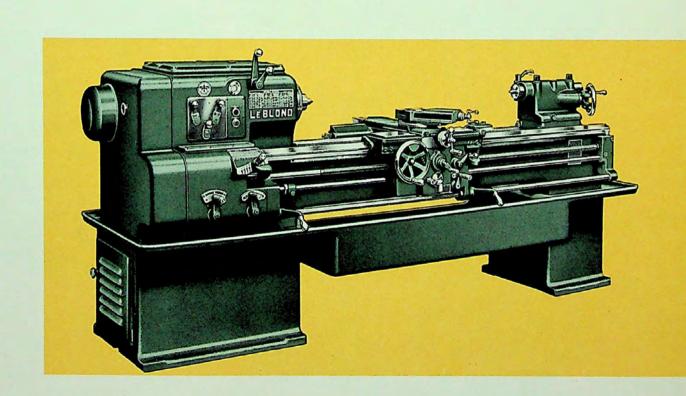
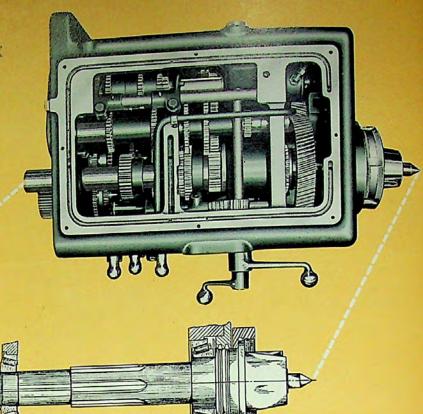


HEAVY LATHE ENGI



24-SPEED GEARED MEADSTOCK

Speeds are chosen simply and quickly by means of three shifting levers. All high speed gears are hardened and ground, shafts run in anti-friction bearings. Forced feed lubrication is provided to all moving parts automatically from an oil reservoir in the bed.





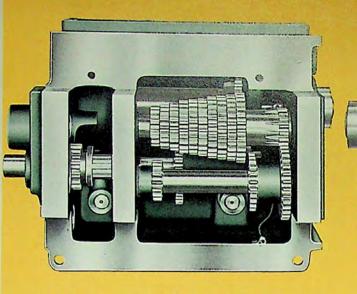
THREE-BEARING SPINDLE

Maintains many times the rigidity of a two-bearing spindle. Reduces weight drag and wear. Runs true under hard use. Front and center bearings provide pre-loaded thrust greater than the heaviest working pressure of the lathe.

LEBLOND

Heavy Duty

ENGINE LATHE

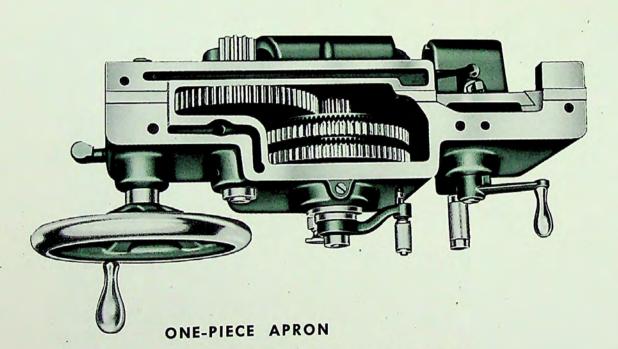




TOTALLY-ENCLOSED QUICK CHANGE BOX

An oil-tight case encloses the gears of this automatically lubricated feed box. Requires no operator attention. Offers 60 changes of feeds

and threads. Quadrant gear and all shafts are mounted on anti-friction bearings.



The apron is a one-piece, double-wall casting. It incorporates a positive-jaw feed clutch with a single lever for both cross and length feed. This construction assures accurate alignment under excessive strains. All bearings in the apron, cross slide and the front and rear ways of the bed are lubricated by a positive "one-shot" system.

