

LOGAN LATHES

POWERMATIC

HOU DAILLE

McMinnville, Tenn. 37110
AC 615-473-5551

CATALOG FE



**TURN TO THE BADGE
OF PROTECTION.**

**LOGAN LATHES BY
POWERMATIC**




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WARRANTY

This machine and its component parts have been carefully inspected and performance tested at various stages of production and each finished machine is subject to a final inspection before shipment. Powermatic Houdaille agrees that for a period of eighteen (18) months or 3000 hours of use, whichever occurs first from date of delivery from its authorized dealer to repair or replace, at its option, any machine (or component part thereof) proving defective within the above period, F.O.B. its plant, providing such machine (or component part) is returned prepaid to its plant, or to a designated service center of the undersigned, for its examination. This warranty does not include repair or replacement required because of misuse, abuse, or because of normal wear and tear. Nor does it include electrical motors and electrical components which are warranted by their manufacturer and which should be taken to their local authorized repair station. Cost of removal, shipment and reinstallation are not covered hereby. Further, Powermatic Houdaille cannot be responsible for the cost of repairs made or attempted outside of its factory or designated service center without our authorization. No claims for defects will be honored if Serial No. plate has been removed. THIS WARRANTY IS MADE EXPRESSLY IN PLACE OF ALL OTHER WARRANTIES OR GUARANTEES. EXPRESS OR IMPLIED, WITH RESPECT TO FITNESS, MERCHANTABILITY, QUALITY OR OPERATIVENESS. THIS WARRANTY IS MADE ONLY TO THE ORIGINAL PURCHASER AND BECOMES EFFECTIVE ONLY WHEN THE ACCOMPANYING CARD IS FULL AND PROPERLY FILLED OUT AND RETURNED TO THE FACTORY WITHIN TEN (10) DAYS FROM DATE OF DELIVERY.

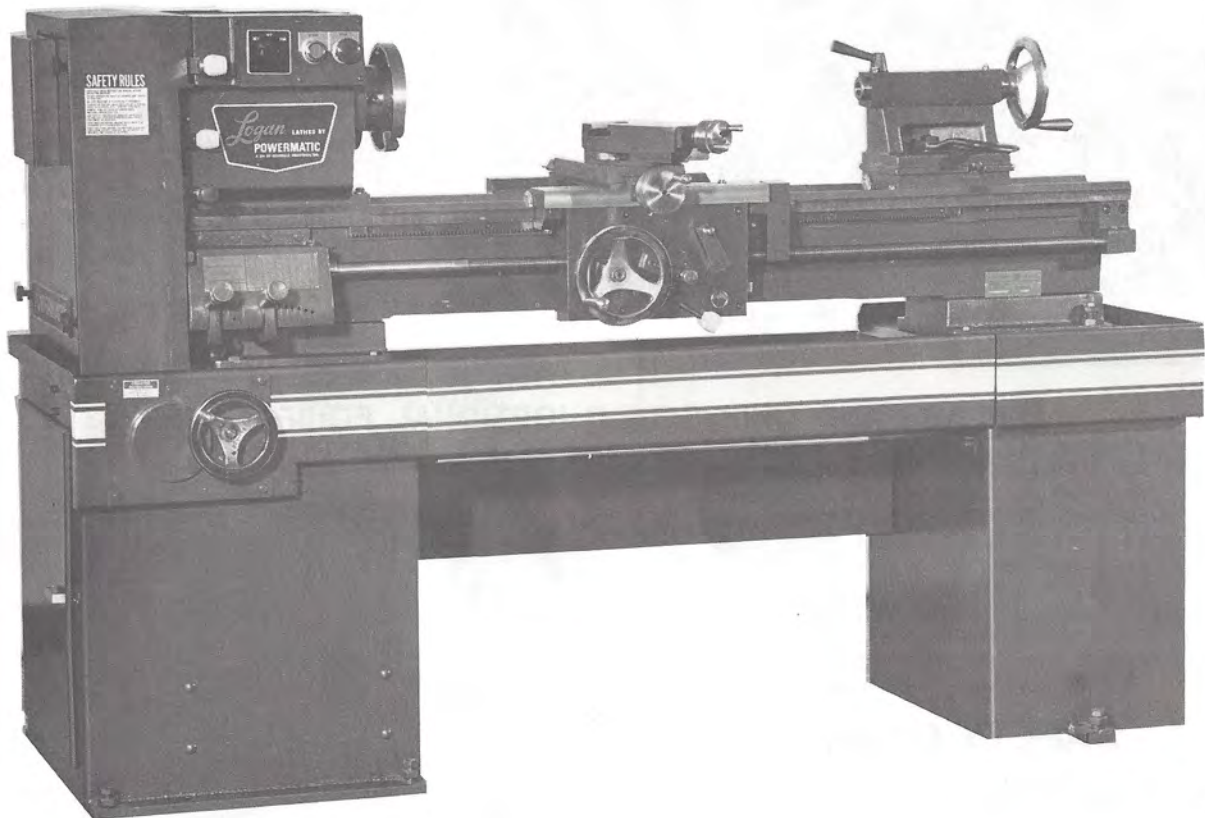
POWERMATIC®  HOUDAILLE®

A PRODUCT OF

POWERMATIC  **HOUDAILLE**

McMinnville, Tennessee 37110

Advanced design... rugged construction



Precision manufacture... sustained accuracy

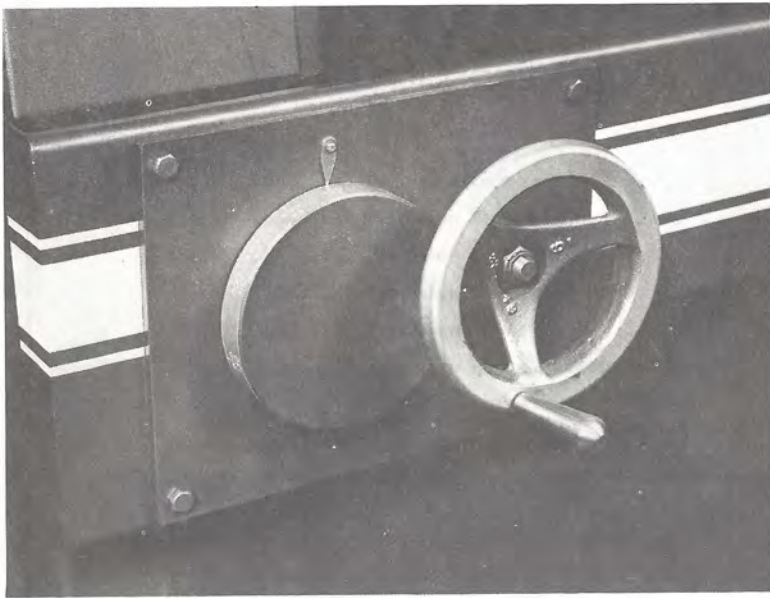
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McMinnville, Tennessee 37110





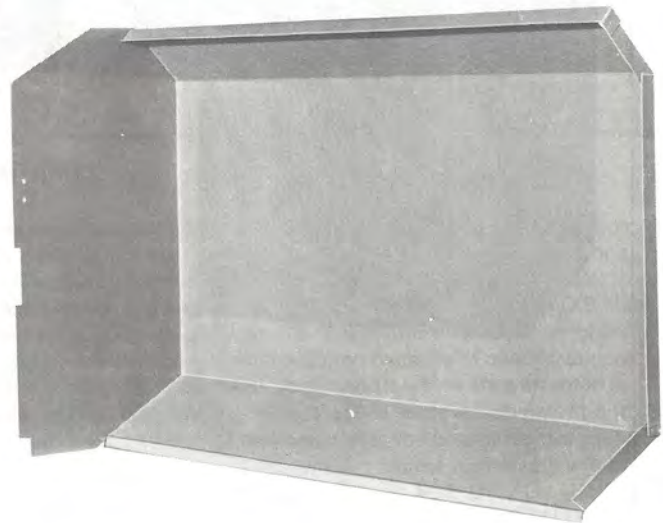
VARIABLE SPEED CONTROL

(STANDARD EQUIPMENT)

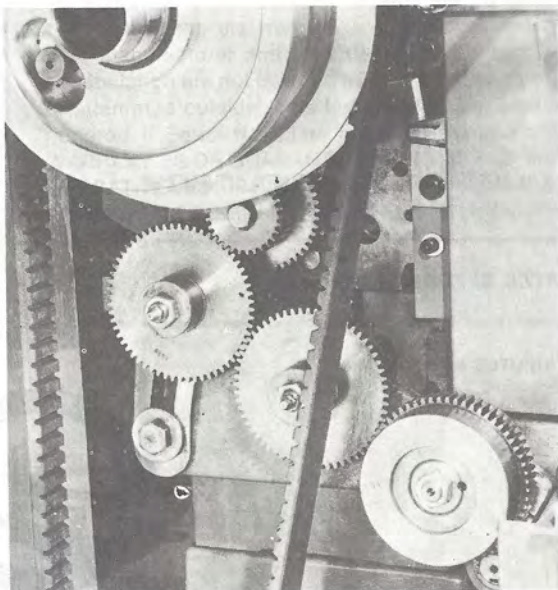
Simply adjust the Speed Control Handle *while the lathe is running* to obtain any desired rpm within the speed range of a Logan Variable Speed drive lathe. There is no stopping of the lathe, no shifting of belts. The speed control handle is synchronized with an easily readable rpm indicator which gives instant visual indication of spindle speed. Motor and drive assembly are enclosed and easily accessible in the lower left compartment of the cabinet base.

SPLASH AND CHIP SHIELD (OPTIONAL EQUIPMENT)

Constructed of heavy gauge sheet steel. Designed to protect personnel in adjacent areas from flying chips, cutting oil and coolant.



SAFETY GEAR (STANDARD EQUIPMENT)



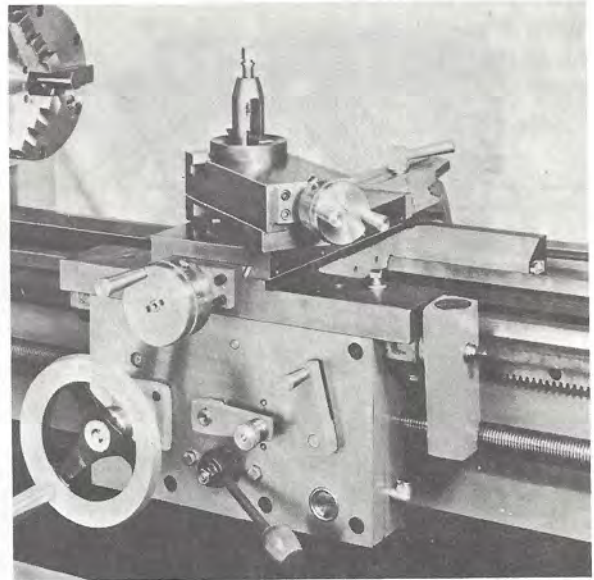
Wide, rugged, machine-cut gears are characteristic of all Logan Lathes. Shown are the quiet running gears of the Logan 14" lathe. Automatic safety Gear is standard equipment on all 14", 12", and 11" lathes.

RUGGED, ACCURATE BED



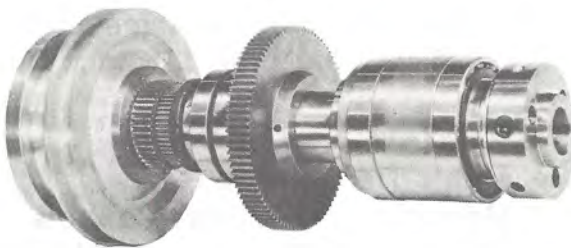
The 14" Precision Logan Lathe bed is 68" (1727.20 mm) long and 10" (254.00 mm) wide, with high strong walls braced by oversized ribs. As with all Logan Lathe beds it withstands the heaviest bending and torsional stresses. Special alloy construction, and thorough seasoning before and between machining operations make the Logan bed warp-free. The two V-ways and two flat ways on every Logan Lathe bed are precision ground. The ways are flame hardened as standard equipment for added wear properties.

CARRIAGE



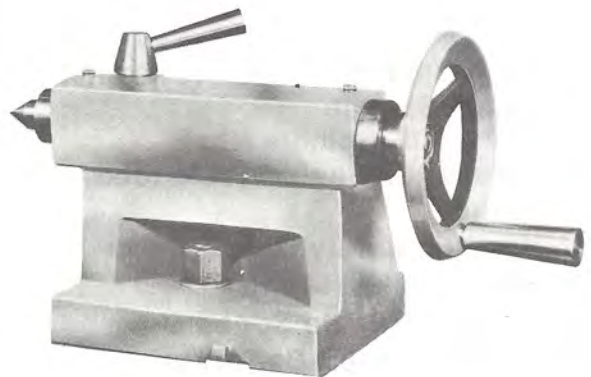
The carriage of every Logan Lathe is built for rigidity, accuracy and convenience. Its double-walled apron, lever operated spring loaded disc type clutch, and large legible dials contribute to safe and easy operation. Large tool post and heavy compound add to rigidity. Longitudinal and cross feeds operate from spline in lead screw through worm drive and friction clutch. Additional half-nut drive from lead screw for thread cutting. Automatic interlock prevents either feed from operating while the other is engaged. Gears run in oil bath.

