



Rolling bearings — Methods for calculating the modified reference rating life for universally loaded bearings

TECHNICAL CORRIGENDUM 1

Roulements — Méthodes de calcul de la durée nominale de référence corrigée pour les roulements chargés universellement

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/TS 16281:2008 was prepared by Technical Committee ISO/TC 4, *Rolling bearings*, Subcommittee SC 8, *Load ratings and life*.

Page 7, 4.3.1.2

On the right-hand side of Equations (19) and (20), replace “ $(\cos \alpha)_i^{0,7}$ ” in the denominator with “ $(\cos \alpha)_i^{0,7}$ ”, in order for the equations to read as follows:

$$Q_{ci} = \frac{C_r}{0,407 Z (\cos \alpha)_i^{0,7}} \left(1 + \left\{ 1,044 \left(\frac{1-\gamma}{1+\gamma} \right)^{1,72} \left[\frac{r_i}{r_e} \left(\frac{2r_e - D_w}{2r_i - D_w} \right) \right]^{0,41} \right\}^{10/3} \right)^{3/10} \quad (19)$$

$$Q_{ce} = \frac{C_r}{0,389 Z (\cos \alpha)_i^{0,7}} \left(1 + \left\{ 1,044 \left(\frac{1-\gamma}{1+\gamma} \right)^{1,72} \left[\frac{r_i}{r_e} \left(\frac{2r_e - D_w}{2r_i - D_w} \right) \right]^{0,41} \right\}^{-10/3} \right)^{3/10} \quad (20)$$