾"	3⅝"	4⅛"	5⅛"
Length of Slide	26"	32"	32"	36"	38"
Length of Base	18"	21"	21"	24"	24"
Length of Turret Feed (max.)	9"	12"	12"	15"	15"
Feed of Turret Slide to One Turn of Feed Rod	.022"	.027"	.027"	.027"	.027"

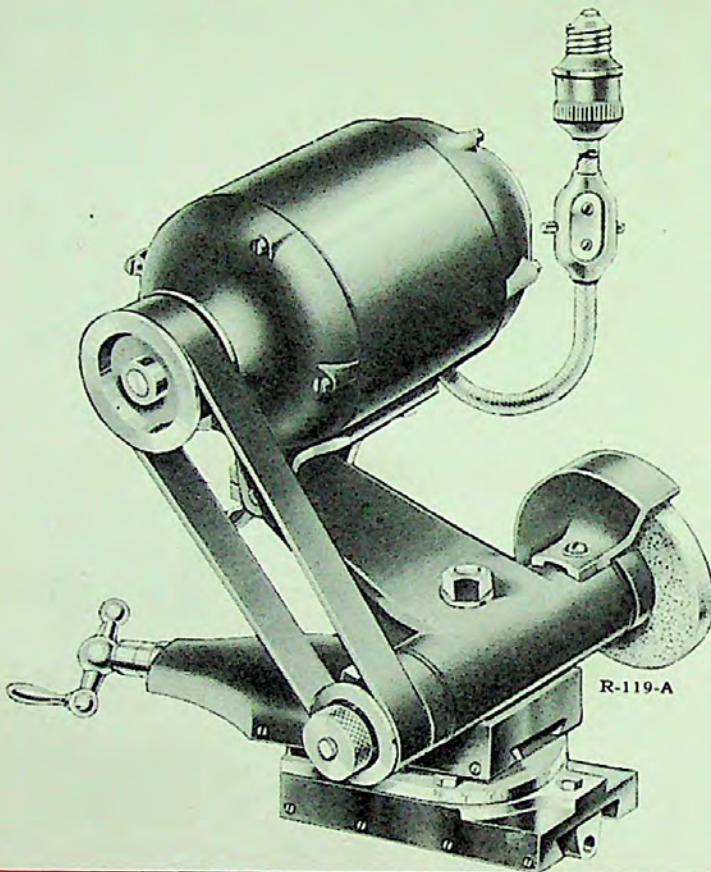
h—high w—wide



Lathe Size	Price Code
15"	CBEDT
17"	DBEDT
19"	EBEDT
21"	FBEDT
24"	HBEDT

GRINDING ATTACHMENT

- » » The Grinding Attachment illustrated is designed and built for the "Regal" Lathe.
- » » The unit comprises a grinding spindle mounted on ball bearings in a unit casting which is bolted to the compound rest, and a motor hinged to the casting to provide means for maintaining proper belt tension. Provision is made for swiveling the attachment about



the clamping bolt and also for changing the height of the spindle.

- » » A universal motor is available for all voltages. This motor runs on either D.C. or A.C. power.
- » » The grinding wheel is properly guarded to protect the operator from dust and sparks.
- » » The whole unit is very easily mounted ready for operation, it only being necessary to clamp the unit, as a whole, to the compound rest Tee slot and to plug in the motor line at the nearest light socket.
- » » Prices include attachment as illustrated, one aluminum grinding wheel (grain 46, grade M), extension cord, switch and compound rest clamping device.
- » » When ordering, specify characteristics of current.

Motor — 1/3 h. p. ball bearings, fan cooled.

Spindle — Ball bearings, saturated felt oiling.

Speed — 8800 r.p.m. no load, 6000 r.p.m. rated load.

With pulley reversed: 22,500 r.p.m. no load, 15,200 r.p.m. rated load.

Distance from center of tool post to center of spindle, 1 1/8".

Distance from bottom of bracket to center of spindle, 3/4" minimum.

Size Lathe	Size Grinding Wheel	Size of Motor	Price Code Each
10"	4" x 3/8"	1/3 H. P.	AAGED
13"	4" x 3/8"	1/3 H. P.	ABGED
15"	4" x 3/8"	1/3 H. P.	ACGED
17"	4" x 3/8"	1/3 H. P.	ADGED
19"	4" x 3/8"	1/3 H. P.	AEGED
21"	4" x 3/8"	1/3 H. P.	AFGED
24"	4" x 3/8"	1/3 H. P.	AHGED

6-INCH BALL BEARING TOOL SHARPENING BENCH GRINDER

- » » This Grinder was designed to meet the need for an accurate, sturdy grinder to do light grinding, tool grinding, polishing and buffing.
- » » Motors can be furnished for either A.C. or D.C. in following specifications.
- » » This Grinder is not Universal.

Current Specifications	Price Code
110 V. 60 Cy. 1 Ph.	CETAA
220 V. 60 Cy. 1 Ph.	CETBA
110 V. D.C.	CETAD
220 V. D.C.	CETBD