HEAVY DUTY BALL BEARING SPINDLE ASSEMBLY

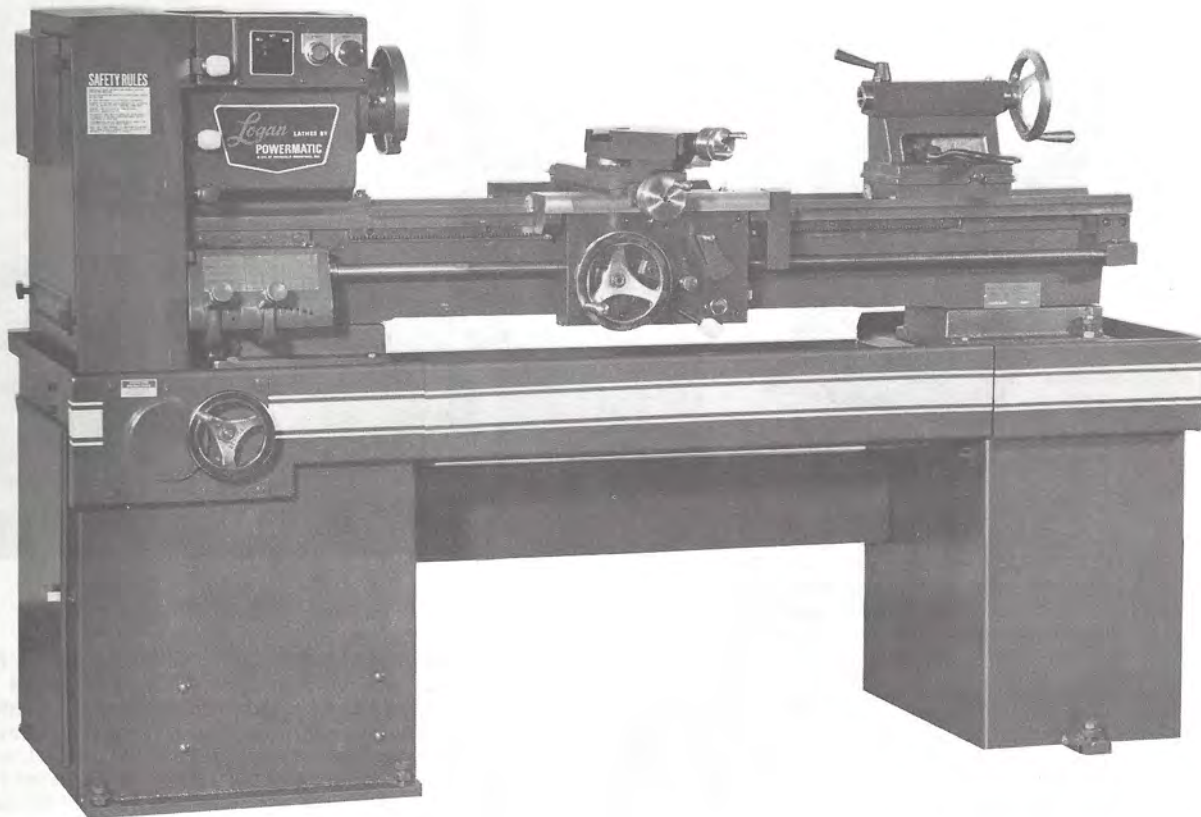


The Headstock of every Logan Lathe is designed, built and balanced for rigidity, and smooth power, free from noise and vibration."

RIGIDLY CONSTRUCTED TAILSTOCK



"#3 MORSE TAPER TANG type quill furnished with all Model Lathes."



STOCK NO. 1140010, shown with optional Electrical Control and Chip and Splash Shield

FEATURES

- 1 $\frac{5}{8}$ " (41.28 mm) or 1 $\frac{3}{8}$ " (34.92 mm) Hole Through Spindle
- D1-4" or L00 Spindle Nose
- Permanently Sealed Preloaded Ball Bearings
- Automatic Safety Gear
- 5 HP (3.730 kw) Motor
- Infinitely Variable Speed Drive
- Flame Hardened Bed-ways
- Magnetic Controls
- Safety Brake

- Pull-out Chip Pan
- 1 $\frac{1}{8}$ " (28.58 mm) — 8 Acme Lead Screw
- #3 M. T. Tang Type Tallstock Quill

OPTIONAL:

- Metric Transposing Gears
- Magnetic Low Voltage Controls
- Inch-Metric Compound and Cross Feed Dials
- Safety Chip and Splash Shield
- See pg. 8, 19-25 for additional accessories

The extra dependability built into every part of Logan Precision Lathes is a plus factor for the demanding production requirements of the profit conscious shop. With the Logan variable speed drive, spindle speed can be changed any time the spindle is turning.

The oversize spindle with a 1½" (41.28 mm) (D1-4), or 1¾" (34.92 mm) (L00) bore, turns on permanently sealed Preloaded Ball Bearings.

No adjustment is required within the full range of spindle speeds.

New design features include 5 HP (3.730 kw) for the 14" Precision Lathe, a D1-4", or L00 spindle nose, automatic safety gears, #3 Morse Taper tang type tailstock quill, flame hardened ways and many other desirable improvements which contribute to added years of accurate precision capabilities of the Logan Lathe.

STANDARD EQUIPMENT

Drive Plate 7½" (190.50 mm)
(2) #3 M. T. Centers
Threading Dial
Threading Chart

Safety Brake
Tool Post and Wrench
Automatic Safety Gear
Spindle Adapter Sleeve to #3 M.T.

Tailstock Wrench
Parts Catalog
Instruction Manual
Flame Hardened Bedways

BASIC 14" LOGAN PRECISION LATHES

1140010—14" Precision Logan Lathe, D1-4" (101.60 mm) cam lock spindle nose, 1½" (41.28 mm) hole through spindle, 42" (1066.80 mm) center distance, infinitely variable speed drive, flame hardened bed, safety brake, with all standard equipment. Less: Motors and Controls.

1140005—14" Precision Lathe, L00 spindle nose with 1¾" (34.92 mm) hole through spindle, 42" (1066.8 mm) center distance, infinitely variable speed drive, flame hardened bed, safety brake with all standard equipment. Less: Motor and Controls.

MOTORS FOR SERIES 6565 LOGAN PRECISION LATHES

6472205 — TEFC, 184 T frame, 5 HP (3.730 kw), 1800 RPM (188.50 rad/s), 3 Ph, 60 Hz, 208/230/460vShipping Wt. 78 lbs (35.4 kg)

(OTHER VOLTAGES AND FREQUENCIES AVAILABLE ON REQUEST)

ELECTRICAL CONTROLS FOR USE WITH 14" LATHES

2398456 — 3 Ph, Drum Switch with Magnetic Starter

2398458 — 3 Ph, Reversing Magnetic Starter and 24v Controls

ALL CONTROLS ARE REVERSING TYPE

SPECIFICATIONS

CAPACITIES

Swing over bed14½" (371.47 mm)
Swing over cross slide9" (228.60 mm)
Between centers42" (1066.80 mm)

THREADS AND FEEDS

Quick change gear box and automatic apron.
Worm drive from lead screw spline for power feeds.
Longitudinal Feed .0006" per rev (2.426E-03 mm/rad
and (.015 mm/rev) to .0350 per rev. 1.415E-01 mm/rad)
and (.889 mm/rev).
Cross feed 0.6 times longitudinal feed.
Half nut drive from lead screw for thread cutting.
Threads, 48 selections R.H. or L.H. 4 to 224 per inch.
1½" (28.58 mm)—8 Acme lead screw.

HEADSTOCK AND SPINDLE

Hole through spindle1¾" (32.92 mm) or 1½" (41.28 mm)
Nose mounted collet capacity1½" (38.10 mm)
Draw-in type collet capacity1 1/16" (26.99 mm)
Spindle bearings: preloaded, permanently sealed
Ball Bearings.
Heat-treated and ground steel
spindle noseL00 or D1-4".
Collet size5C

SPINDLE SPEEDS

Direct Drive340 (35.61 rad/s) to 2000 (209.44 rad/s) RPM
Back gear engaged ...55 (5.76 rad/s) to 310 (32.46 rad/s) RPM

CROSS SLIDE AND COMPOUND

Cross slide travel10" (254.00 mm)
Compound slide travel4" (101.60 mm)
Compound swivel graduated 90° in both directions.
Tool post opening for ½" (12.70 mm x 1½" (28.58 mm) tool holder.

BED

Width of bed across ways10" (254.00 mm)
Length of bed68" (1727.20 mm)
Precision ground ways, two prismatic V-ways, and two flat
FLAME HARDENED ways.

TAILSTOCK

Quill-travel5½" (139.70 mm)
Quill—graduation1/16" (1.59 mm)
Morse taper center#3
Morse taper with tang type quill#3
Tailstock set-over for taper turning9/16" (14.29 mm)

DRIVE

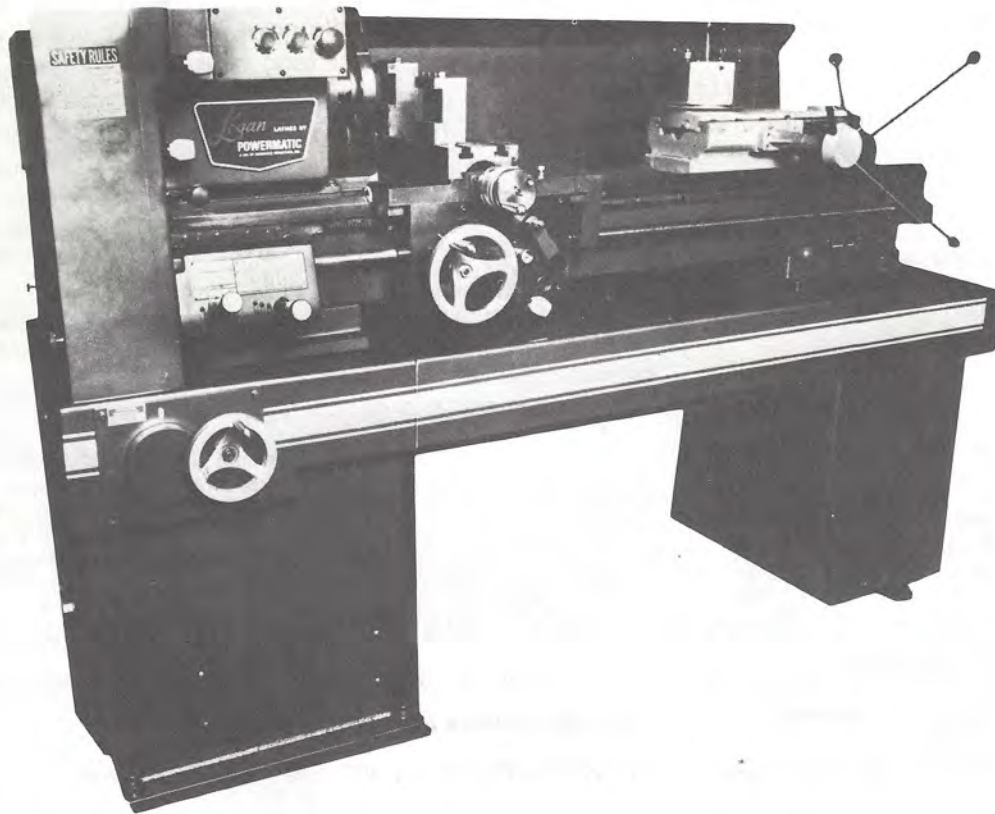
Infinitely Variable Speed55-2000 RPM
Overall length 78¼" (2000.25 mm), width 27" (685.80 mm) and
height 54" (1371.60 mm).
Approximate shipping weight1820 lbs. (825.4 kg)

Logan[®] LATHES

by **Powermatic[®]**

**MODEL
6565**

**14" PRECISION
TURRET LATHE
1 $\frac{1}{8}$ " SPINDLE HOLE**



STOCK NO. 1140015, shown with Optional Electrical Controls and Chip and Splash Shield

FEATURES

- 1 $\frac{1}{8}$ " (41.28 mm) Hole Through Spindle
- D1-4" (101.60 mm) Spindle Nose
- Permanently Sealed Preloaded Ball Bearings
- Automatic Safety Gear
- 5 HP (3.730kw) Motor
- Infinitely Variable Speed Drive
- Flame Hardened Bed-ways
- Magnetic Controls
- Safety Brake
- Pull-out Chip Pan
- 1 $\frac{1}{8}$ " (28.58 mm) — 8 Acme Lead Screw
- Ram Type Turret

OPTIONAL:

- Metric Transposing Gears
- Magnetic Low Voltage Controls
- Inch-Metric Compound and Cross Feed Dials
- Safety Chip & Splash Shield
- See pg. 8, 19-25 for additional accessories.

14" TURRET LATHE

Extra heavy turret construction assures maximum smoothness and accuracy with this Logan Lathe. Sound basic engineering, together with progressive innovations and improvements, makes the Logan Lathe a shop investment second to none.

Speed, flexibility and dependability, all qualities of the Logan Lathe, are requisites for profitable operation.

STANDARD EQUIPMENT

Drive plate, 7 1/2" (190.50 mm)
Threading Dial
Threading Chart
Safety Brake

(2) Tool Post and wrench.
Automatic Safety Gears
Double Tool Cross Slide

Pilot wheel turret
Parts Catalog
Instruction Manual
Flame Hardened Bedways

BASIC 14" PRECISION TURRET LATHES

1140015—14" Precision Logan Turret Lathe, D1-4" (101.60 mm) cam lock spindle nose, 1 1/8" (41.28 mm) hole through spindle, 68" (1727.20 mm) flame hardened bed, infinitely variable speed drive, 1 1/8" (28.58 mm) Acme lead screw, apron with half nut, safety brake, self

indexing hexagon turret, with all standard equipment. Less Motor and controls.
Overall length 78 3/4" (2000.25 mm), width 27" (685.8 mm), height 54" (1371.60 mm).
Approximate shipping weight. Wt. 1970 lbs. (889.9 kg)

MOTORS FOR USE WITH SERIES 6565 LATHES

6472205 — TEFC, 184T frame, 5 HP (3.730 kw), 1800 RPM (188.50 rad/s), 3 Ph, 60 Hz 208/230/460vWt. 78 lbs. (35.4 kg)

OTHER VOLTAGES AND FREQUENCES AVAILABLE UPON REQUEST

ELECTRICAL CONTROLS FOR USE WITH 14" LATHES

2398456 — 3 Ph, Drum Switch with Magnetic Starter.

2398458 — 3 Ph, Reversing Magnetic Starter and 24v Controls.

ALL CONTROLS ARE REVERSING TYPE

SPECIFICATIONS

CAPACITY OF LATHE

Swing over bed14 5/8" (371.48 mm)
Swing over cross slide6 7/8" (174.60 mm)

THREADS AND FEEDS.

