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How To Run A Lathe: For The Beginner: How To Erect, Care For And Operate A Screw Cutting Engine Lathe





Synopsis

This classic work, which contains 62 diagrams and illustrations, is organized as follows:Layout of a Small Machine ShopHorse PowerOrdering Repair PartsNumber and Name of Lathe Parts on DrawingImproved ReverseThe New LatheLocation of LatheSize of LatheSetting the Lathe in PositionLeveling LatheBeltingRules for Calculating the Speed and Size of PulleysSpeed of Lathe CountershaftOil the Lathe Every DayStarting LatheCarriageFace PlateLathe CentersDirection of Feed With a Job on CentersCenteringCountersinking a ShaftDrill and CountersinkImproper CenteringProper CountersinkDrill and Countersink CombinedTurning a Steel ShaftA Shaft in the Center BestForged Steel Lathe ToolsLathe ToolsKnurling in the LathePosition of Cutting Edge of ToolGrinding the ToolFacing End of ShaftStandard Screw ThreadsMeasuring Screw ThreadsThread CuttingChange Gears for Thread CuttingThread CuttingIndex PlateCompound GearingCompound GearingSetting of Thread ToolThe First Chip (Thread Gutting)Grinding Tool After Thread Has Been StartedTurning TaperTaper Attachment for South Bend LathesTruing a ValveGrinding Attachments for LatheSuggestions on Emery WheelTable of Grinding Wheel SpeedsDrilling and Facing on the Engine LatheUsing the Lathe as a Drill PressSouth Bend Milling and Key-Way Cutting Attachment for LathesSquaring a Steel Shaft in the LatheKey Seating Wood-Ruff SystemKeyseating a Steel ShaftStandard Key-Ways for Pulleys and ShaftsBoring in the Lathe16-Inch Lathe Boring a 30-Inch Fly WheelPrincipal Dimensions of South Bend Gap Lathes Raising Blocks How to Temper a Lathe Tool How to Anneal a Piece of Tool Steel Case HardeningUsing a Reamer in the LatheInformation on GearsThe Cutting Speed for Different MetalsRule for Gearing Up Engine Lathes for Screw CuttingGear Guards for South Bend LatheHow to Anneal Brass or CopperHow to BrazeFitting Chucks to the LatheSize of Lathe Chucks for a LatheMetric Threads on an English Lead ScrewMaking a Piston RingNo. 34â "13-Inch Swing South Bend Screw LatheMaking a Ball Race and ConeNo. 37â "15-Inch South Bend LatheNo. 40â "16-Inch South Bend LatheDonâ ™ts for Machinists

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Customer Reviews

This is a reprint of the original 1930's lathe manual, including old-style drawings and plans. The instructions are clear, and common-sense, and tell the new South Bend lathe owner how to set up the lathe, and basic operations. The terminology and vernacular is definitely Old School. I enjoyed reading it, because it took me back to another time. If you need in-depth instruction on lathe operation, or complicated projects, then this won't do. It's a basic lathe manual, but no shop is complete without it.

This book has been around a few days, but it still contains a ton of valid info for the newcomer and old timer alike. Definitely worth the price and the shipping was free with Prime. Wheelchair Bob

I purchased this to replace the copy I purchased from Lindsay Books many years ago (loaned it out). This is a much earlier reprint than the version sold by Lindsay. In contains much of the same information; however, I prefer the editions from the 30's - 50's, while this one is from 1919?. Even this edition is better then most other similar books; however, the later/better editions are also still available from other sellers.

This is a reprint of a very old manual for South Bend Lathes. As a new comer to lathe work, I wanted to start with the basics so I bought this book based on reviews here. I also bought other books. This book has layouts on how to use things other than electrical motors directly connected to the lathe to turn it (think large belt and pulley system used around the turn of the 20th century and

on). It even describes how to use a gasoline enging to turn the belt system. Those things aren't really usefull in this day and age, but were informative. I suggest a new comer who just wants to know how to use a modern lathe, skip this book and start with: How to Run a Lathe: The Care and Operation of a Screw Cutting Lathe Paperback â "September 11, 2013 by John Joseph O'Brien (Author), Miles William O'Brien (Author), South Bend Lathe Works

(Author)http://www..com/gp/product/1614274746/ref=oh_aui_detailpage_o08_s02?ie=UTF8&psc=1I ts an older and basic text that pays homage to the old ways, but is more pertinent to today's home garage lathe worker.

Very average. From the description I expected no assumptions, only to find large gaps and assumptions. I had intended to recommend it as a resource for students but it is not suitable. It would not provide adequate knowlege to the self learner IMO, but couls provide limited support to someone who is attending a class and has a resource person to fill in the gaps.

I bought this at the recommendation of David Gingery of the "Build Your Metal Working Shop From Scrap" series. Like Dave said in the book. Don't operate a home lathe without one.

Contained everything I was looking for. Lots of detail and great pictures. I would recommend it to anyone wanting to know how to operate a lathe.

This book is good for the beginner. it give you simple things to build and old school ways of doing machining.

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