



Machine Design Volume 1 (Paperback)

By Forrest Robert Jones

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1897 edition. Excerpt: .the teeth have different profiles. When the same describing circle is used for all teeth, those at the part of the pitch line having the greatest curvature are weaker than the others. This may be objectionable when the ellipse has considerable eccentricity. It can be overcome by using different rolling circles on different parts of the pitch line. There is no objection to doing this, since the teeth do not have the same form under any condition. The smallest rolling circle should be used at the part of most rapid curvature. Involute teeth can be generated by using a base cylinder (not circular).after the method for circular gears. The teeth generally have a better form when the base cylinder approaches more closely to the pitch line at the parts of rapid curvature than at the less curved ones. Such a cylinder is obtained by...



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