Quick change gear box and automatic apron.
Worm drive from lead screw spline for power feeds.
Longitudinal feed .0006" to .0350" .015 mm/rev to .889 mm/rev) per spindle revolution.
Cross feed, 0.6 times longitudinal feed.
Half nut drive from lead screw thread for thread cutting.
Threads, 48 selections R.H. or L.H. 4 to 224 per inch.
Lead screw 1 1/8"-8 Acme. (28.58 mm)

HEADSTOCK AND SPINDLE

Nose mounted collet capacity1 1/2" (1.119 kw)
Draw-in collet capacity1 1/16 (26.99 mm)
Hole through spindle1 1/8" (41.28 mm)
Spindle bearings: Precision preloaded and permanent sealed ball bearings.
Heat-treated and ground steel spindle.
Spindle noseD1-4 (101.60 mm)
Collet size5C

SPINDLE SPEEDS

Direct drive340 to 2000 RPM (35.60 rad/s to 209.44 rad/s)
With Back gears engaged55 to 310 RPM (5.76 rad/s to 32.46 rad/s)

DOUBLE TOOL POST CROSS SLIDE

Cross slide travel10" (254.0 mm)
Cross slide graduated in thousandths with position indicators.
Adjustable stops for cross slide movement.
Adjustable double tool post with adjustable wedges.
Tool post slot5/8" x 2 1/4" (15.88 mm to 57.15 mm)

BED

Width of bed across ways10" (254.00 mm)
Length of bed68" (1727.20 mm)
Precision ground ways, two prismatic V-ways and two flat ways, FLAME HARDENED.

DRIVE

Infinitely variable speed.

HEXAGON TURRET

Turret head indexes and locks automatically.
Width of turret block across flats7" (177.80 mm)
Maximum travel at one setting6 1/2" (165.10 mm)
Slide length16 1/2" (419.10 mm)
Base length11 3/4" (1298.45 mm)
Turret hole diameter1 1/2" (38.10 mm)

OVERALL DIMENSIONS. Lathe Less Accessories.

Length92" (2311.40 mm)
Width30" (762.0 mm)
Height51" (1295.40 mm)

All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.

ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT

OPTIONAL ACCESSORIES FOR ALL 14" LOGAN PRECISION LATHES

3-JAW ADJUST TRU CHUCKS

2085022—6", L00 Spindle	
2085023—6", D1-4" Spindle	35 lbs. (15.9 kg)
2085025—7½", L00 Spindle	
2085027—7½", D1-4" Spindle	44 lbs. (20.0 kg)
2085029—9", L00 Spindle	
2085031—9", D1-4" Spindle	88 lbs. (39.9 kg)

6-JAW ADJUST-TRU CHUCKS

2085012—6", L00 Spindle	
2085014—7½", L00 Spindle	
2085016—7½", D1-4" Spindle	44 lbs. (20.0 kg)
2085017—9", L00 Spindle	
2085019—9", D1-4" Spindle	88 lbs. (39.9 kg)

4-JAW INDEPENDENT CHUCKS

2085034—6", 4 Jaw L00 Spindle	
2085035—6", D1-4" Spindle	21 lbs. (9.5 kg)
2085038—8", D1-4" Spindle	27 lbs. (12.2 kg)
2085040—10", 4 Jaw L00 Spindle	
2085042—10", D1-4" Spindle	70 lbs. (31.7 kg)

3-JAW UNIVERSAL CHUCKS WITH REMOVABLE TOP JAWS

6118045—6" D1-4" Spindle	38 lbs. (17.2 kg)
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JACOBS AND MORSE TAPER CHUCKS

6118045—6", D1-4" Spindle	38 lbs. (17.2 kg)
6118051 chucks	1 lb. (.45 kg)
6023009—#3 M.T. chuck arbor for 6118050 chuck	1 lb. (.45 kg)
6118026—3/16" (4.76 mm) to 3/4" (19.05 mm) drill chuck. Requires arbor 6023004	3½ lbs. (1.6 kg)
6118050—0" to 1/2" (12.70 mm) drill chuck. Requires arbor 6023009	2½ lbs. (1.1 kg)
6118051—1/4" (6.35 mm) to 3/4" (19.05 mm) center rest chuck, requires arbor 6023004	2 lbs. (.9 kg)

PRODUCTION COLLET ATTACHMENTS (Use #5C Collets)

2091023—For 14" Lathe w/L00 Spindle	32 lbs. (14.5 kg)
2091025—For 14" Lathe w/D1-4" Spindle	32 lbs. (14.5 kg)

DRAW-IN COLLET ATTACHMENTS (Use #5C Collets)

2091017—For 14" Lathe w/D1-4" Spindle	14 lbs. (6.3 kg)
2028057—For 14" Lathe w/L00 Spindle	14 lbs. (6.3 kg)

COLLETS AND COLLET RACK

Order by size. 5C Collets, sizes 1/16" (1.59 mm) to 1 1/16" (26.99 mm) by 32nds (ea) for 14" Lathes	¾ lbs. (.3 kg)
2380001—Set of 16 #5C collets, 1/16" (1.59 mm) to 1" (25.40 mm) by 1/16ths (set)	9 lbs. (4.0 kg)
2380002—Set of 31 #5C collets, 1/16" (1.59 mm) to 1" (25.40 mm) by 32nds (set)	13 lbs. (8.1 kg)
2645007—Collet rack for #5C collets	7 lbs. (3.1 kg)

TOOL POSTS

6649003—Turret Tool Post for 14" Precision Lathes	17 lbs. (7.7 kg)
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CARRIAGE STOP AND RESTS

2761014—Threading Stop	3 lbs. (1.3 kg)
2761015—Multiple Carriage Stop	12 lbs. (5.4 kg)
2761016—Micrometer Carriage Stop	5 lbs. (2.2 kg)
2658017—Steady Rest	23 lbs. (10.4 kg)
2658018—Follower Rest	9 lbs. (4.0 kg)

MISCELLANEOUS

2040034—Heavy Duty Boring Bar Set	23 lbs. (10.4 kg)
2240037—Metric Transposing Gears	35 lbs. (15.8 kg)
2250172—Safety Shield and Splash Shield	
2730031—Double Tool Cross Slide	
2799005—Telescopic Taper Attachment	60 lbs. (27.2 kg)
2800015—Lever Tailstock, #3 M.T., Stroke 5½" (139.70 mm)	115 lbs. (52.1 kg)
6112008—Anti-friction Center #3 Morse Taper Shank	4 lbs. (1.8 kg)
6160005—Heavy Duty Coolant Pump	38 lbs. (17.2 kg)
6200005—Inch-Metric Dials for Cross Slide	
6200006—Inch-Metric Dials for Compound Slide	
6448015—Adjustable Machine Light, with safety heat shield	5 lbs. (2.2 kg)

TO CONVERT STANDARD 14" LATHES

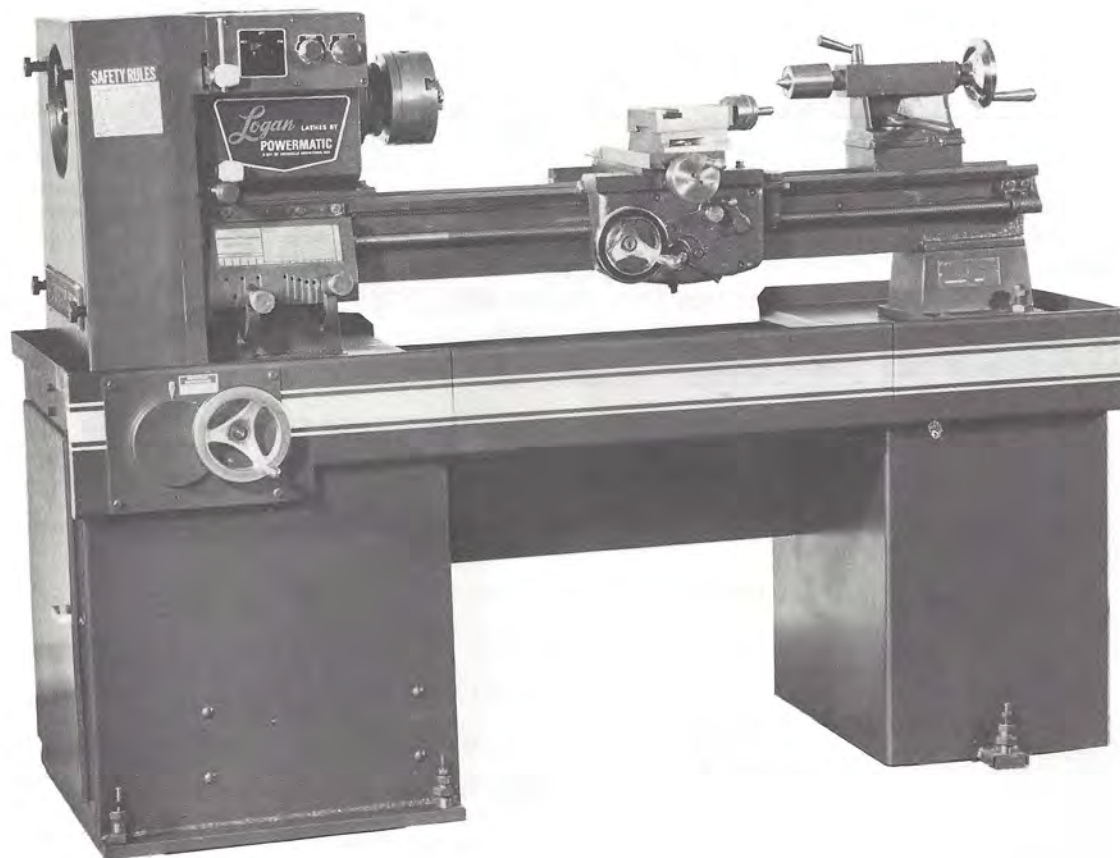
9200004—Lever Operated Tailstock (in lieu of standard)	
9200015—Metric Transposing Gears (in lieu of standard)	

Logan[®] LATHES

by Powermatic[®]

MODEL
2500

12" PRECISION
LATHES
1³/₈" SPINDLE HOLE



STOCK NO. 1120004, shown with Optional Electrical Controls

12" PRECISION LATHES

- 1³/₈" (34.92 mm) Hole Through Spindle
- Precision Ground Ball Bearing Spindle
- L00 or 2¹/₄-8 THD. Spindle Nose
- 2 HP (1.492 kw) Motor
- Automatic Safety Gear
- Infinitely Variable Speed Drive
- Pull-Out Chip Pan
- #3 M. T. Tang Drive, Tailstock
- Flame Hardened Bedways
- Magnetic Controls
- Safety Brake

OPTIONAL

- Magnetic Low Voltage Controls
- Inch-Metric Compound and Cross Feed Dials
- Metric Transposing Gears
- Safety Chip and Splash Shield
- See pg. 13, 19-25 for additional accessories

Accuracy and smooth power are designed and built into these rugged, precision Lathes. Gears are extra wide and strong. Shafts are extra heavy. Lead screws are ⁷/₈" (22.23 mm) -8 Acme. The precision carriage rides on a two V-and two flat-way bed that is rugged, precision ground and warp free. The heavy special alloy spindle turns on four oversize, permanently lubricated, preloaded and shielded ball bearings. This construction requires no bearing adjustment for any speed within its wide RPM range.

This advanced design plus precise, extra heavy construction and dynamic testing of every completed Lathe, combine to assure sustained accuracy and smooth, quiet operation.

Compact all steel cabinet bases provide a modern appearance and conserve floor space.

The Variable Speed Drive provides rapid adjustment of spindle speed.

STANDARD EQUIPMENT

Drive Plate 7" (177.80 mm)
(2) 60° centers
Threading dial
Threading Chart
Safety Brake

Flame Hardened Bedways
#3 Morse Taper adapter sleeve
Tool post and wrench
Tailstock wrench
Automatic safety gear
Repair Parts and Instruction Book

BASIC 12" LOGAN PRECISION LATHES

1120004—12" Logan Precision Lathe, L00 spindle nose, 1 3/8" (34.92 mm) hole through spindle, 34" (863.60 mm) center distance, infinitely variable speed drive, safety brake, flame hardened bedways with all standard equipment. Less: Motor and Controls.

1120003—12" Logan Precision Lathe, 2 1/4-8 thd spindle nose, 1 3/8" (34.92 mm) hole through spindle, 35" (863.6 mm) center distance, infinitely variable speed drive, safety brake, flame hardened bedway, with all standard equipment, less motor and controls.

MOTORS FOR 2500 SERIES LATHES

6471622 — TEFC, 145T frame, 2 HP (1.492 kw) 1800 RPM (188.50 rad/s) 3 PH. 60 Hz, 208/230/460V ...Wt. 41 lbs. (18.6 kg)

6471625 — TEFC, 145T frame, 2 HP (1.492 kw) 1800 RPM (188.50 rad/s), 1 Ph, 60 Hz, 115/230VWt. 57 lbs. (25.9 kg)

OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST

ELECTRICAL CONTROLS FOR 2500 SERIES LATHES

2398455 — 1 Ph, Drum Switch with Magnetic Starter
2398456 — 3 Ph, Drum Switch with Magnetic Starter

2398458 — 3 Ph, Reversing Magnetic Starter and 24V Controls

ALL CONTROLS ARE REVERSING TYPE

SPECIFICATIONS

CAPACITIES

Swing over bed12" (304.80 mm)
Swing over saddle cross slide7 1/4" (184.15 mm)
Center distance34" (863.60 mm)

THREADS AND FEEDS

Quick change gear box and automatic apron
Worm Drive from lead screw spline for power feeds
Longitudinal feed .0018" (.046 mm/rev) to .1000" (2.54 mm/rev) per spindle revolution
Cross feed 0.25 times (x) longitudinal feed.
Half nut drive from lead screw thread for thread cutting
Threads 48 selections RH or LH, 4 to 224 threads per inch
Lead screw 7/8" (22.23 mm) -8 Acme

HEADSTOCK AND SPINDLE:

Spindle bearings: Shielded, permanently lubricated, pre-loaded, ball bearings.
Heat treated and ground spindle.
Hole through spindle1 3/8" (34.92 mm)
Draw-in collet capacity1 1/16" (26.99 mm)
Nose mounted collet capacity1 1/2" (38.10 mm)
Spindle nose2 1/4-8 THD or L00
Spindle nose adapter to #3 Morse taper
Collet size5C

SPINDLE SPEEDS

Direct drive340 to 2000 RPM (35.60 to 209.44 rad/s)
Bear gear engaged55 to 310 RPM (5.76 to 32.46 rad/s)

CROSS SLIDE AND COMPOUND

Cross slide travel6 1/4" (158.75 mm)
Compound slide travel2 1/4" (57.15 mm)
Compound swivel graduated 90° in both directions.
Tool post opening for tool holder3/8" by 3/4" (9.52 mm by 19.05 mm)

BED

Width of bed across ways6 15/16" (176.21 mm)
Length of bed55" (1397.00 mm)
Precision ground ways, 2 prismatic V-ways and 2-flat ways, FLAME HARDENED.

