



11-inch Underneath Motor Driven Precision Lathe—Series "T" Quick Change Gear and Standard Change Gear Types

The 11-inch Lathe with underneath belt motor drive is popular for both production operations and tool room work. This lathe is made in the Quick Change Gear Type as shown, also in Standard Change Gear Type. See page 36 for specifications of lathe.

The Underneath Motor Drive is entirely self-contained and is fully enclosed. It provides an unusually wide range of spindle speeds.

A precision belt tension adjustment is provided. The belt drive to the spindle is silent in operation and develops a smooth, steady pull entirely free from gear vibration. See page 4 for description of motor drive.

Attachments, Chucks and Tools for this lathe are listed on pages 90 to 111. This complete line of attachments and accessories greatly increases the usefulness of the lathe.

Regular Equipment included in price consists of $\frac{1}{2}$ H.P. instant reversing ball bear-south Bend, Indiana, U.S.A.

ing motor, reversing switch, wiring, V-belt, flat leather belt, large and small face plates, forged steel heat treated tool post, adjustable thread cutting stop, tool steel centers for headstock and tailstock spindles, headstock spindle sleeve, wrenches, quick change gear box or set of independent change gears, installation plan, and book "How to Run a Lathe."

Quick Change Gear 11-inch Underneath Motor Driven Lathes

Bed Length	3½-ft.	4-ft.	5-ft.	5½-ft.
Distance Between Centers. Catalog Number. Shipping Weight of Lathe. Code Word.	111 -Z 935 lbs.	24-in. 111-A 965 lbs. Bimuf	36-in. 111-B 1035 lbs. Bimza	42-in. 111-S 1070 lbs. Binfo

Standard Change Gear 11-inch Underneath Motor Driven Lathes

Bed Length	3½-ft.	4-ft.	5-ft.	5½-ft.	
Distance Between Centers	110-Z	24-in. 110-A 950 lbs. Badti	36-in. 110-B 1020 lbs. Badzo	42-in. 110-S 1055 lbs. Bafka	

The above lathes are also made in bench type. See price list.

Specifications of Series "T" 11-inch Precision Lathes

Applying to all 11-inch Lathes Shown on Pages 37 to 43

All types of 11-inch swing lathes shown in this catalog are identical in workmanship, material and quality, having similar headstock, tailstock, carriage and bed. The only difference between the various models of lathes is in the type of drive and the equipment supplied.

Capacity	of LatheSwing over bed and saddle wings11Swing over saddle with chip guard removed7Swing over saddle with chip guard6	1/8" 73/8" 63/4"
Threads	and Feeds	
	Thread cutting range Quick change gear lathe—48 threads R.H. or L.H	nch nch
	Quick change gear lathe—24 feeds R.H. or L.H	:08″ 56″
	Quick change gear lathe—24 feeds	56"
Headstoc		
ricastoc	Hole through spindle Maximum collet capacity Size of Center, Morse taper Spindle nose diameter and threads per inch 15	o. 2 ≨″-8
	Width of cone pulley step for belt	9″
	R.P.M. of spindle, back gears engaged 40, 69, 1 R.P.M. of spindle, direct belt driven 238, 377, 6 High spindle speeds in addition to standard spindle speeds (Optional at extra cost)	808
	R.P.M. of spindle, back gears engaged	195 163
Compour	nd Rest	
· -	Cross slide will travel	7/8" 3/4"
Tool Post	t Size of opening for tool holder shank. Size of cutter bits tool holder takes. 1/4"	7/8" sq.
Tailstock		
	Size of Morse taper centers	3"
Motor		
	Horsepower of standard motor used on 11-inch motor driven lathes. R.P.M. of standard motor	725
Counters	C. I. DDAG () (300 3⁄16″
Taper At	tachment (telescopic type) Maximum length turned in one setting	½″ 3″
Metric La	athe Specifications	
	Applying only to lathes with metric lead screw and metric graduations. See pages 108 to 110. Quick change gear lathe cuts 46 threads R.H. or L.H. 7.5 mm to 0.2 m. Standard change gear lathe cuts 35 threads R.H. or L.H. 7.0 mm to 0.2 m. Lead screw pitch 3.0 m. Cross feed screw pitch 2.5 m. Compound rest feed screw pitch 2.5 m. Each graduation on cross feed micrometer collar advances tool 0.02 m. Each graduation on compound rest micrometer collar advances tool 0.02 m.	nm nm nm nm nm
	Each graduation on tailstock spindle advances spindle	пm



For description of lathe features see pages 6 to 11