



Machinerys reference series Volume 31-40

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 140 pages. Dimensions: 9.7in. x 7.4in. x 0.3in. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1909 edition. Excerpt: . . . friction between the tool and the work due to the rapid cutting. An ordinary carbon steel containing, say, 1. 20 per cent carbon when heated slightly above the critical point and rapidly cooled by quenching in water becomes intensely hard. Such a steel gradually loses this intense hardness as the temperature of friction reaches, say, 500 degrees F. The lower the temperature is maintained the longer will be the life of the tool, so that the cutting speed is very limited. With rapid cutting steels the temperature of friction may be greatly extended, even up to 1, 100 degrees F. or 1, 200 degrees F. , and it has been proved by experience that the higher the temperature for hardening is raised above the critical point and then rapidly cooled, the higher will be the temperature of friction that the tool can withstand before...

[DOWNLOAD](#)



[READ ONLINE](#)

[5.77 MB]

Reviews

This ebook is wonderful. I could comprehended every thing out of this created e ebook. I am just effortlessly can get a satisfaction of reading a created pdf.

-- **Federico Nolan**

This ebook could be worthy of a read through, and far better than other. I am quite late in start reading this one, but better then never. I realized this publication from my dad and i advised this publication to learn.

-- **Stefan Von**