TAILSTOCK

Quill — travel3 1/2" (88.90 mm)
Quill — graduation1/16" (1.59 mm)
Morse taper, tang type quill#3
Tailstock setover for taper turning1 1/16" (17.46 mm)

DRIVE

Infinitely variable speed, 55-2000 RPM

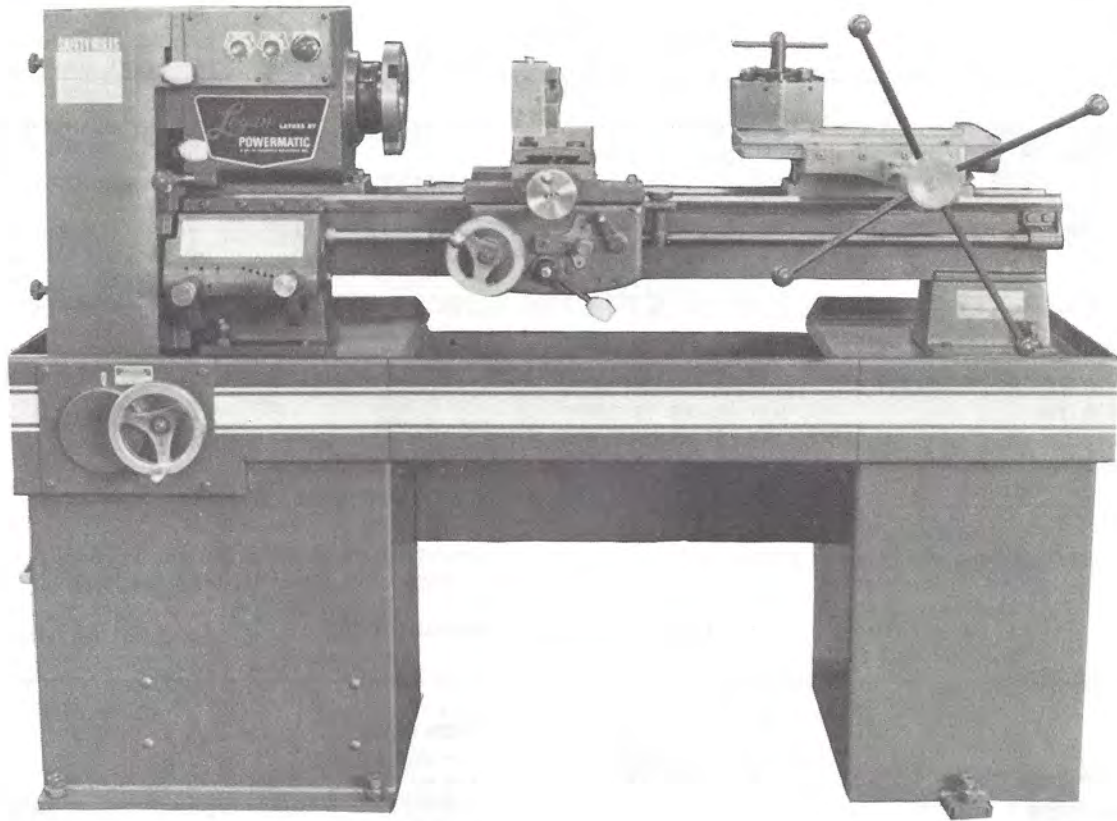
DIMENSIONS

Overall length 66 3/4" (1695.45mm), width 30" (762.00 mm), height 47 3/4" (1212.85 mm)

Approximate shipping weight1060 lbs(480.7 kg)

Specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.

ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT



STOCK NO. 1121007, shown with Optional Electrical Controls

12" LOGAN PRECISION TURRET LATHES

- 2 HP Motor (1.492 kw)
- L00 Spindle Nose
- 1³/₈" (34.92 mm) Hole Through Spindle
- Precision Ground Ball Bearing Spindle
- Variable Speed Drive
- Automatic Safety Gear
- Pull-out Chip Pan
- Flame Hardened Ways
- Magnetic Controls
- Safety Brake

OPTIONAL

- Metric Transposing Gears
- Magnetic Low Voltage Controls
- Inch-Metric Compound & Cross Feed Dials
- Safety Splash & Chip Shield
- See pg. 13, 19-25 for additional accessories

The outstanding features of the 12" Precision Turret Lathe, are the extra weight, ruggedness, careful design, construction, heavy-duty spindle and oversize ball bearings, contribute to the accuracy and long life of the Logan 12" Precision Turret Lathe. With many years of operation under all conditions, Logan Lathes are acknowledged leaders in their field.

STANDARD EQUIPMENT

Threading dial
Threading chart
Automatic safety gear

Drive plate, 7" (177.80 mm)
Safety Brake
(2) tool posts and wrench
Double Tool Cross slide

Parts list and instruction manual
Flame hardened bedways

BASIC 12" PRECISION TURRET LATHES

1121007—12" Logan Precision Turret Lathe, L00 spindle nose, 13/8" (34.92 mm) hole through spindle, infinitely variable speed drive, 55" (24.9 kg) bed. Hexagon turret, all standard equipment, safety brake, flame hardened bedways. Less: Motor and Controls.

Overall length663/4 (1695.45 mm), width 30" (762.00 mm), height 473/4" (1212.85 mm).
Approximate shipping weight1110 lbs. (503.94 kg).

MOTORS FOR 2500 SERIES LATHES

6471622 — TEFC, 145T frame, 2 HP (1.492 kw), 1800 RPM (188.50 rad/s), 3 Ph, 60 Hz, 208/230/460VWt. 41 lbs (18.6 kg)

6471625 — TEFC, 145T frame, 2 HP (1.492 kw), 1800 RPM (188.50 rad/s), 1 Ph, 60 Hz, 115/230vWt. 57 lbs. (25.9 kg)

OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST

ELECTRICAL CONTROLS FOR 2500 SERIES LATHES

2398455 — 1 Ph, Drum Switch with Magnetic Starter

2398456 — 3 Ph, Drum Switch with Magnetic Starter
2398458 — 3 Ph, Reversing Magnetic Starter and 24V Controls

ALL CONTROLS ARE REVERSING TYPE

SPECIFICATIONS

CAPACITIES

Swing over bed12" (304.80 mm)
Swing over saddle cross slide65/8" (155.58 mm)

THREADS AND FEEDS

Quick change gear box and automatic apron.
Worm drive from lead screw spline for power feeds.
Longitudinal feed .0018" (.0457 mm) to .1000" (2.54 mm) per spindle revolution.
Cross feed 0.25 times (x) longitudinal feed.
Half nut drive from lead screw thread for thread cutting.
Threads 48 selections RH or LH, 4 to 224 threads per inch.
Lead Screw, 7/8" (22.23 mm) -8 Acme.

HEADSTOCK AND SPINDLE

Spindle Bearings:
4 permanently lubricated, pre-loaded and shielded ball bearings.
Heat treated and ground spindle.
Hole through spindle13/8" (34.92 mm)
Draw-in collet capacity1 1/16" (26.99 mm)
Nose mounted collet capacity1 1/2" (38.1 mm)
Spindle noseL00
Spindle nose adapter to #3 Morse Taper.
Collet Size5C

SPINDLE SPEEDS

Direct Drive,340 to 2000 RPM (35.60 rad/s to 209.44 rad/s)
Back gear engaged,55 to 310 RPM (5.76 rad/s to 32.46 rad/s)

CROSS SLIDE

Cross slide travel65/8" (168.28 mm)
Cross slide dial graduated in thousandths.
Adjustable double tool post with adjustable wedges.
Tool post openings, 7/16" x 1 9/16".

BED

Width of bed across ways6-15/16" (176.21 mm)
Length of bed55" (1397.00 mm)
Precision ground ways, 2 prismatic and 2 flat ways FLAME HARDENED.

HEXAGON TURRET

Distance across flats5-5/8" (142.88 mm)
Six position, self indexing with adjustable stops.
Turret bore diameter1" (25.40 mm)
Maximum stroke of turret7 1/2" (190.50 mm)
Slide length16 1/2" (419.10 mm)
Base length11 3/4" (298.45 mm)

DRIVE

Infinitely variable speed, 55-2000 RPM.

OPTIONAL ACCESSORIES FOR ALL 12" LOGAN PRECISION LATHES

CHECK AVAILABLE CHUCKS

3-JAW ADJUST-TRU CHUCKS

2085021—6" (152.4 mm), 2¼-8 THD	Wt. 35 lbs (15.9 kg)
2085022—6" (152.4 mm), L00 spindle	Wt. 35 lbs (15.9 kg)
2085024—7½" (190.5 mm), 2¼-8 THD	Wt. 44 lbs (20.0 kg)
2085025—7½" (190.5 mm), L00 spindle	Wt. 44 lbs (20.0 kg)
2085028—9" (228.6 mm), 2¼-8 THD	Wt. 88 lbs (36.3 kg)
2085029—9" (228.6 mm), L00 spindle	Wt. 88 lbs (36.3 kg)

6-JAW ADJUST-TRU CHUCKS

2085011—6" (152.4 mm), 2¼-8 THD	Wt. 35 lbs (15.9 kg)
2085012—6" (152.4 mm), L00 spindle	Wt. 35 lbs (15.9 kg)
2085013—7½" (190.5 mm), 2¼-8 THD	Wt. 44 lbs (20.0 kg)
2085014—7½" (190.5 mm), L00 spindle	Wt. 44 lbs (20.0 kg)
2085017—9" (228.6 mm), L00 spindle	Wt. 44 lbs (20.0 kg)

4-JAW INDEPENDENT CHUCKS

2085033—6" (152.4 mm), 2¼-8 THD	Wt. 21 lbs (9.5 kg)
2085034—6" (152.4 mm), L00 spindle	Wt. 21 lbs (9.5 kg)
2085036—8" (203.2 mm), 2¼-8 THD	Wt. 27 lbs (12.2 kg)
2085037—8" (203.2 mm), L00 spindle	Wt. 27 lbs (12.2 kg)

JACOBS CHUCKS AND ARBORS

6023004—#3 M. T. Arbor for 6118026 and 6118051 Jacobs Chuck	Wt. 1 lb. (.45 kg)
6023009—#3 M. T. Arbor for 6118050 Jacobs Chuck	Wt. 1 lb. (.45 kg)
6118026—3/16" (4.76 mm) to ¾" (19.05 mm) capacity Jacobs Chuck	Wt. 4 lbs. (1.8 kg)
6118050—0" to ½" (12.70 mm) capacity Jacobs Chuck	Wt. 2½ lbs (1.1 kg)
6118051—¼" (6.35 mm) to ¾" (19.05 mm) capacity Jacobs center rest chuck	Wt. 2 lbs. (.9 kg)

PRODUCTION COLLET ATTACHMENTS (USE 5C COLLETS)

2091027—Production collet attachment for L00 spindle	Wt. 23 lbs. (10.4 kg)
2091029—Production collet attachment for 2¼-8 spindle	Wt. 23 lbs. (10.4 kg)

DRAW IN COLLET ATTACHMENTS (USE 5C COLLETS)

2091011—Draw in collet attachment for L00 spindle	Wt. 12 lbs (5.4 kg)
2091009—Draw in collet attachment for 2¼-8 spindle	Wt. 12 lbs (5.4 kg)

COLLETS & COLLET RACKS

(Order by size)

5C Draw-in Collets, sizes 1/16" (1.59 mm) to 1/16" (26.99 mm) by 32nds, (.79 mm) (Round) Wt. ¾ lb (.3 kg)

(Order by size) for 12" Lathe

2380001—Set of 16 5C Draw-in Collets 1/16" to 1" (1.59 mm to 25.40 mm) by 16ths	Wt. 9 lbs (4.1 kg)
2380002—Set of 31 5C Draw-in Collets, 1/16" to 1" (1.59 mm to 25.40 mm) by 32nds	Wt. 18 lbs. (8.2 kg)
2645006—Collet Rack for 12" Lathe	Wt. 7 lbs (3.2 kg)

TOOL POST

6649001—Turret Tool Post for 12" Precision Lathes	Wt. 4 lbs. (1.8 kg)
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CARRIAGE STOPS

2761010—Double Carriage Stop	Wt. 3 lbs (1.4 kg)
2761011—Carriage stop. Used either side of the carriage	Wt. 2 lbs. (.9 kg)
2761012—Micrometer Carriage Stop	Wt. 3 lbs. (1.4 kg)
2761014—Threading Stop	Wt. 3 lbs. (1.4 kg)
2761018—Multiple Carriage Stop	Wt. 5 lbs. (2.3 kg)

MISCELLANEOUS

2040033—Heavy duty boring bar set	Wt. 8 lbs. (3.6 kg)
2240054—Metric transposing gears	Wt. 35 lbs. (15.9 kg)
2250173—Safety chip and splash shield	
2658015—Follower rest	Wt. 6 lbs. (2.7 kg)
2658016—Steady rest	Wt. 6 lbs. (2.7 kg)
2730036—Double tool cross slide	
2799004—Telescopic taper attachment	Wt. 48 lbs. (21.8 kg)
2800013—Lever tailstock	Wt. 45 lbs. (20.4 kg)
6028018—Milling attachment	Wt. 14 lbs. (6.3 kg)
6112008—Anti-friction center for #3 Morse Taper	Wt. 3 lbs. (1.4 kg)
6160005—Heavy duty coolant pump	Wt. 38 lbs. (17.2 kg)
6200003—Inch-Metric dials for cross slide	
6200004—Inch-Metric dials for compound	
6448015—Adjustable machine light with safety heat shield	Wt. 5 lbs. (2.3 kg)