CAPACITY	S
Swing over bed and carriage wings 16½" Swing over compound rest 95%" Distance between centers, base length 30"	Z
Center distance increases in increments of	0
Size of tool (forged) 5/8" x 1"	_
Size of tool (tool holder) 5%" x 1 3%" Steady rest capacity	
Follow rest capacity	
Face plate, large, diameter 151/2"	U
HEADSTOCK	
Spindle speeds, number	14-
246, 290, 330, 400, 430, 520, 590, 697, 910, 1250	
Spindle bearing, diameter,	U
front, center, rear 3 5/8", 2 3/8", 2 3/6" Front spindle bearing,	
Timken Precision, outside diameter 6" Radial load at 100 rpm, pounds 7985	0
Thrust load at 100 rpm, pounds 6915	S

Center spindle bearing,
Timken Precision, outside diameter
Badial load at 100 rpm nound
Radial load at 100 rpm, pounds 5205 Rear spindle roller bearing,
outside diameter
nadiai load at 100 fbm, bounds
Spinale size of noie, straight
Spindle, size of taper note. Morse No
Spindle, size of center, Morse No
Spindle nose,
American Standard taper key, size 1-1
Spindle pose dismeter laws and ferminal
Spindle nose, diameter, large end of taper 41/8"
Headstock length on bed 23 1/8"
BED
Length, 30" centers 6'6"
Length increases in increments of 24"
Width 14 3/8"
Depth 14 1/8"
Depth 10 3/8"
CARRIAGE
Length on ways 231/8"
Bearing surface, sq. in
Bridge width
2

Cross slide travel
without taper attachment 121/3"
Cross slide travel with taper attachment 121/2"
Compound rest travel 27/8"
FEEDS-THREADS
Feed and thread changes 60
Feeds, range
Threads per inch, range 2 - 120
Leadscrew diameter and
threads per inch
TAPER ATTACHMENT
Maximum tanar per feet
Maximum taper per foot
Turns at one setting
TAILSTOCK
Spindle diameter 25%"
Center, Morse No
Spindle travel and set-over, right or left. 10", 1"
Length on ways 12 3/8"

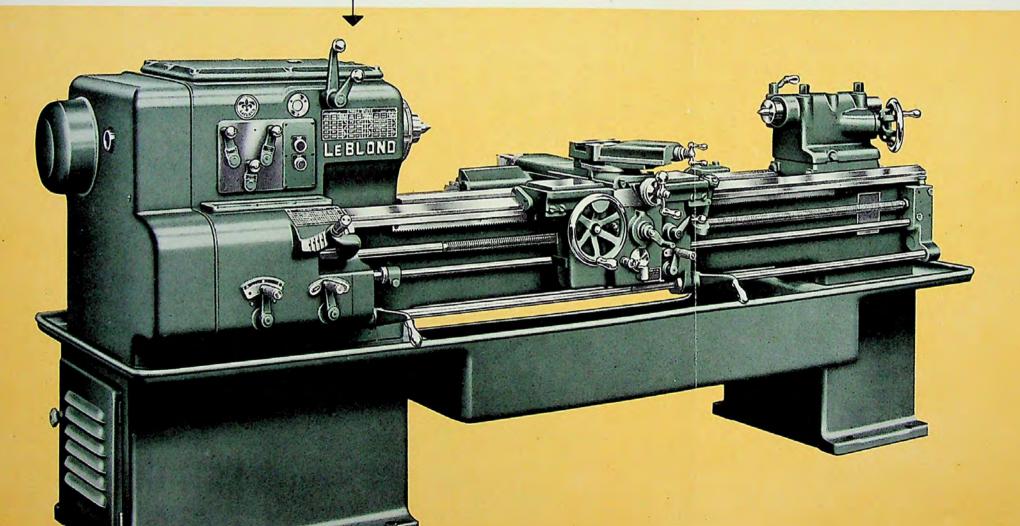
Standard spindle speeds
(max.) 7½ hp, 1800 rpm
Frame size, N.E.M.A 284
WEIGHT-FLOOR SPACE
(30" Center Distance)
Net, lbs
Domestic shipping wt., lbs 4700
Export shipping weight, lbs 5400
Weight each additional 24" of bed, lbs 320
Floor space required
without taper attachment 42" x 95"
Floor space required
with taper attachment 51" x 95"
Distance spindle center to floor 42 3/8"
STANDARD QUICK CHANGE BOX
Threads per inch
2, 21/4, 21/2, 23/4, 21/8, 3, 31/4, 33/8, 31/2, 33/4, 4,

