INTERNATIONAL STANDARD ISO 6336-3:2006
TECHNICAL CORRIGENDUM 1

Published 2008-06-01

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Calculation of load capacity of spur and helical gears —

Part 3:
Calculation of tooth bending strength

TECHNICAL CORRIGENDUM 1

Calcul de la capacité de charge des engrenages cylindriques à dentures droite et hélicoïdale —

Partie 3: Calcul de la résistance à la flexion en pied de dent

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 6336-3:2006 was prepared by Technical Committee ISO/TC 60, *Gears*, Subcommittee SC 2, *Gear capacity calculation*.

Page 3, 5.2.2

Replace Equation (4) with the following:

$$\sigma_{F0} = \frac{F_t}{b m_n} Y_F Y_S Y_\beta Y_B Y_{DT}$$

Page 23, Table 2

Add an additional footnote (“b”) to the table, referenced to the third column headed “ρ'”:

[b] For the same category of material the given values of ρ' can be interpolated for other values of σ_B, σ_S or $\sigma_{S0,2}$.

ICS 21.200 **Ref. No. ISO 6336-3:2006/Cor.1:2008(E)**

Published in Switzerland

Page 23, 13.3.2.1.1

Change the number of the subclause from 13.3.2.1.1 to 13.3.2.2.

Insert the following new list item “e)”, including a new Equation (54).

e) For GTS with stress up to crack initiation:

$$Y_{\delta\,\mathrm{rel\,T}} = 0{,}075\,Y_{\mathrm{S}} + 0{,}85 \tag{54}$$

Change that which was previously “e)” to “f)”, and renumber all successive equations accordingly — the former Equation (54) becomes Equation (55), and so on.

Page 25, Figure 11

Replace the graph with the following, thereby rectifying the indication of GGG.