TO CONVERT STANDARD 12" LATHES

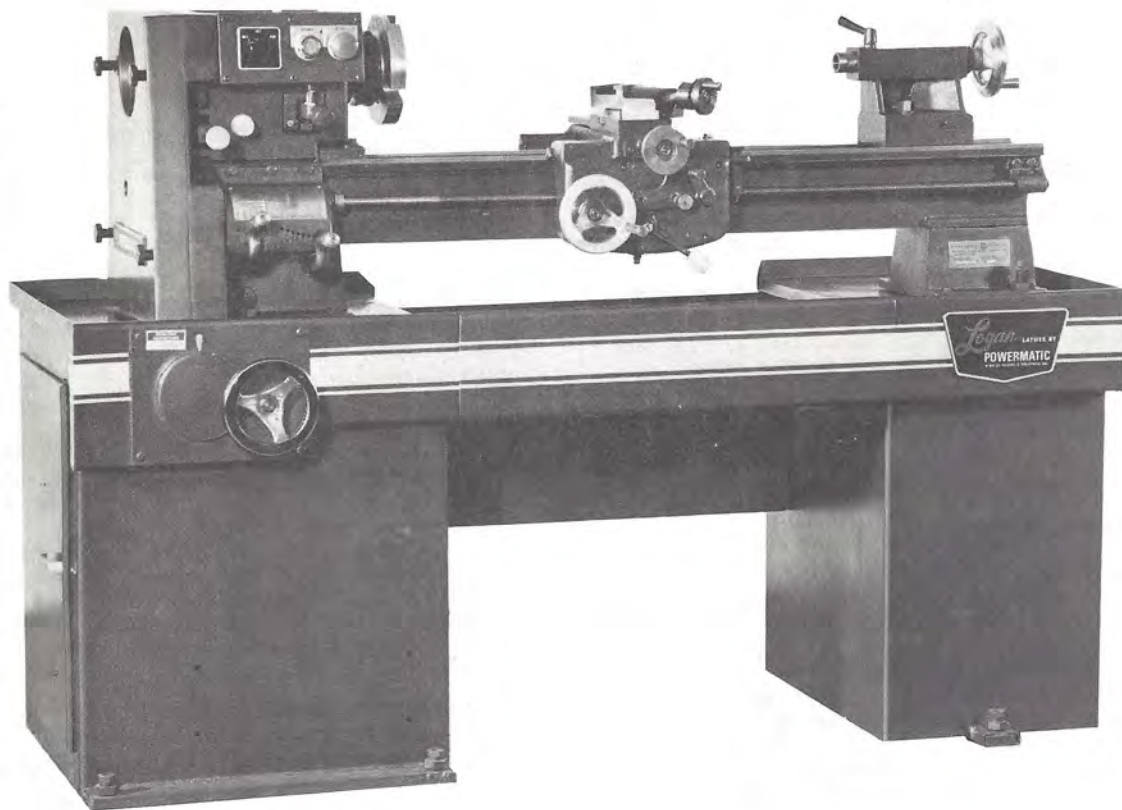
9200003—Tailstock lever (in lieu of standard)	
9200014—Metric transposing gears (in lieu of standard)	

Logan[®] LATHES

by
Powermatic[®]

MODEL
1900

**11" PRECISION
LATHES
1³/₈" SPINDLE HOLE**



STOCK NO. 1110008, shown with optional Electrical Control

IDEALLY SUITED FOR EVERY SHOP

- 1½ HP Motor (1.119 kw)
- L00 or 2¼-8 THD Spindle Nose
- 1³/₈" Hole Through Spindle (34.92 mm)
- Permanently Lubricated, Precision Ball Bearing Spindle
- 35" Centers (889.00 mm)
- Automatic Safety Gear
- Infinitely Variable Speed Drive
- Flame Hardened Bedways
- Magnetic Controls
- Safety Brake
- #3 M. T. Tang Tailstock Quill

OPTIONAL

- Metric Transposing Gears
- Magnetic Low Voltage Controls
- Inch-Metric Compound and Cross Feed Dials
- Safety Chip & Splash Shield
- See pg. 18-25 for additional accessories

The 11" Logan Precision Lathe has the ruggedness and sustained accuracy to fill a definite need in both industrial and school shops. The advanced design features include a precision ball bearing spindle that requires no adjustment for any speed within its wide range. The automatic apron with lever-operated, disc type clutch, moves the carriage over a rugged bed having two V-ways and two flat ways which are precision ground. The 11" Precision Logan Lathe remains accurate after many years of use.

STANDARD EQUIPMENT

Drive plate7" (177.80 mm)	Tailstock wrench
Threading dial	Tool post & wrench
Threading chart	Parts list and instruction manual
(2) 60° centers	Safety brake
Automatic safety gear	Flame hardened bedways
Spindle nose taper adapter #3 M.T.	

BASIC 11" LOGAN PRECISION LATHES

1110008 — 11" Logan Precision Lathe, L00 spindle nose, 1 ³ / ₈ " (34.92 mm) hole through spindle, 35" (889.00 mm) center distance, infinitely variable speed drive, all standard equipment, with safety brake, and flame hardened bedways. Less: Motor and Controls.	1110007—11" Logan Precision Lathe, 2 ¹ / ₄ -8 threaded spindle nose, 1 ³ / ₈ " (34.92 mm) hole through spindle, 35" (889.00 mm) center distance, infinitely variable speed drive, all standard equipment with safety brake and flame hardened ways. Less: Motor and Controls.
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MOTORS FOR SERIES 1900 LATHES

6471306 — TEFC, 56 frame, 1 ¹ / ₂ HP (1.119 kw), 1800 RPM (188.50 rad/s), 1 Ph, 60 Hz, 115/230VWt. 48 lbs. (21.8 kg)	6471324 — TEFC, 56 frame, 1 ¹ / ₂ HP (1.119 kw), 1800 RPM (188.50 rad/s), 3 Ph, 60 Hz, 208/230/460VWt. 38 lbs. (17.2 kg)
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OTHER VOLTAGES AND FREQUENCIES AVAILABLE ON REQUEST.

ELECTRICAL CONTROLS FOR SERIES 1900 LATHES

2398509 — 1 Ph, Drum Switch with Magnetic Starter	2398510 — 3 Ph, Drum Switch with Magnetic Starter
	2398511 — 3 Ph, Reversing Magnetic Starter and 24V Controls.

ALL CONTROLS ARE REVERSING TYPE

SPECIFICATIONS

CAPACITIES

Swing over bed11 ¹ / ₈ " (282.58 mm)
Swing over saddle cross slide6 ¹ / ₈ " (155.58 mm)
Center distance35" (889.00 mm)

THREADS AND FEEDS

Quick change gear box and automatic apron.
Worm drive from lead screws spline for power feeds.
Friction clutch on power feeds.
Longitudinal feed .0018" (.046 mm/rev) to .1000" (2.54 mm/rev) per spindle revolution.
Cross feed 0.25 times longitudinal feed.
Half nut drive from lead screw for thread cutting.
Threads, 48 selections R.H. or L.H. 4 to 224 tpi.
³/₄" (19.05 mm) -8 Acme lead screw.

BED

Width of bed across ways6¹⁵/₁₆" (176.21 mm)
Length55" (1397.00 mm)
Precision ground ways: 2 prismatic V-ways and 2 flat ways **FLAME HARDENED**

HEADSTOCK AND SPINDLE

Spindle bearings: Permanently lubricated, pre-loaded and shielded ball bearings.
Heat treated and ground spindle
Spindle nose type, collet capacity1¹/₂" (38.1 mm)
Hole through spindle1³/₈" (34.92 mm)
Draw-in collet capacity1 1/16" (26.99 mm)
Spindle nose2¹/₄" (21.40 mm) or L00
Collet size5C

SPINDLE SPEEDS

Direct Drive250 to 2000 RPM (26.18 to 209.44 rad/s)
Back gear engaged40 to 300 RPM (4.19 to 31.42 rad/s)

CROSS SLIDE AND COMPOUND

Cross slide travel6¹/₄" (158.75 mm)
Cross slide graduated in thousandths.
Compound slide travel2¹/₄" (57.15 mm)
Compound slide dial graduated 90° in thousandths.
Compound swivel graduated 90° in both directions.
Tool post opening for tool holder shank, ³/₈" (9.52 mm) x ³/₄" (19.05 mm).

TAILSTOCK

Quill travel3¹/₂" (88.90 mm)
Quill graduations, 16ths.
Morse taper #3 tang type.
Tailstock set over for taper turning1¹/₁₆" (17.46 mm)

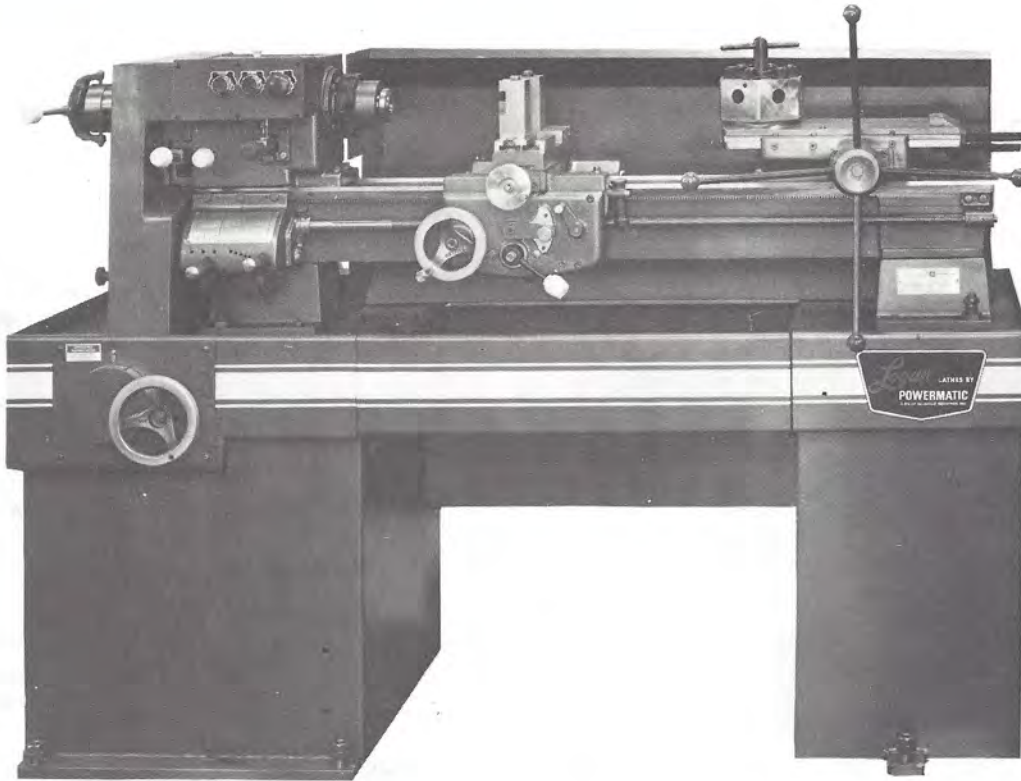
DRIVE

Infinitely variable speed, 40-2000 RPM

DIMENSIONS

Overall length 66³/₄" (1695.45 mm), width 26¹/₄" (666.75 mm), height 46¹/₄" (1174.75 mm).

Approximate shipping weight900 lbs (408.6 kg)



STOCK NO. 1111011, shown with Optional Electrical Control and Chip and Splash Guard

11" PRECISION TURRET LATHE

- 1 $\frac{1}{2}$ HP Motor (1.119 kw)
- L00 Spindle
- 1 $\frac{3}{8}$ " (34.92 mm) Hole Through Spindle
- Permanently Lubricated Precision Ball Bearing Spindle
- 55" Bed (1397.00 mm)
- Pull-out Chip Pan
- Infinitely Variable Speed
- Automatic Safety Gear
- Safety Brake
- Magnetic Controls
- Flame Hardened Bedways

OPTIONAL

- Metric Transposing Gears
- Magnetic Low Voltage Controls
- Inch-Metric Compound & Cross Feed Dials
- Safety Chip & Splash Shield
- See pg. 18-25 for additional accessories

The 11" Logan Precision Turret Lathe simplifies repetitive production cycles required for parts manufacturing. The Logan Turret is furnished with a turret lock to provide increased rigidity for heavy cuts. The hexagon turret, 5 $\frac{5}{8}$ " (142.88 mm) across the flats, has adjustable gibs. The turret is interchangeable with the accessory tailstock, thus making the 11" precision turret lathe a truly versatile machine for industrial or school shops. Extra heavy construction throughout assures maximum smoothness and accuracy.

STANDARD EQUIPMENT

Threading dial
Threading chart
Automatic safety gear
(2) tool posts and wrench
Parts list and instruction manual

Double Tool Cross Slide
Hexagon turret
7" (177.80 mm) drive plate
Safety brake
Flame hardened bedways

BASIC 11" LOGAN PRECISION TURRET LATHES

1111011—11" Logan Precision Turret Lathe, L00 spindle nose, 1 3/8" (34.92 mm) hole through spindle, 55" (1397.00 mm) bed, infinitely variable speed drive, hexagon

turret, safety brake, FLAME HARDENED bedways and all standard equipment. Less: Motor and Controls.

MOTORS FOR SERIES 1900 LATHES

6471306 — TEFC, 56 frame, 1 1/2 HP (1.119 kw), 1800 RPM (188.50 rad/s), 1 Ph, 60 Hz, 115/230vWt. 48 lbs. (21.8 kg)

6471324 — TEFC, 56 frame, 1 1/2 HP (1.119 kw), 1800 RPM (188.50 rad/s), 3 Ph, 60 Hz, 208/230/460v ...Wt. 60 lbs. (21.8 kg)

OTHER VOLTAGES AND FREQUENCIES AVAILABLE ON REQUEST

ELECTRICAL CONTROLS FOR SERIES 1900 LATHES

2398509 — 1 Ph, Drum Switch with Magnetic Starter

2398510 — 3 Ph, Drum Switch with Magnetic Starter

2398511 — 3 Ph, Reversing Magnetic Starter and 24V Controls

ALL CONTROLS ARE REVERSING TYPE

SPECIFICATIONS

CAPACITIES

Swing over bed11 1/8" (285.8 mm)
Swing over saddle cross slide4 1/2" (114.3 mm)

THREADS AND FEEDS

Quick change gear box and automatic apron.
Worm drive from lead screw spline for power feeds.
Friction clutch on power feeds.
Longitudinal feed .0018" (.0457 mm) to .1000" (2.54 mm) per spindle revolution.
Cross feed 0.25 times (x) longitudinal feed.
Half nut drive from lead screw for thread cutting.
Threads, 48 selections R.H. or L.H. 4 to 224 tpi.
3/4" (19.05 mm) -8 Acme lead screw.

