



The Elements of Machine Design Volume 2; Chiefly on Engine Details

By William Cawthorne Unwin

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1907 Excerpt: .142, and the unit for the other proportional numbers is S. The value of m is about 3-12. 146. Marine engine connecting-rod end.--Fig. 117 shows another form of connecting-rod end. This is of simple and massive form, and is often used in marine engines. The brasses are lined with white metal or Babbitt's metal cast shallow recesses. If l_x is the diameter of the bolt at the bottom of the screw thread and σ the working stress, $\sigma \cdot l_x^2 = m \cdot p$. 4 The diameter l at top of threads will be nearly enough for the present purpose $r_{12} \text{ tiv}$ Hence Putting $\sigma = 5,000$ for wrought iron and 6,600 for steel = 0.2000 to 0.0218 V_p for wrought iron = 0.0174 to 0.0100 n/p for steel. It is a good thing to turn part of the shank of the bolt to a diameter equal to that of the...



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