

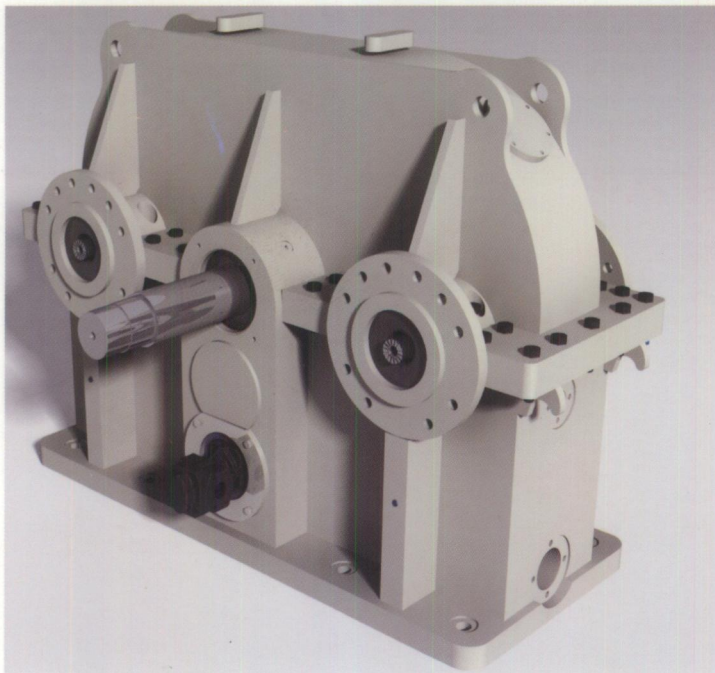
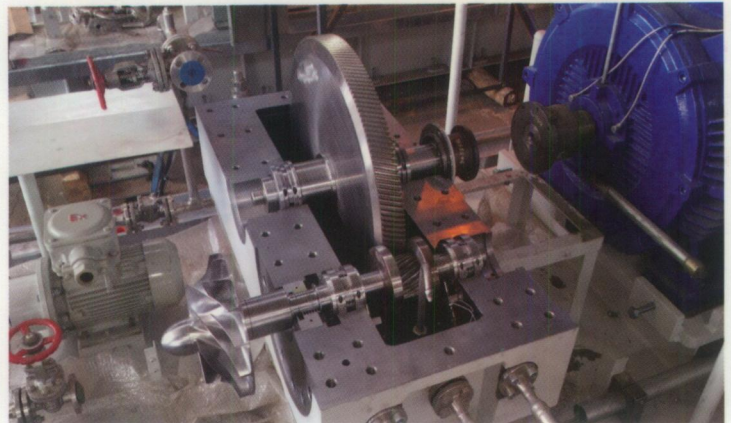


MANGAN INDUSTRIAL GROUP

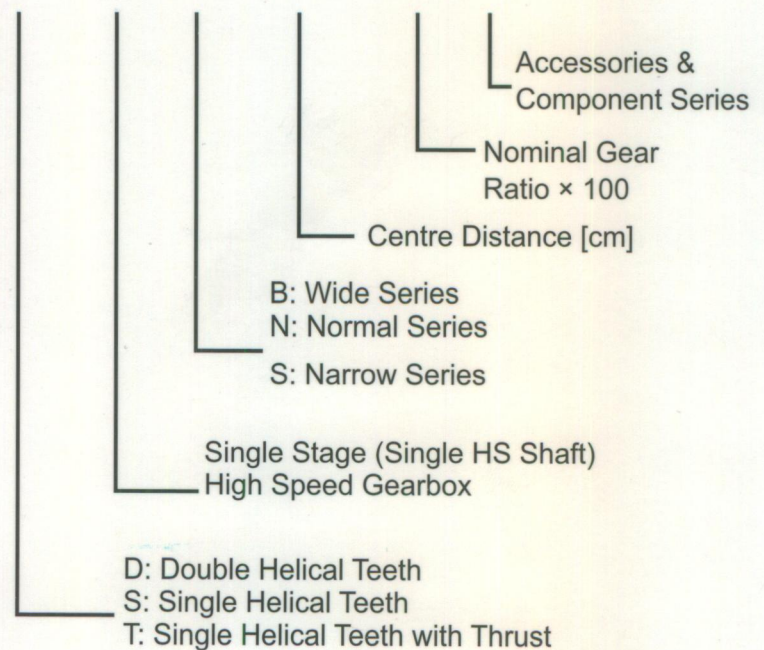
HIGH SPEED GEAR UNITS

Application

We supply our high speed gear units for applications such as alternators, pumps, fans and equipment of process plants. Mangan provides turbo parallel shafts and integral gear units with centerline distances ranging from 250 to 1000 mm and transmission ratio from 2.5 to 15.