BED

Width of bed across ways6-15/16" (176.21 mm)
Length55" (1397.00 mm)
Precision ground ways, 2 prismatic V-ways and 2 flat ways,
FLAME HARDENED.

HEADSTOCK AND SPINDLE

Spindle bearing: Permanently lubricated, shielded and preloaded ball bearings.
Heat treated and ground steel spindle.
Hole through spindle1 3/8" (34.92 mm)
Spindle nose type collet capacity1 1/2" (38.1 mm)
Draw-in collet capacity1-1/16" (26.99 mm)
Spindle noseL00
Collet size5C

SPINDLE SPEEDS

Direct drive250 to 2000 RPM (26.18 rad/s to 209.44 rad/s)
Back gears engaged40 to 300 RPM (4.19 rad/s to 31.42 rad/s)

CROSS SLIDE

Cross slide travel4" (101.60 mm)
Cross slide graduated in thousandths.
Cross feed screw mounted on self-lubricating bronze bearings.
Two adjustable tool posts with adjustable wedges.
Tool post slots7/16" (11.13 mm) x 1-9/16" (39.69 mm)

HEXAGON TURRET

Distance across flats5 5/8" (142.88 mm)
Six position, self indexing with adjustable stops.
Turret bore diameter1" (25.40 mm)
Maximum stroke of turret7 1/2" (190.50 mm)
Slide length16 1/2" (419.10 mm)
Base length11 3/4" (298.45 mm)

DRIVE

Infinitely variable drive.

DIMENSIONS

Overall length 66 3/4" (1695.45 mm), width 27 1/4" (692.15 mm),
height 46 1/4" (1174.75 mm).
Approximate shipping weight960 lbs. (435.84 kg)

OPTIONAL ACCESSORIES FOR ALL 11" LOGAN PRECISION LATHES

3-JAW ADJUST-TRU CHUCKS

2085021—6" (152.4 mm), 2¼-8 THD	Wt. 35 lbs (15.9 kg)
2085022—6" (152.4 mm), L00 spindle	Wt. 35 lbs (15.9 kg)
2085024—7½" (190.5 mm), 2¼-8 THD	Wt. 44 lbs (20.0 kg)
2085025—7½" (190.5 mm), L00 spindle	Wt. 44 lbs (20.0 kg)
2085028—9" (228.6 mm), 2¼-8 THD	Wt. 88 lbs (36.3 kg)
2085029—9" (228.6 mm), L00 spindle	Wt. 88 lbs (36.3 kg)

6-JAW ADJUST-TRU CHUCKS

2085011—6" (152.4 mm), 2¼-8 THD	Wt. 35 lbs (15.9 kg)
2085012—6" (152.4 mm), L00 spindle	Wt. 35 lbs (15.9 kg)
2085013—7½" (190.5 mm), 2¼-8 THD	Wt. 44 lbs (20.0 kg)
2085014—7½" (190.5 mm), L00 spindle	Wt. 44 lbs (20.0 kg)
2085017—9" (228.6 mm), L00 spindle	Wt. 44 lbs (20.0 kg)

4-JAW INDEPENDENT CHUCKS

2085033—6" (152.4 mm), 2¼-8 THD	Wt. 21 lbs (9.5 kg)
2085034—6" (152.4 mm), L00 spindle	Wt. 21 lbs (9.5 kg)
2085036—8" (203.2 mm), 2¼-8 THD	Wt. 27 lbs (12.2 kg)
2085037—8" (203.2 mm), L00 spindle	Wt. 27 lbs (12.2 kg)

JACOBS CHUCKS AND ARBORS

6023004—# 3 M. T. Arbor for 6118026 and 6118051 Jacobs Chuck	Wt. 1 lb. (.45 kg)
6023009—# 3 M. T. Arbor for 6118050 Jacobs Chuck	Wt. 1 lb. (.45 kg)
6118026—3/16" (4.76 mm) to ¾" (19.05 mm) capacity Jacobs Chuck	Wt. 4 lbs. (1.8 kg)
6118050—0" to ½" (12.70 mm) capacity Jacobs Chuck	Wt. 2½ lbs (1.1 kg)
6118051—¼" (6.35 mm) to ¾" (19.05 mm) capacity Jacobs center rest chuck	Wt. 2 lbs. (.9 kg)

PRODUCTION COLLET ATTACHMENTS (USE 5C COLLETS)

2091033—Production collet attachment for 2¼-8 Spindle	Wt. 18 lbs. (8.2 kg)
2091035—Production collet attachment for L00 Spindle	Wt. 18 lbs. (8.2 kg)

DRAW-IN COLLET ATTACHMENTS (USE 5C COLLETS)

2091032—Draw-in collet attachment for 2¼-8 Spindle	Wt. 12 lbs. (5.4 kg)
2091034—Draw-in collet attachment for L00 Spindle	Wt. 12 lbs. (5.4 kg)

COLLETS AND COLLET RACK

(Order by size) for 1900 series Lathes 5c Draw-in collets, sizes 1/16" to 1-1/16" (1.59 mm to 26.99 mm) by 32 nds. (round). Wt. ¾ lb. (.3 kg)

2380001—Set of 16 5c draw-in collets 1/16" to 1" (1.59 mm to 25.4 mm) by 16ths	Wt. 9 lbs (4.1 kg)
2380002—Set of 31 5c draw-in collets 1/16" to 1" by 16ths (1.59 mm to 25.4 mm)	Wt. 18 lbs (8.2 kg)
2645006—Collet rack for 1900 series Lathe	Wt. 7 lbs. (3.2 kg)

TOOL POSTS

6649001—Turret tool posts	Wt. 5 lbs. (2.3 kg)
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CARRIAGE STOPS AND RESTS

2658009—Follower rest	Wt. 5 lbs. (2.3 kg)
2658010—Steady rest	Wt. 10 lbs (4.5 kg)
2761010—Double carriage stop	Wt. 3 lbs (1.4 kg)
2761011—Carriage stop, use either side of the carriage	Wt. 2 lbs. (9 kg)
2761012—Micrometer carriage stop	Wt. 3 lbs. (1.4 kg)
2761013—Threading stop	Wt. 3 lbs. (1.4 kg)
2761019—Multiple carriage stop	Wt. 5 lbs. (2.3 kg)

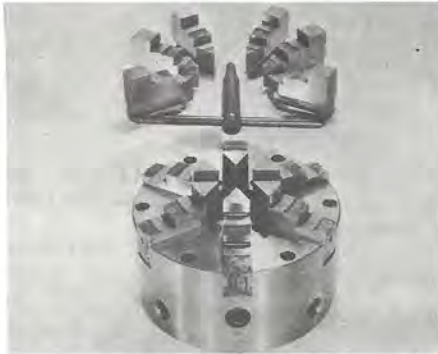
MISCELLANEOUS

2040033—Heavy duty boring bar set	Wt. 8 lbs. (3.6 kg)
2240017—Metric transposing gears	Wt. 35 lbs. (15.9 kg)
2730035—Double tool cross slide	
2799001—Taper attachment	Wt. 20 lbs. (9.1 kg)
2723016—Splash and Chip Shield	
2800006—Lever tailstock	Wt. 34 lbs. (15.4 kg)
6028018—Milling attachment	Wt. 14 lbs. (6.3 kg)
6160005—Heavy duty coolant pump	Wt. 14 lbs. (6.8 kg)
6200001—Inch-Metric dial for cross slide	
6200002—Inch-Metric dial for compound	
6448015—Adjustable machine light with safety heat shield	Wt. 5 lbs. (2.3 kg)

TO CONVERT 11" LATHES

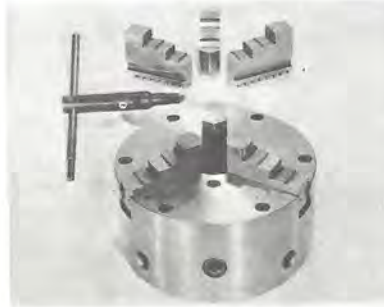
9200002—Tailstock lever (in lieu of standard)
9200012—Metric transposing gears (in lieu of standard)

6-JAW BUCK ADJUST-TRU CHUCKS



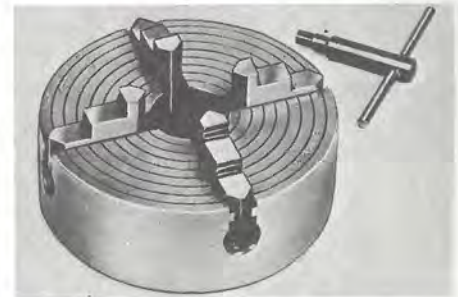
The 6-jaw chuck replaces both collets and step collets. Spindle hole capacity from 1/8" to 1 1/2" and step jaw capacity from 1/8" to 5". All told this single chuck handles the work of 93 collets. Accuracy and speed of operation is the same as for the 3-jaw Adjustru chucks.

3-JAW BUCK ADJUST-TRU CHUCKS



These chucks have the accuracy of 4-jaw chucks plus the speed and versatility of universal chucks. Work can be chucked to .0005" precision in one minute, and duplicate parts can be re-chucked with the same accuracy with no further adjustment. They eliminate most needs for stub arbors, mandrels, and special fixtures.

4-JAW INDEPENDENT CHUCKS



Jaws are independently adjusted and are reversible. The body of No. 6118041 Chuck is threaded. All other independent chucks are furnished with threaded back plates fitted for the lathe spindle.

- 2085011—Chuck, 6", 6 Jaw, Adj Tru, 2 1/4-8
- 2085012—6-jaw adjust-tru chuck, chuck size 6", (152.40 mm) fitted for L00 spindle, for 11" & 12" lathes
.....Wt. 36 lbs. (16.3 kg)
- 2085013—Chuck, 7 1/2", 6 Jaw, Adj Tru, 2 1/4-8
- 2085014—6-jaw adjust-tru chuck, chuck size 7 1/2", (190.50 mm) fitted for L00 spindle, for 11" & 12"
- 2085016—6-jaw adjust-tru chuck, chuck size 7 1/2", (190.50 mm) fitted for D1-4" spindle, for 14" lathe
.....Wt. 44 lbs. (20.0 kg)
- 2085017—6-jaw adjust-tru chuck, chuck size 9", (228.60 mm) fitted for L00 spindle, for 12" lathe
.....Wt. 44 lbs. (20.0 kg)
- 2085019—6-jaw adjust-tru chuck, chuck size 9", (228.60 mm) fitted for D1-4" spindle.Wt. 44 lbs. (20 kg)

- 2085021—Chuck 6", 3 Jaw, Adj Tru, 2 1/4-8
- 2085022—3-jaw adjust-tru chuck, chuck size 6", (152.40 mm) fitted for L00 spindle, for 11" and 12" lathes
.....Wt. 35 lbs. (15.9 kg)
- 2085023—3-jaw adjust-tru chuck, chuck size 6", (152.40 mm) fitted for D1-4" spindle, for 14" lathes
.....Wt. 35 lbs. (15.9 kg)
- 2085024—Chuck 7 1/2", 3 Jaw, Adj Tru, 2 1/4-8
- 2085025—3-jaw adjust-tru chuck, chuck size 7 1/2", (190.50 mm) fitted for L00 spindle, for 11" & 12" lathes
.....Wt. 44 lbs. (20.0 kg)
- 2985027—3-jaw adjust-tru chuck, chuck size 7 1/2", (190.50 mm) fitted for D1-4" spindle, for 14" lathes
.....Wt. 44 lbs. (20.0 kg)
- 2085028—Chuck 9, 3 Jaw, Adj Tru, 2 1/4-8
- 2085029—3-jaw adjust-tru chuck, chuck size 9", (228.60 mm) fitted for L00 spindle, for 12" lathe .Wt. 88 lbs. (40.0 kg)
- 2085031—3-jaw adjust-tru chuck, chuck size 9", (228.60 mm) fitted for D1-4" spindle, for 14" lathe .Wt. 88 lbs. (40.0 kg)

- 2085033—Chuck 6", Independent, 2 1/4-8.
- 2085034—4-jaw independent chuck, chuck size 6", (152.40 mm) fitted for L00 spindle, for 11" & 12" lathes .Wt. 21 lbs. (9.5 kg)
- 2085035—4-jaw independent chuck, chuck size 6", (152.40 mm) fitted for D1-4" spindle, for 14" lathe .Wt. 21 lbs. (9.5 kg)
- 2085036—Chuck 8", independent, 2 1/4-8
- 2085037—4-jaw, independent chuck, chuck size 8", (203.20 mm) fitted for L00 spindle, for 11" and 12" lathes .Wt. 27 lbs. (12.2 kg)
- 2085038—4-jaw independent chuck, chuck size 8", (203.20 mm) fitted for D1-4" spindle, for 14" lathe .Wt. 27 lbs. (12.2 kg)
- 2085040—4-jaw independent chuck size 10", (254 mm) fitted for L00 spindle, for 14" lathe . . .Wt. 70 lbs. (31.7 kg)
- 2085042—Chuck 10", independent, D1-4

CHUCKS, COLLETS, COLLET ATTACHMENTS AND ACCESSORIES



CHUCK ARBORS AND ADAPTER SLEEVES

PRODUCTION COLLET ATTACHMENTS

Hand lever type draw-in collet chuck opens and closes while lathe spindle is in motion. Fast and accurate for production work. Bar stock may be hand fed through lathe spindle. In addition to closing mechanism and hollow draw-bar a spindle nose cap closing sleeve and wrench are furnished.

