ISO 17485:2006-06 (E)

Bevel gears - ISO system of accuracy

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 2

3 Terms, definitions and symbols 2
3.1 Terms and definitions 2
3.2 Fundamental terms and symbols 6

4 Application of classification system 7
4.1 General 7
4.2 Accuracy grade classification 7
4.3 Tolerance direction 8
4.4 Additional characteristics 8

5 Tolerances 8
5.1 Tolerance values 8
5.2 Step factor 8
5.3 Rounding rules 9
5.4 Tolerance equations 9

6 Application of measuring methods 11
6.1 Methods of measurement 11
6.2 Recommended measurement control methods 12
6.3 Measurement data filtering 12
6.4 Tooth contact pattern inspections 12

Annex A (informative) Example tolerance tables 14

Annex B (informative) Single-flank composite measuring method 16

Annex C (informative) Accuracy of small module bevel gears 21

Annex D (informative) Interpretation of composite data 24

Bibliography 32