

Gear project checklist



Enter the application parameters you know here and receive your free consultation.

Customer data

Name: _____ E-mail: _____
Company: _____ Phone: _____
Project name: _____
Order quantity: _____

1. Gear type

☐ Spur gear ☐ Bevel gear ☐ Plane bevel gear ☐ Inner ring ☐ Worm wheel

Module: _____ Number of teeth: _____ Tooth width: _____

Toothing: ☐ Spur toothing ☐ Helical toothing ☐ Spiral toothing

Helix angle: _____

☐ Left-hand thread ☐ Right-hand thread

2. Counter partners

☐ Gear ☐ Gear rack

Number of teeth: _____ Tooth width: _____ Material: _____

Other mating partner: _____

3. Shaft-hub combination

☐ Cylindrical press fit ☐ Feather key connection ☐ Square
☐ D-Cut ☐ Spline shaft ☐ Polygon ☐ _____

4. Application

☐ New application ☐ Existing application in use since: _____

Material: _____

Description of application: _____

Movement type: ☐ Rotatory ☐ Linear ☐ Pivoting Operating factor Kb: _____

Kb = 1 - 2.25 (ISO 6336, DIN 3990, DIN 3991)

Load: ☐ I - Static ☐ II - Swelling ☐ III - Alternating

Max. drive torque: _____ [Nm] Speed: _____ [rpm]

Operating time: _____

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5. Requirements

Lifetime: _____

Min. application temperature: _____ [°C] Max. long-term application temperature: _____ [°C]

Max. short-term application temperature: _____ [°C]

Lubrication: ☐ Dry running ☐ Initial lubrication/lubrication during installation ☐ Continuous lubrication

Lubricant: _____

Chemical resistance against: _____

☐ UV resistance ☐ Use in vacuum ☐ Electrical conductivity ☐ Fire safety

☐ Contact with food ☐ Use indoors ☐ _____

6. Further customer requirements

☐ Specifications ☐ SC (relevant for function) ☐ CC (relevant for safety, legal requirements)

☐ Drawing ☐ Quality assurance agreement ☐ _____

7. Material selection

Material: _____ ☐ I need advice for selecting the material

8. Quality

Tooth quality: _____

Special QA inspection: _____

9. Further requirements

☐ Dry running ☐ Media resistance ☐ Service life

☐ Noise reduction ☐ Weight ☐ _____

10. Miscellaneous/Remarks