6023004 — #3 M.T. for No. **6023009** — #3 M.T. for no. 6118026 and 6118051 Jacobs Chuck
 .Wt. 1 lb. (.45 kg)

Catalogue Number	Lathe Series	Serial Number	Spindle Nose	Collet Used	Collet Capacity	Shipping Weight Lbs.
2091006	1800 Series—10"	To S/N 88227	1½"-8	3AT	½"	18
2091031	1800 Series—10"	S/N 88227 & Over	1½"-8	3AT	½"	32
2091044	1800 Series—10"	S/N 88227 & Over	1½"-8	6K	⅝"	32
2091007	1900 Series—11"	S/N 52576 To S/N 88227	2¼"-8	5C	1⅛"	18
2091033	1900 Series—11"	S/N 88227 & Over	2¼"-8	5C	1⅛"	18
2091003	1900 Series—11"	To S/N 88227	L-00	5C	1⅛"	18
2091035	1900 Series—11"	S/N 88227 & Over	L-00	5C	1⅛"	18
2091037	1900 Series—11"	S/N 88227 & Over	D1-4	5C	1⅛"	32
2091010	2500 Series—12"	S/N 68249 To 87546	2¼"-8	5C	1⅛"	22
2091029	2500 Series—12"	S/N 87546 & Over	2¼"-8	5C	1⅛"	22
2091012	2500 Series—12"	To S/N 87546	L-00	5C	1⅛"	23
2091027	2500 Series—12"	S/N 87546 & Over	L-00	5C	1⅛"	23
2091039	2500 Series—12"	S/N 87546 & Over	D1-4	5C	1⅛"	32
2028053	6500 Series—14"	To S/N 81143	2¼"-8	5C	1⅛"	30
2028055	6500 Series—14"	S/N 81143 To S/N 87514	2¼"-8	5C	1⅛"	23
2091024	6500 Series—14"	S/N 87514 & Over	2¼"-8	5C	1⅛"	30
2028051	6500 Series—14"	To S/N 81005	L-00	5C	1⅛"	32
2091015	6500 Series—14"	S/N 81005 To S/N 87514	L-00	5C	1⅛"	32
2091023	6500 Series—14"	S/N 87514 & Over	L-00	5C	1⅛"	32
2091018	6500 Series—14"	To S/N 87514	D1-4	5C	1⅛"	32
2091025	6500 Series—14"	S/N 87514 & Over	D1-4	5C	1⅛"	32
2028050	6565 Series—14"	To S/N 87514	L-0	5C	1⅛"	32
2091022	6565 Series—14"	S/N 87514 & Over	L-0	5C	1⅛"	32
2091018	6565 Series—14"	To S/N 87514	D1-4	5C	1⅛"	32
2091025	6565 Series—14"	S/N 87514 & Over	D1-4	5C	1⅛"	32



2380001 — Set of 16 5C Draw-in Collets, 1/16" to 1" (1.59 mm to 25.40 mm) by 16thsWt. 9 lbs. (4.1 kg)
2380002 — Set of 31 5C Draw-in collets, 1/16" to 1" (1.59 mm to 25.40 mm) by 32ndsWt. 18 lbs. (8.2 kg)
 Order by size, 1/16" to 1" (1.59 mm to 25.40 mm)
 5C Draw-in Collets by 32ndsWt. ¾ lb. ea. (.3 kg)

DRAW-IN COLLET ATTACHMENTS

All attachments consist of hollow draw bar, tapered closing sleeve, spindle nose cap and spindle cap wrench.

Catalogue Number	Lathe Series	Serial Number	Spindle Nose	Collet Used	Collet Capacity	Shipping Weight Lbs.
2091005	1800 Series—10"	To S/N 88227	1½"-8	3AT	½"	5
2091030	1800 Series—11"	S/N 88227 & Over	1½"-8	3AT	½"	5
2091043	1800 Series—11"	S/N 88227 & Over	1½"-8	6K	⅝"	8
2091001	1900 Series—11"	From S/N 52576 To S/N 88227	2¼"-8	5C	1⅛"	8
2091032	1900 Series—11"	S/N 88227 & Over	2¼"-8	5C	1⅛"	8
2091020	1900 Series—11"	To S/N 88227	L-00	5C	1⅛"	12
2091034	1900 Series—11"	S/N 88227 & Over	L-00	5C	1⅛"	12
2091036	1900 Series—11"	All	D1-4	5C	1⅛"	14
2091009	2500 Series—12"	S/N 68249 & Over	2¼"-8	5C	1⅛"	11
2091011	2500 Series—12"	S/N 68249 & Over	L-00	5C	1⅛"	12
2091038	2500 Series—12"	All	D1-4	5C	1⅛"	14
2091019	6500 Series—14"	To S/N 81143	2¼"-8	5C	1⅛"	12
2028058	6500 Series—14"	S/N 81143 & Over	2¼"-8	5C	1⅛"	12
2028059	6500 Series—14"	To S/N 81005	L-00	5C	1⅛"	13
2028057	6500 Series—14"	S/N 81005 & Over	L-00	5C	1⅛"	13
2091017	6500 Series—14"	All	D1-4	5C	1⅛"	14
2091016	6565 Series—14"	All	L-0	5C	1⅛"	15
2091017	6565 Series—14"	All	D1-4	5C	1⅛"	14



No. 6118050 0-½" (12.70 mm) cap. Requires No. 6023009 Arbor. Ship. Wt. 2½ lbs. (63.50 mm)
 No. 6118026 3/16"-3/4" (4.76 mm—19.05 mm) cap. Requires No. 6023004 Arbor. Ship wt. 3½ lbs. (88.90 mm)

¼"-¾" (6.35 mm—19.05 mm) capacity. Requires No. 6023004 Arbor. No. 6118051 Shipping wt. 2 lbs. (.9 kg)



COLLET RACKS

Clamp to rear way of Logan Lathe bed. Provide convenient storage and protection for collets.

2645006 — for 5C Draw-in Collets on 11" and 12" lathesWt. 7 lbs. (3.2 kg)
2645007 — for 5C Draw-in collets on 14" lathesWt. 7 lbs. (3.2 kg)

TURRET TOOL POSTS



Quickly set up on the T-slot of a compound rest. Mount four tools up to $\frac{3}{8}$ ". 12 stations available, with three working positions for each tool. On jobs requiring less than four tools, duplicate tools may be set up for uninterrupted production. Square tool block indexes at 30° intervals, providing a quick set-up for threading.

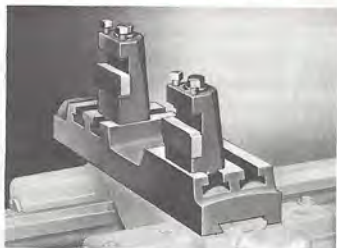
For Precision Lathes

6649001 — For 10" Screw Cutting Lathes, Serial Number 50843 and Over. For all 11" and 12" screw cutting lathes

.....Wt. 4 lbs (1.8 kg)

6649003 — For 14" Screw cutting lathesWt. 17 lbs. (7.7 kg)

DOUBLE TOOL CROSS SLIDE



2730031 — For 14" Model 6500 and 6565 Logan Lathes

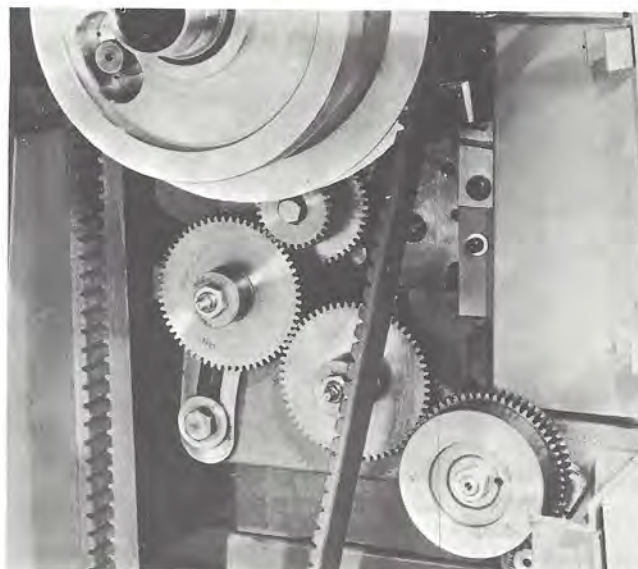
2730035 — For 10" and 11" Model 1800 and 1900 Logan Lathes.

2730036 — For 12" Model 2500 Logan Lathes.

ANTI-FRICTION CENTER

Superior quality. Live center. Grease-sealed precision bearings. Centerpiece angle 60°.

6112008 — #3 Morse taper Shank
.....Wt. 4 lbs (1.8 kg)



AUTOMATIC SAFETY GEAR

- Guards Gear Train Against Overload Shock
- Installed in Your Own Shop in 15 Minutes
- Fits Logan 10", 11", 12" and 14" Quick Change Gear Lathes

In school shops or where operators are inexperienced, here is insurance against heavy repairs. When a sudden overload of the carriage feed using a half nut occurs the Automatic Safety Gear instantly throws out and a clicking noise warns of the overload. On correction of the overload condition, the Safety Gear automatically resumes engaged position. By its automatic throw-out action, the Automatic Safety Gear protects all lathe gears from spindle to gear box in case the carriage or the tool becomes jammed against movement. It also protects the gears within the gear box for all except 52 threads per inch and finer, or corresponding feeds, where there is tremendous torque build-up within the gear box.

No. 2240015 Fits Logan 10" and 11" Quick Change Gear Lathes with Serial Numbers 67839 and over. Shipping weight 7 lbs.

No. 2240053 Fits Logan 10" and 11" Quick Change Gear Lathes from Serial Number 46562 to 67838 and 2900 Series 12" Lathes. Shipping weight 9 lbs.

No. 2240024 Fits Logan 12" 2500 Series Lathes and all 14" Lathes. Shipping weight 7 lbs.

(Standard equipment on all current Logan Lathes).

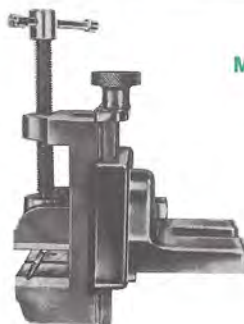
HEAVY DUTY COOLANT PUMP



Light weight, portable. Operates independently of the machine tool. Delivers from a few drops to 90 gallons per hour. 20 lbs. pressure capacity, $\frac{1}{25}$ H.P., 115 V., AC 60 Hz. 1 phase Motor. $7\frac{1}{2}$ gallon container has 5" bowl screen strainer. Includes 4 ft. of $\frac{3}{8}$ " Neoprene hose with flow control pet cock and 12" of flexible feed spout. 5 $\frac{1}{2}$ ft. of rubber-covered electric cord with plug and motor switch.

No. 6160005 Ship. wt. 38 lbs.

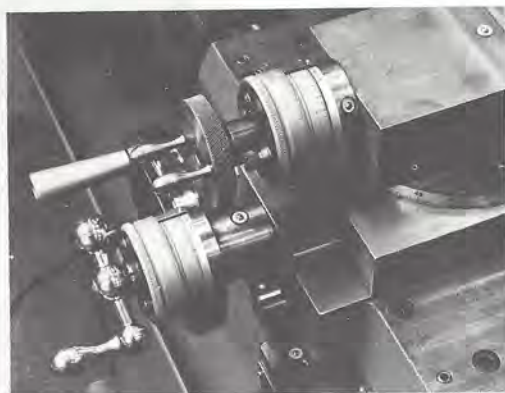
MILLING ATTACHMENT



Mounted in 10 seconds on any tool post up to $\frac{1}{2}$ " diameter. Fits Logan 9", 10", 11" and 12" Lathes. Allows lathe to be used for slotting, milling, sawing, grooving, squaring, recessing, etc. Jaws are 2 $\frac{1}{2}$ " wide, $\frac{1}{16}$ " deep, and open to 2 $\frac{1}{2}$ ".

No. 6028018 Ship. wt. 14 lbs.

INCH-METRIC DIALS



- 6200001 — Inch-Metric Cross Slide Dial for 11" lathes.
- 6200002 — Inch-Metric Compound Dial for 11" lathes.
- 6200003 — Inch-Metric Cross Slide Dial for 12" lathes.
- 6200004 — Inch-Metric Compound Dial for 12" lathes.
- 6200005 — Inch-Metric Cross Slide Dial for 14" lathes.
- 6200006 — Inch-Metric Compound Dial for 14" lathes.



LATHE DOGS

Bent Tail Type with Square Head Set Screw (Standard Lathe Dog) and Hollow Headless Set Screw (Safety Lathe Dog)

Standard No.	Safety No.	Cap.	Ship. Wt.	Safety Dog Wrench No.
6213000	6213008	3/8"	1/4 lb.	6960011
6213001	6213009	1/2"	1/4 lb.	6960011
6213002	6213010	3/4"	1/4 lb.	6960012
6213003	6213011	1"	1/2 lb.	6960013
6213005	6213013	1 1/2"	1/2 lb.	6960014

Clamp Type

No.	Cap.	Ship. wt.
6213006	1 3/4"	1/2 lb.
6213007	2 1/4"	3/4 lb.

SOLID BORING BAR



Used with No. 6829039 Boring Tool Holder. Can be ground for internal thread cutting as well as for boring.

Catalog No.	Size	Ship. Wt.
6178147	1/8 x 4"	1/4 lb.
6178148	3/16 x 4 1/2"	1/4 lb.
6178149	1/4 x 5"	1/4 lb.
6178150	3/8 x 6"	1/4 lb.
6178151	3/8 x 7"	1/2 lb.
6178152	7/16 x 8"	1/2 lb.

HEAVY DUTY BORING TOOL SETS



Mounts on compound and is held in place by regular tool post.

No. 2040033 Heavy Duty Boring Bar Tool Set for Logan 9", 10", 11" and 12" lathes. Includes 3/8", 1/2", 5/8" and 3/4" bars and holder. Each bar holds a tool bit at each end, one mounted at 45°, the other at 90°. Tool bits and wrenches included. Also holds all sizes of above bars. Shipping weight, 8 lbs.

No. 2040034 Heavy Duty Boring Bar Tool Set for Logan 14" lathe. Includes 3/8", 1/2", 5/8", 3/4", 1" and 1 1/4" bars with two bits on each bar. Complete set packed in wood box, 1 holder, 6 boring bars, two bits and wrenches. Shipping weight, 23 lbs.

TOOL HOLDERS

*For 10", 11" and 12" Logan Lathes, 3/8" x 3/4" Shanks
†For 14" Logan Lathes, 1/2" x 1 1/8" Shanks

Drop forged steel heat treated tool holders individually boxed and including wrench and tool bit.

