

ICS 21.200
CCS J 17



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 10062.3-2003

Replacing GB/T 10062-1988

**Calculation of load capacity of bevel gear -- Part 3: Calculation
of tooth root strength
(English Translation)**

Issued on: November 25, 2003

Implemented on: June 1, 2004

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People Republic of China**

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What this standard covers

This standard applies to: calculate the minimum flange thickness $\geq 3.5m$ (mn) spur and helical bevel gear, bevel gear and zero spiral bevel gear tooth root bending stress. Put all the load on the tooth root stress believed to be the gear transmission loads generated stress, and make quantitative evaluation (eg, gear rim interference fit causes stress and load cause teeth tooth root stress superimposed get stress, should be considered in the calculation of the tooth root stress σ_F may use the tooth root stress σ_{FP}). GB/T 10062 This standard a formula applied to equivalent cylindrical gear face contact ratio σ_{va}

Document data

International classification (ICS): 21.200.

Chinese classification (CCS): J17.

Estimated length of the Chinese original: 34,390 words.

Adopted international standard: ISO 10300-3-2001; IDT.

Supersedes the earlier edition GB/T 10062-1988.