ISO/TR 23509-2:2026-08 (E)

Bevel and hypoid gear geometry - Part 2: Sample calculations

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols and abbreviated terms 1

5 Application 5

Annex A (informative) **Sample 1: Calculation of geometry for a spiral bevel gear pair without hypoid offset according to ISO 23509-1:2025 , Method 0** 8

Annex B (informative) **Sample 2: Rating of a hypoid gear set according to ISO 23509-1:2025, Method 1** 23

Annex C (informative) **Sample 3: Rating of a hypoid gear set according to ISO 23509-1:2025, Method 2** 43

Annex D (informative) **Sample 4: Rating of a hypoid gear set according to ISO 23509-1:2025 , Method 3** 65

Annex E (informative) **Sample 5: Rating of a hypoid gear set with angle modification and 60° shaft angle according to ISO 23509-1:2025, Method 3** 84

Annex F (informative) **Sample 6: Calculation of geometry for a straight bevel gear pair without hypoid offset according to ISO 23509-1:2025, Method 0** 103

Bibliography 117