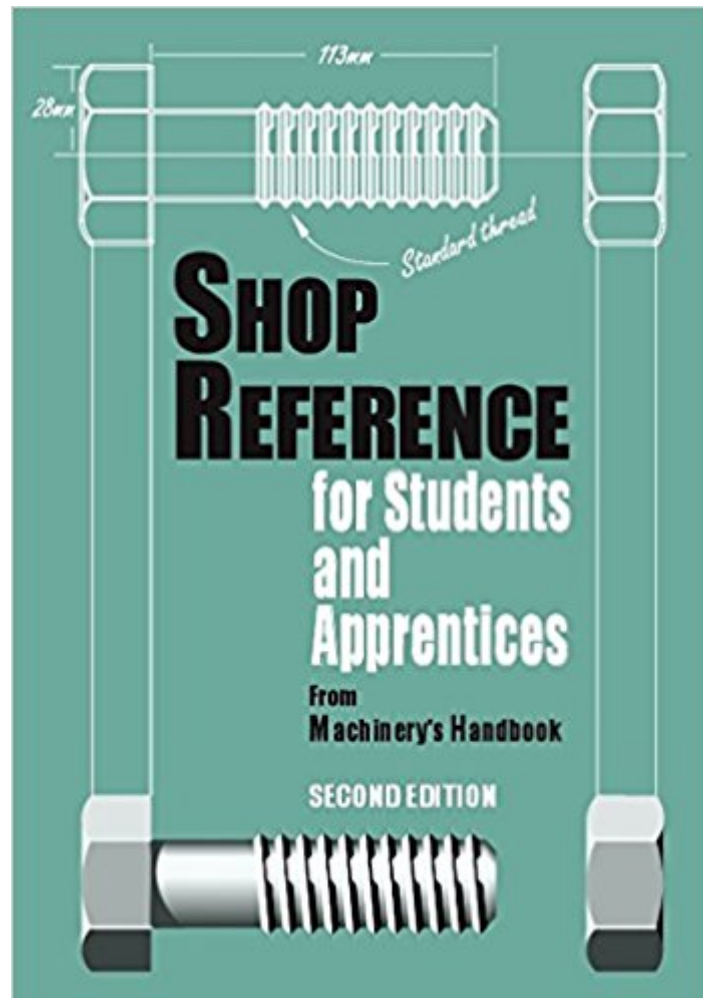




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Shop Reference For Students & Apprentices



Synopsis

From the ability to understand and use shop mathematics to the reading and interpreting of shop drawings, the editor's intent is to provide the information and know-how that students will need as they prepare themselves for jobs in metalworking industries. It includes material taken from Machinery's Handbook and other authoritative sources and is presented in as clear, accurate, and easy-to-follow form as possible. The reader will find a wide range of useful formulas and data together with extensive text. As a proven and affordable handbook covering those critical areas of interest commonly encountered by machinists, toolmakers, diemakers, drafters, and other shop and manufacturing personnel, it is an essential reference for students in vocational schools, technical institutes, and apprenticeship courses. Discusses those aspects of applied mathematics needed on the job and covers the proper use of measuring instruments and methods. Outlines the standard methods of presentation and the conventions used in preparing engineering drawings. Offers detailed information on inch and metric standard tolerances, allowances, limits and fits, preferred numbers and sizes, as well as in-depth descriptions of the sizes, forms, dimensions of standard machine elements commonly encountered in and around the shop. Provides machining methods and materials selection, recommended speeds and feeds for various kinds of machining operations on different materials, and the types and compositions of metals commonly used in machine construction. Includes an extensive index that will enable the user to quickly and conveniently find the information and data that he or she requires.

Book Information

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Customer Reviews

This is the standard machine shop reference book for machinist or anyone machining. It is widely used in machine shops and Universities and is a condensed version of The Machinists Handbook. Pros: Reliable reference for machining. Easy to understand. Compact. Good for most machining applications in hobby machining. Cons : Hard to navigate. Too much information for most students. Suggested Improvements : Add some type of tab system to easily find sections or have a dedicated section for frequently used information. Overall : Good for most applications. This is really the standard reference for most Universities so you may be stuck there. For professional machining you'll probably need to have the full Machinists Handbook.

Very poorly edited. There are two sections that specifically try to explain tapping speeds but they repeat the exact same information. Also, one of the sections is pulled straight from the machinery's handbook and references tables that do not appear in this book. When you look up this topic in the index it points you to the section that refers to the missing tables and makes no mention of the other section. Again, very poorly edited. I do not recommend it.

Even though its titled for the beginner, you will use this through your career as a journeyman.

This is a very handy Shop Reference book for a student or a journeyman machinist. A shorter version of the Machinery Handbook with many references of threads, cutting speeds and feeds depending on cutting tool and material used, and a lot lighter in weight than the Machinery Handbook in a book bag. I lost my other one on a camping trip this past May 2012, and had to get it replaced. A friend suggested as a place to reclaim another copy of this book. It was quite easy to find and locate at and I recieved my replacement book on the second day after ordering. I find that the replacement cost to be cheaper than I originally paid through a College Book Store of Barnes and Nobles to begin with. If your into saving money as I am, I'd recommend checking with and their prices before buying books through a College book store first! Saves gas as well, for there delivered to your front door! Thank you .

Perhaps I didn't do my research well enough. The material in this book comes straight out of the Machinerys Handbook. If you have that, you don't need this. I like that the content has been pared down to cover 99% of what most machinists need, but was hoping that the book would have the essentials only, in larger print.

Why does this need to be so small? The type is so tiny that I can barely read it!

The Reference is comprehensive but has the drawback of very fine print. Unless a student has exceptional eyesight, this could be a problem. Also, due to the size of the book, roughly 5"w x 7"h, some of the reference charts are on two different pages. That being said, the price is far below many of the other references available.

I was a little bit disappointed in this as it really is only a reference guide as it says it is. Nothing in there on how to machine, or tips on machining, only references on machining tables, materials, some good info on drills and taps, but the majority of it I don't have any use for as a hobby machinist. I'll keep it for reference though.

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