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Type Designation

Mangan's gear units are designed in various types, including Double-Helical gear and Single-Helical gear with or without thrust collar. An overview of our products is shown here;



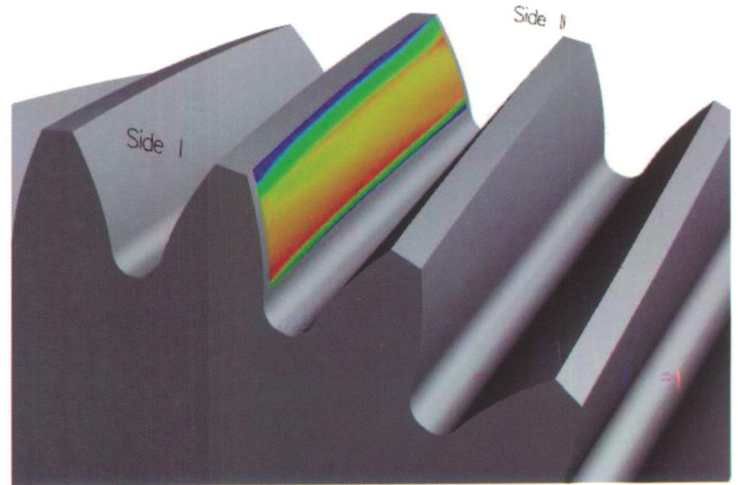
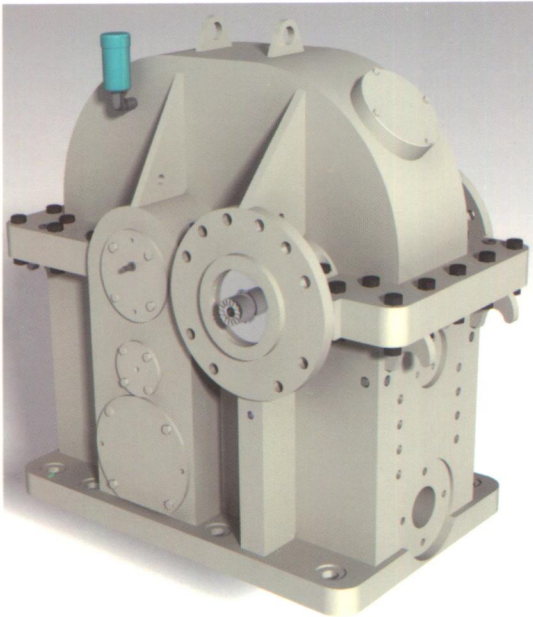


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HIGH SPEED GEAR UNITS

General:

Mangan started the production of Gearboxes more than 10 years ago, with the objective of fulfilling an in-house demand for Multi-Stage gears and gearboxes. Now, Mangan is proud to announce its newest line of high-speed parallel shaft gear drives, a perfect blend of world class engineering, long-term reliability and highly competitive cost.



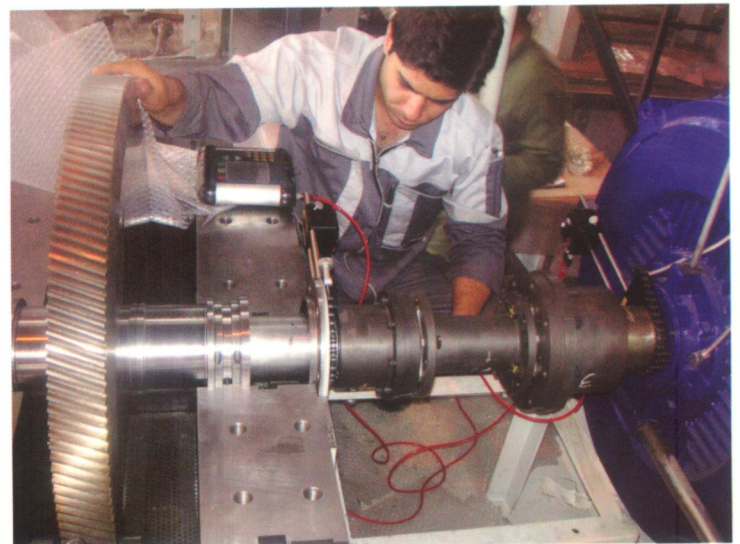
Analysis and Optimization

In order to ensure homogeneous load distribution in operation and to provide high reliability during the entire service life of the product, the teeth are ground with optimized corrections. In addition to high-precision manufacturing and control standards, each gearbox benefits from a dynamically optimized design of shafts and hydrodynamic bearings.

Design

Today, Mangan designs and manufactures a complete range of gears and gearboxes up to 25 MW rated capacity and shaft speeds up to 60,000 RPM.

- Maximum Power Output: 25 MW
- Max. Standard Centre Distance: 1000 mm
- According to API, DIN and AGMA standards
- With or Without Integrated Geared Pump
- High Efficiency due to Thrust Collar and Bearing Optimization
- Compact Design, High Power Density



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