



3000E SERIES

PRECISION HEAVY-DUTY LATHE

Features

- 4.6" spindle bore with D1-11 camlock spindle nose
- Headstock gears are hardened and ground alloy steel for long lasting accuracy
- One-piece solid base for high rigidity and low vibration
- Thermal treated Meehanite casting bed
- Spindle is supported at 3 points with high-precision bearings
- Overload device to ensure safety when operating
- Dual-speed tailstock quill provides faster setups
- Universal gearbox design for both inch and metric threading
- 4-way power rapid traverse
- 15 HP 6 pole motor features more torque at a lower RPM



Lathe shown with an optional 25" chuck cover.

SPECIFICATIONS		3060E	3080E	30100E	30130E	30170E
CAPACITY	Max. swing over bed	30" (760 mm)				
	Max. swing over cross-slide	21-1/4" (540 mm)				
	Max. swing in gap	39" (990 mm)				
	Width of gap	11.89" (302 mm)				
	Width of bed	15-3/4" (400 mm)				
	Max. distance between centers	59" (1,500 mm)	79" (2,000 mm)	98" (2,500 mm)	126" (3,200 mm)	166" (4,200 mm)
HEADSTOCK	Spindle bore diameter	4.6" (117 mm)				
	Spindle bore taper	M.T. No. 7				
	Taper of center in sleeve	M.T. No. 5				
	Spindle nose	D1-11				
	Number of spindle speeds	12 steps				
	Range of spindle speeds	10 ~ 1,000 rpm				
THREADS AND FEEDS	Range of longitudinal feeds	0.0022" ~ 0.03"/rev. (0.056 ~ 0.762 mm/rev.) x 18 kinds				
	Range of cross feeds	0.0013" ~ 0.0175"/rev. (0.033 ~ 0.445 mm/rev.) x 18 kinds				
	Inch threads	2 ~ 56 TPI x 44 kinds				
	Metric threads	0.5 ~ 14 mm x 24 kinds				
	Leadscrew diameter	1-1/2" (38 mm)				
	Leadscrew pitch	4 TPI				
CARRIAGE	Cross slide travel	17-3/4" (450 mm)				
	Compound slide travel	7-7/8" (200 mm)				
TAILSTOCK	Tailstock spindle diameter	3-1/3" (85 mm)				
	Tailstock spindle travel	6-1/2" (165 mm)				
	Tailstock spindle bore taper	M.T. No. 5				
POWER	Main Motor	15 HP (6 pole) 3 PH				
	Coolant Pump	1/8 HP 3 PH				
MACHINE DIMENSIONS	Gross machine weight (approx.)	6,200 lbs (2,810 kg)	7,080 lbs (3,210 kg)	7,630 lbs (3,460 kg)	8,730 lbs (3,960 kg)	11,510 lbs (5,220 kg)
	Packing measurement (approx.)	120"x46"x76"	145"x46"x76"	170"x46"x76"	195"x46"x76"	235"x46"x76"

• Specifications are subject to change without notice for further design improvements.

STANDARD MACHINE ACCESSORIES

1. 4-way power rapid traverse	1 set	8. 4-way tool post	1 pc.
2. Center sleeve	1 pc.	9. Safety pin	1 pc.
3. Auto-feed stopper ring	1 set	10. M.T. No. 5 dead center	2 pcs.
4. Coolant system	1 set	11. Full length splash guard	1 pc.
5. 16" chuck cover with limit switch	1 set	12. Tool box	1 pc.
6. Halogen work light	1 pc.	13. Leveling pads	1 set
7. Thread dial indicator	1 pc.		

OPTIONAL MACHINE ACCESSORIES

1. Digital readout (DRO)	8. Follow rest with rollers
2. Quick change tool post	9. Face plate
3. Taper turning attachment	10. 4-position carriage stop
4. 3-jaw scroll chuck	11. Live center 5MT
5. 4-jaw independent chuck	12. 25" chuck cover with limit switch upgrade
6. Drive plate	13. Change gears for D.P. and module thread
7. Steady rest with rollers	



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