Cat. No.	Description	Cutter Size	Ship. Wt. Lbs.
6829025	L. H. Turning Tool Holder *	1/4" sq.	1
6829026	L. H. Turning Tool Holder †	3/16" sq.	1 1/2
6829027	R. H. Turning Tool Holder *	1/4" sq.	1
6829028	R. H. Turning Tool Holder †	3/16" sq.	1 1/2
6829029	Straight Turning Tool Holder *	1/4" sq.	1
6829030	Straight Turning Tool Holder †	3/16" sq.	1 1/2
6829031	Threading Tool Holder *	60° thread	1
6829032	Threading Tool Holder †	60° thread	1 1/2
6829033	R. H. Cut-off Tool Holder *	3/32 x 5/8"	1
6829034	R. H. Cut-off Tool Holder †	1/8 x 3/4"	1 1/2
6829035	Knurling Tool Holder *	Med. Dia. Knurls	1
6829036	Knurling Tool Holder †	Med. Dia. Knurls	1 1/2
6829037	Straight Cut-off Tool Holder *	3/32 x 5/8"	1
6829038	Straight Cut-off Tool Holder †	1/8 x 3/4"	1 1/2
6829039	Boring Tool Holder*	1/4" bar	1
6178153	Extra Threading Cutter, 60°, for 6829031 Tool Holder		1/2
6080124	Extra Cut-off Blade for 6829037 Tool Holder		1/4
6178154	Extra Threading Cutter, 60°, for 6839032 Tool Holder		1/2
6080125	Extra Cut-off Blade for 6839038 Tool Holder		1/4
6730001	COARSE Diamond Knurls		For No. 6829035
6730002	MED. Diamond Knurls		For No. 6829035
6730003	FINE Diamond Knurls		For No. 6829035
6730004	COARSE Diamond Knurls		For No. 6829036
6730005	MED. Diamond Knurls		For No. 6829036
6829024	Tool Holder Set.* Eight tool holders in a steel box, 1/4" Sq. for 10", 11", & 12" Lathes.		7

Catalog No.	Description	Diam.	Spindle Size	Ship. Wt. Lbs.
3193018*	Drive Plate	6"	1 1/2"-8 thd.	4
3193026*	Face Plate	8"	1 1/2"-8 thd.	6
3193025	Face Plate	8"	2 1/4"-8 thd.	6
3193019	Drive Plate	6"	2 1/4"-8 thd.	4
3193027	Face Plate	10"	2 1/4"-8 thd.	16
3193024	Drive Plate	7"	L-00	10
3193022	Face Plate	10"	L-00	16
2595012	Face Plate	10"	D1-4"	16
2595015	Face Plate	12"	D1-4"	24
3193020	Drive Plate	7 1/2"	2 1/4"-8 thd.	6
3193017	Face Plate	12"	2 1/4"-8 thd.	21
3193028*	Face Plate	12"	L-0	26
3193023*	Drive Plate	7 1/2"	L-0	13
2595011	Drive Plate	7 1/2"	D1-4"	7

DRIVE AND FACE PLATES



*Fits 14" lathes only.
*Fits 10" lathes & 1800 Series only.



ADJUSTABLE MACHINE LIGHT

Boilts directly on machine, or slips into bracket mount. Double arm has three flexible joints. Takes 100-watt, A-21 lamp. Overall length, 37½". 8' heavy duty cord and plug.

No. 6448015 Combination Machine Light with Safety Heat Shield. Shipping wt. 5 lbs.

FOLLOWER RESTS



The follower rest mounted on the lathe carriage and travels with the carriage to support long thin work. Two adjustable machined jaws.

Cat. No.	Capacity	Lathe Size	Ship. Wt.
2658009	3"	10", 11"	5 lbs.
2658015	3"	12"	6 lbs.
2658018	4¼"	14"	9 lbs.

THREADING STOPS



No. 2761013 6" adjustable range. Mounts on rear of saddle on 10" and 11" Logan Lathes. Adjustable screw for positive stop against cross feed nut. Template furnished. Shipping weight, 3 lbs.



No. 2761014 For 12" and 14" Logan Lathes. Mounts on saddle with adjustable screw in compound base. Template furnished. Shipping weight, 3 lbs.

MULTIPLE CARRIAGE STOP

Six positions. Mounts on lathe bed.
No. 2761018 For all 12" Lathes. Ship. wt. 5 lbs.

No. 2761019 For all Quick Change 11" Lathes. Ship. wt. 5 lbs.

No. 2761015 For 14" Lathes. Ship. wt. 12 lbs.



TAPER ATTACHMENTS

Exclusive "Micro-Screw" feature gives quick, positive adjustments of slide bar to desired taper. Easily installed, with taper attachment cross slide becoming a permanent part of the lathe.

Catalogue Number	Lathe Series	Type of Taper Attachment	Serial Number Up to	Maximum Taper Length At One Setting	Per Foot	Angle 0°	Ship Weight Lbs.
2799007	10" Lathe	Micro Screw	S/N 50843	12½"	4"	19°	18
2799002	10" Lathe	Micro Screw	S/N 50844 to S/N 88226	12½"	4"	19°	18
2799001	1800 series-11"	Micro Screw	S/N 88227 and over	12½"	4"	19°	20
2799001	1900 series-11"	Micro Screw	All	12½"	4"	19°	20
2799004	2500 series-12"	Telescopic	All	10"	4½"	20°	48
2799005	6565 series-14"	Telescopic	S/N 78562 and over	10"	4½"	20°	60
2799006	6565 series-14"	Telescopic	Up to S/N 78561	10"	4½"	20°	60

TELESCOPIC TAPER ATTACHMENT

Telescopic cross feed screw eliminates disengaging cross feed screw nut as is necessary with plain Taper Attachments.



CUTTER BITS

No. 6178155 HSS Formed Cutter Bits, size ¼" x ¼" (6.35 mm x 6.35 mm) — packaged set of 6, ship. wt. 1 lb. (.45 kg)

No. 6178156 HSS Blank Cutter Bits, size ⅝" x ⅝" (7.94 mm x 7.94 mm). Packaged set of 6, Ship. wt. 1 lb. (.45 kg)

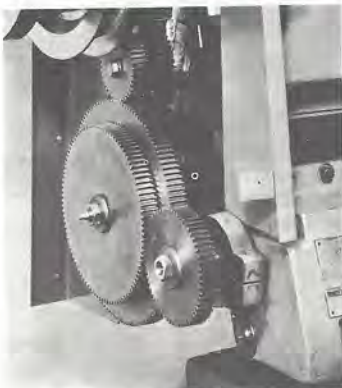
STEADY RESTS



The center rest (or steady rest) mounts on the lathe bed to support long thin work and prevent distortion. Three adjustable machined jaws.

Cat. No.	Capacity	Lathe Size	Ship. Wt.
2658011	3"	10"	10 lbs.
2658010	3"	11"	10 lbs.
2658016	3"	12"	11 lbs.
2658017	4 3/4"	14"	23 lbs.

LOGAN METRIC TRANSPOSING GEARS



Shown Without Gear Guard

Equip Logan lathes to cut metric screw threads

Each of these complete sets includes bracket, gear guards where required and transposing gear chart. Each equips a standard Logan Lathe to cut right hand and left hand metric screw threads ranging from 6 mm. pitch to .020 mm. pitch. All gears semi-steel, 16 pitch, 7/16" wide and carefully machined.

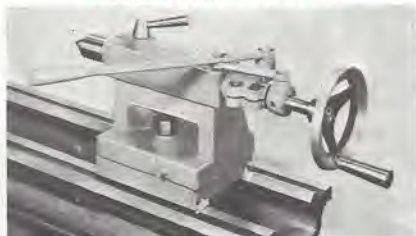
No. 2240052 For 10" Plain Change Gear Lathes. Shipping weight, 29 lbs.

No. 2240017 For 10" & 11" Quick Change Gear Lathes with Serial No. 46561 and up. Shipping weight, 35 lbs.

No. 2240054 Metric Transposing Gears for 12" lathe 35 lbs.
To 2240037 Metric Transposing Gears for 14" lathe 35 lbs.

LATHES FACTORY EQUIPPED WITH TRANSPOSING GEARS . . .
 May be specified by prefixing the letter "M" to the catalog number of the lathe ordered. In addition to metric transposing gears, gear guards, bracket and metric transposing chart, standard gears, gear bracket and chart necessary for cutting English screw threads are also shipped with these "M" lathes.

LEVER TAILSTOCKS



Provides lever operation to the tailstock in addition to the regular handwheel tailstock operation. Particularly valuable for repeat operations in production.

Cat. No.	For Lathe	Lever Stroke	Morse Taper	Ship. Wt.
2800012	10"	2 3/4"	No. 2	49 lbs.
2800006	11"	3 3/4"	No. 3	51 lbs.
2800013	12"	4"	No. 3	60 lbs.
2800015	14"	5 1/2"	No. 3	115 lbs.

STANDARD TAILSTOCKS



Tailstock assemblies if purchased for a turret lathe may be used to replace the turret for regular lathe operations. (Compound rest assemblies shown on the right may be ordered to replace the double tool post cross slide on a turret lathe.)

Cat. No.	For Lathe Size	Ship. Wt.
2800008	10"	39 lbs.
2800005	11"	41 lbs.
2800009	12"	45 lbs.
2800011	14"	90 lbs.

CARRIAGE STOPS



No. 2761012 Micrometer Carriage Stop. Collar graduated in .001". For 10", 11" and 12" Logan Lathes. Ship. wt., 3 lbs.



No. 2761016 Micrometer Carriage Stop. Graduated in .001" with collar lock. For Logan 14" Lathes. Ship. wt., 5 lbs.



No. 2761010 Double Carriage Stop. Adjustable screws set carriage for two desired positions. Used either side of carriage. For 10", 11" and 12" Logan Lathes. Ship. wt., 3 lbs.



No. 2761011 Carriage Stop. Used either side of carriage. Screw with lock-nut gives accurate adjustment. For 10", 11" and 12" Logan Lathes. Ship. wt., 2 lbs.



Converts a Logan plain change gear Lathe for quick change gear operation

QUICK CHANGE GEAR ATTACHMENT

Provides 48 threads and feeds in either direction. Screw threads from 8 to 224 per inch. Two lever adjustment. Changing 36-tooth stud gear for 72-tooth stud gear, provides additional threads of from 4 to 7 per inch. Complete with a replacement lead screw,

parts and installation instructions. Attachments have longitudinal power feed and power cross feed from .0044" to .2500" per spindle revolution.

No. 2241007 — For 10" and 11" Lathes, 24" centers. Ship. wt., 24 lbs.

No. 2241008 — For 10" Lathes, 31" centers. Ship. wt., 24 lbs.

No. 2241009 — For 11" Lathes, 36" centers. Ship. wt., 26 lbs.

COMPOUND SLIDE ASSEMBLIES



Compound slide assemblies may be ordered to replace the double tool post cross slide on turret lathes to convert for regular lathe operation. Also see tailstock assemblies on left. In ordering compound rest assemblies, give serial number of lathe on which it is to be used.

Cat. No.	For Lathe Size	Ship. Wt. Lbs.
2658019	10" Lathes, serial #50843 and over. For all 11" lathes.	13
2658014	12" Lathes, #2500 series.	25
2730027	14" Lathes.	45

DRAW-IN COLLETS

5C COLLETS 1/16" THROUGH 1-1/32" BY 32NDS.

6154030	1/16" Collet	8 oz. Ship. Wt.	6154056	13/32" Collet	8 oz. Ship. Wt.	6154047	3/4" Collet	8 oz. Ship. Wt.
6154050	3/32" Collet	8 oz. Ship. Wt.	6154028	7/16" Collet	8 oz. Ship. Wt.	6154063	25/32" Collet	8 oz. Ship. Wt.
6154036	1/8" Collet	8 oz. Ship. Wt.	6154057	15/32" Collet	8 oz. Ship. Wt.	6154046	13/16" Collet	8 oz. Ship. Wt.
6154051	5/32" Collet	8 oz. Ship. Wt.	6154058	1/2" Collet	8 oz. Ship. Wt.	6154064	27/32" Collet	8 oz. Ship. Wt.
6154052	3/16" Collet	8 oz. Ship. Wt.	6154059	17/32" Collet	8 oz. Ship. Wt.	6154039	7/8" Collet	9 oz. Ship. Wt.
6154053	7/32" Collet	8 oz. Ship. Wt.	6154060	9/16" Collet	8 oz. Ship. Wt.	6154065	29/32" Collet	8 oz. Ship. Wt.
6154037	1/4" Collet	8 oz. Ship. Wt.	6154061	19/32" Collet	8 oz. Ship. Wt.	6154040	15/16" Collet	8 oz. Ship. Wt.
6154054	9/32" Collet	8 oz. Ship. Wt.	6154041	5/8" Collet	8 oz. Ship. Wt.	6154066	31/32" Collet	8 oz. Ship. Wt.
6154038	5/16" Collet	8 oz. Ship. Wt.	6154062	21/32" Collet	8 oz. Ship. Wt.	6154045	1" Collet	8 oz. Ship. Wt.
6145055	11/32" Collet	8 oz. Ship. Wt.	6154042	11/16" Collet	8 oz. Ship. Wt.	6154067	1-1/32" Collet	8 oz. Ship. Wt.
6154027	3/8" Collet	8 oz. Ship. Wt.	6154044	23/32" Collet				

MOTORS FOR USE WITH ALL LOGAN LATHES

CAT. NO.	H.P.	R.P.M.	PHASE	HERTZ	VOLTAGE	BEARINGS	LATHE SIZE	WEIGHT
6471306	1½	1800	1	60	115/230	Ball	11"	48
6471324	1½	1800	3	60	208/230/460	Ball	11"	38
6471622	2	1800	3	60	208/230/460	Ball	12"	41
6471625	2	1800	1	60	115/230	Ball	12"	57
6472205	5	1800	3	60	208/230/460	Ball	14"	78

SWITCHES, STARTERS AND CONTROL SYSTEMS FOR USE WITH LOGAN LATHES

TYPE	FOR 14" LATHES			TYPE	FOR 12" LATHES			TYPE	FOR 11" LATHES		
	PHASE	SPEED	PART NO.		PHASE	SPEED	PART NO.		PHASE	SPEED	PART NO.
Drum Switch with Magnetic Starter	3	1	2398456	Drum Switch with Magnetic Starter	1 3	1 1	2398455 2398456	Drum Switch with Magnetic Starter	1 3	1 1	2398509 2398510
Reversing Magnetic Starter w/24v Controls	3	1	2398458	Reversing Magnetic Starter with 24v Controls	3	1	2398458	Reversing Magnetic Starter w/24v Controls	3	1	2398511



POWERMATIC[®] HOUDAILLE[®]

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**MANUFACTURERS OF QUALITY
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