



NO. 101 STANDARD
complete as shown less motor and wood table top

- Six Speeds
- Hooded V-Belt Drive
- Plain Countershaft
- Loose Change Gears
- Power Cross Feed Apron
- 4 to 600 Threads

A 12" screw cutting lathe of modern design and rugged strength

The Clausing STANDARD back geared screw-cutting lathe is a fine example of modern machine tool engineering. Precision built throughout. It is checked 10 ways for alignment to within .001 of an inch and maintains this precision with substantial headstock mounting, Timken tapered roller bearings with take-up nut, maximum carriage and cross slide areas, and fine workmanship in every detail. The STANDARD is ideally suited for certain types of precision work, especially long production runs using a fixed set-up. Change gearing, when needed for threads or power feeds, is quite simple with the Clausing *four-position gear train* (see pages 4 and 5). Built-in countershaft. Hinged guards offer complete protection plus streamlined appearance. Additional worthwhile features include: rapid-action toggle wrench on tailstock, easy-to-read markings on all micrometer sleeves and scales, thumb wheel and lever back-wheel control, carriage lock, threading dial, and felt wipers.

Catalog Number	Between Centers	Swing Over Bed	Swing Over Carriage	Shipping Weight	Suitable Motor
100	17 in.	12 in.	7 1/2 in.	350 lbs.	1/4 or 1/2 H. P. 1725 r.p.m. capacitor or repulsion-induction.
101	24 in.	12 in.	7 1/2 in.	370 lbs.	
102	36 in.	12 in.	7 1/2 in.	400 lbs.	

The Dual

- Nine Speeds
- Hooded V-Belt Drive
- Clutch Countershaft
- Loose Change Gears
- Power Cross Feed Apron
- 4 to 600 Threads

An all-purpose lathe with nine spindle speeds from 42 to 2400 R.P.M.

A wider spindle speed range and more convenience feature the specifications of the Clausing DUAL. Equally efficient for wood turning and other high speed applications as for metal. Same precision construction as the STANDARD with the addition of Friction Clutch Countershaft plus Three High Speeds. Improved ball bearing clutch countershaft permits instant starts and stops of the headstock spindle without stopping the motor. Eliminates coasting stops, saves time on repetition work at high speeds. Positive drive easily adjusted for light or heavy loads.

Catalog Number	Between Centers	Swing Over Bed	Swing Over Carriage	Shipping Weight	Suitable Motor
103	17 in.	12 in.	7 1/2 in.	360 lbs.	1/2 or 1/2 H.P. 1725 r.p.m. capacitor or repulsion-induction
104	24 in.	12 in.	7 1/2 in.	380 lbs.	
105	36 in.	12 in.	7 1/2 in.	410 lbs.	

Specifications

STANDARD MODEL

BED	7 3/8 in. wide, 9 in. high from bench. Two vee and two flat ways.
SPINDLE	1 1/2 in. dia., 8 threads, 3/4 in. bore with No. 3 Morse taper reduced to No. 2 with sleeve.
SPINDLE BEARINGS	Two, Timken tapered roller with take-up nut for adjustment.
TAILSTOCK	Solid casting with keyed ram hole and cam lock. 1 in. setover.
TAILSTOCK SPINDLE	1-3/16 in. dia., 3 in. travel. Graduated in sixteenths.
SPINDLE TAPER	No. 2 Morse.
TOOLPOST	Opening 3/8x3/4 in.
SPINDLE SPEEDS	42, 73, 120 back gear. 255, 437, 730 direct drive.
COUNTER-SHAFT	Compact, plain type, 3/4 in. dia. Sleeve bearings. Single step pulley to motor.
THREAD RANGE	49 selections, 4 to 600 threads per inch, right or left. Changes made by loose gears.
POWER LONGITUDINAL FEED	Split nut. 3/4 in. Acme 8-thread lead screw. Feeds from .0016 in. per revolution of spindle and up.
POWER CROSS FEED	Bevel gears. Feeds from .0016 in. per revolution of spindle and up. Cross slide travel, 7 1/2 in.
EQUIPMENT	Change gears, headstock belt, 6 in. face-plate, two 60° centers, reducing sleeve, wrenches, motor pulleys (specify bore), and instruction book.

DUAL MODEL

GENERAL CONSTRUCTION	Same as standard except items listed below.
SPINDLE SPEEDS	Nine. Six low speeds of Standard model plus 850, 1422, 2400 high direct drive.
COUNTER-SHAFT	3/4 in. dia., ball bearing. Fitted with friction clutch. Two step pulley to motor.

ITEMS ABOVE BROKEN LINE ARE UNIFORM ON ALL CLAUSING LATHES