



WELTER zahnrad GmbH

- Precision gear technology for defense applications
- Components for military vehicles and naval systems
- Engineering & reverse engineering expertise
- Manufacturing based on drawings or sample parts
- High quality standards and full traceability
- Reliable partner for mission-critical drivetrain systems
- Quality made in Germany
- More than 60 years of experience in the manufacturing of bevel gear sets



OUR SERVICES

Products

- Bevel Gears
- Spur Gears
- Pinion Shafts
- Internal Gears
- Components with External and Internal Gearing

Service Offerings

- Free Quotation Service
- Supply of New and Spare Parts
- Flexible Batch Sizes
- Design and Engineering Calculations
- Manufacturing Based on Sample Parts

Engineering & Engineering Services

- Gear design and calculation
- Reverse engineering
- KISSsoft and KIMOS applications
- Strength Calculations according to
- DIN, ISO and AGMA Standards
- Measurement and Analysis of Gear Data
- Creation of CAD Drawings
- References in the defence sector upon request



Quality Management

DIN EN ISO 9001:2015 Certified

- Material Certificates
- Heat Treatment Reports
- Grinding Burn Inspection
- Crack Testing
- Dimensional Inspection Reports
- Gear Measurement Reports
- Single-Flank Rolling Tests
- Balancing Reports
- Surface Topography Measurements

Applications & References

- Typical applications: all-wheel-drive and tracked vehicles
- Gears for propulsion systems in land, air and naval applications
- Integrated drivetrain solutions combining bevel gear sets, differentials, and spur gear components – all from a single source
- References from the defense sector available upon request

