INTERNATIONAL STANDARD ISO 6336-2:2006
TECHNICAL CORRIGENDUM 1

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

Calculation of load capacity of spur and helical gears —

Part 2:
Calculation of surface durability (pitting)

TECHNICAL CORRIGENDUM 1

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

Partie 2: Calcul de la résistance à la pression de contact (piqûre)

RECTIFICATIF TECHNIQUE 1

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

Page 3, 5.1 d)

Replace "Helical gears with $\varepsilon_\alpha \leqslant 1$ and with $\varepsilon_\gamma > 1$" with

Helical gears with $\varepsilon_\alpha < 1$ and with $\varepsilon_\gamma > 1$

Page 8, 5.4.3.2

Replace Equation (15) with the following:

$$\exp = 0{,}768\ 6 \log \frac{\sigma_{\text{HP stat}}}{\sigma_{\text{HP ref}}}$$

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Page 10, 6.2

Replace Equation (17) with the following:

$$M_1 = \sqrt{\frac{\rho_{C1}\,\rho_{C2}}{\rho_{B1}\,\rho_{B2}}} = \frac{\tan\alpha_{wt}}{\sqrt{\left(\sqrt{\frac{d_{a1}^2}{d_{b1}^2}-1}-\frac{2\pi}{z_1}\right)\left(\sqrt{\frac{d_{a2}^2}{d_{b2}^2}-1}-(\varepsilon_\alpha-1)\frac{2\pi}{z_2}\right)}}$$

Page 11, 6.2

Replace Equation (18) with the following:

$$M_2 = \sqrt{\frac{\rho_{C1}\,\rho_{C2}}{\rho_{D1}\,\rho_{D2}}} = \frac{\tan\alpha_{wt}}{\sqrt{\left(\sqrt{\frac{d_{a2}^2}{d_{b2}^2}-1}-\frac{2\pi}{z_2}\right)\left(\sqrt{\frac{d_{a1}^2}{d_{b1}^2}-1}-(\varepsilon_\alpha-1)\frac{2\pi}{z_1}\right)}}$$

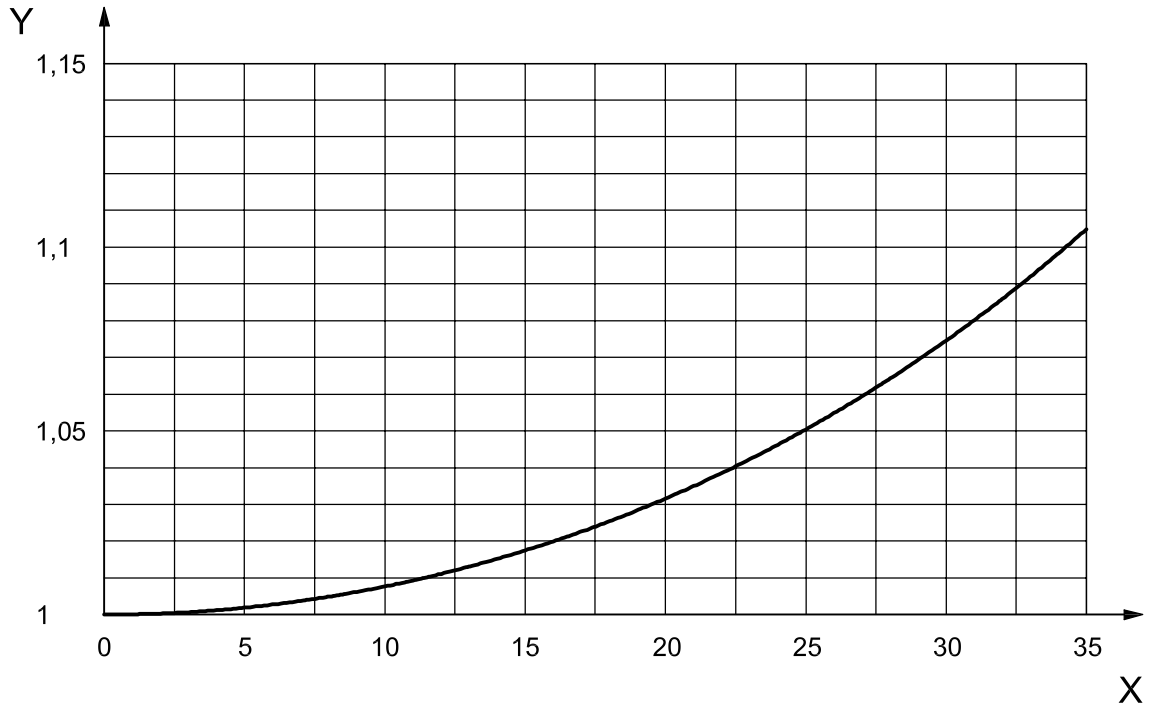
Page 15, Clause 9

Replace Equation (36) with the following:

$$Z_\beta = \frac{1}{\sqrt{\cos\beta}}$$

Page 15, Figure 5

Replace the graph with the following.



Page 25, 13.2.1

In the definition of ρ_{red}, replace “see Equation (43)” with “see Equation (46)”.