DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : PGD 33 (26084) **Date : 04 July 2024**

TECHNICAL COMMITTEE : Transmission Devices, PGD 33

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Transmission Devices Sectional Committee, PGD 33. Please click here to view the document.

Document Number : PGD 33 (26084) WC
Title of the document : Calculation of Load Capacity of Spur and Helical Gears Part 3: Calculation of Tooth Bending Strength
Document Type : New Indian Standard

This document has following salient features which may require specific attention for your valuable comments:

1) This document specifies the fundamental formulae for use in tooth bending stress calculations for involute external or internal spur and helical gears with a rim thickness sR > 0,5 ht for external gears and sR > 1,75 mn for internal gears. In service, internal gears can experience failure modes other than tooth bending fatigue that is, fractures starting at the root diameter and progressing radially outward. This document does not provide adequate safety against failure modes other than tooth bending fatigue. All load influences on the tooth root stress are included in so far as they are the result of loads transmitted by the gears and in so far as they can be evaluated quantitatively.

Please examine the document and share your comments regarding further improvement in the document.

Last date for sharing the comments is : 02 September 2024

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at pgd@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

Yours faithfully,
(RAJEEV RANJAN SINGH)
Head (Production and General Engineering Department)
Email: pgd@bis.gov.in

व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : PGD 33 (26084) दिनांक : 04-07-2024

तकनीकी समिति : Transmission Devices Sectional Committee, PGD 33

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : PGD 33 (26084) WC
शीर्षक :

कृपया इस/इन मानक(को)/संसोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

सम्मत्तियाँ भेजने की अंतिम तिथि : 02 September 2024

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट www.bis.gov.in पर भी उपलब्ध है/हैं।

धन्यवाद।

भवदीय/भवदिया,

विभाग प्रमुख का नाम : RAJEEV RANJAN SINGH
(Production and General Engineering Department)
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