41/2, 5, 51/2, 53/4, 6, 61/2, 63/4, 7, 71/2, 8, 9, 10,

11, 11 1/2, 12, 13, 13 1/2, 14, 15, 16, 18, 20, 22, 23,

24, 26, 27, 28, 30, 32, 36, 40, 44, 46, 48, 52, 54, 56, 60, 64, 72, 80, 88, 92, 96, 104, 108,

MOTOR RECOMMENDED



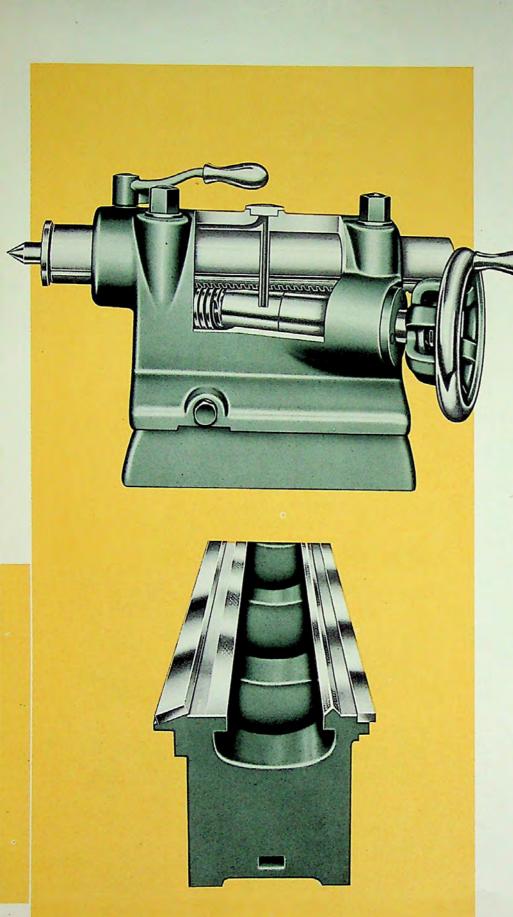
STANDARD EQUIPMENT

112, 120.

Hardened and ground replaceable steel bed ways, front and rear; Two cabinet legs; Small face plate; Compound rest with hinged dirt guard; No. 1 tool post assembly; Chasing dial; Single automatic length stop; Drill sleeve with tang driver; Shear wipers; Centers and necessary wrenches; Arranged for motor drive.

EXTRA EQUIPMENT

Hydra-Trace duplicating attachment; Taper attachment; Chip pan; Steady rest; Follow rest; Large face plate; Turret tool block; Pump, piping and tank; Connected rests; Plain block rests; Positive and automatic length stops; Single or multiple positive cross stops; Coarse threading attachment; Metric transposing gears. World's largest builder of a complete line of lathes.





THE R.K. LeBLOND MACHINE TOOL COMPANY CINCINNATI 8, OHIO, U. S. A.

NEW YORK 6, N. Y.:
Singer Bldg., 149 Brdwy., COrtlandt 7-6621
CHICAGO 6, ILL.:
20 N. Wacker Drive, STate 2-5561
DETROIT 2, MICH.:
New Center Bldg., TRinity 3-5561

THRUST-LOCK TAILSTOCK

This exclusive LeBlond design, incorporating a worm and rack construction, puts the handwheel at a convenient angle to the operator, provides positive safety lock against thrust and exceptionally long travel.

NOTE that the spindle, even when extended, is supported by the full length of the tailstock.

HARDENED AND GROUND REPLACEABLE STEEL BED WAYS

Standard equipment, front and rear, the shears are hardened to 62-65 Rockwell C (600 Brinell). They are fitted to conform to LeBlond's tested and proven compensating vee-way principle.