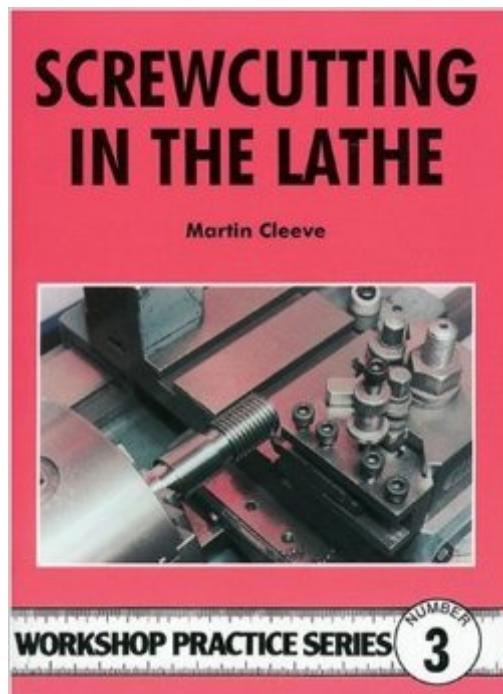


The book was found

Screwcutting In The Lathe (Workshop Practice Series)



Synopsis

One of the most useful functions of a modern lathe is its ability to cut any form of external or internal thread of any thread form, pitch or diameter within the overall capacity of the machine. Detailed information of a practical nature is, however, not easy to find - a situation that this book does much to rectify. The author was a very experienced engineer with the capability of converting factual analyses into easily understood forms. His own expertise and the standards to which he worked are evident in his writing, and in addition he is also quite at home with both imperial and metric measures having considerable experience in the conversions required when working in partially metricated areas. This book is not only an invaluable treatise on lathe screwcutting but is also a useful demonstration of working in both imperial and metric standards.

Book Information

Paperback: 176 pages

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Product Dimensions: 5.8 x 0.4 x 8.3 inches

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Average Customer Review: 4.1 out of 5 starsÂ See all reviewsÂ (16 customer reviews)

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Customer Reviews

This book is the difference between being able to cut a 60 degree single-start V-thread of a pitch your lathe was designed for, and being able to do all the rest of the screws you might need now and again. From "Yes, I got an 'A' in my high school machine shop course" to 'journeyman machinist' in one paperback. All common (and some other) thread forms are discussed. Issues with cutting metric screws on imperial (inch) lathes (and the reverse) are covered as well as multi-start threads. Just how DO you cut multi-start threads? (Think 'barber pole' for the picture.) You probably can't just use the threading dial. Several methods are presented, though I'll brag and say I know one the author doesn't mention. Okay, you know how to find a web calculator for the change gears to approximate a weird thread: Could you do it with NO web? Just a pencil and paper? That's here too. Some parts of

the book are math-heavy but most is just arithmetic with some trigonometry thrown in. Skip the details while reading -- you just need to know the info is there. A bigger issue is the writing style. It is (a) UK, (b) wordy, and (c) archaic."In this respect it so happens that some of the minimum error approximations are particularly suitable: notably Nos. 2, 3, and 7 (Table T5)wherein the average error is about 7/8 in. a mile or 14 millionths of an inch per inch."Mileage will vary but I believe the wise machinist takes his experts where he finds them.Writer Cleeve used a much-adapted Myford. (Pause while we all bow in the direction of Beeston, Nottinghamshire.) His methods and more than a few of his lathe mods are equally adaptable to a 7x10 Central Machinery lathe.

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