



**Rexroth**  
Bosch Group

Mobile Hydraulics

## Products

Planetary Gears  
for driving and moving

Highly Flexible Clutches and Couplings

Product Unit  
Gear Technology

**Gearboxes and Couplings –  
Our Core Business Segments  
in Transmission Engineering**

Since May 2001, the product section transmission engineering (before: Lohmann + Stolterfoht GmbH) is part of the Bosch Rexroth AG. This yields numerous advantages through intercompany research and cooperation within such a large-scale organization. Trend-setting innovations have emerged from working closely together. Combining hydraulic and mechanical systems has produced many transmissions engineering highlights with a vast development potential still ahead. Of course we are working according to the Quality Management System DIN EN ISO 9001 and the Environment Management System DIN EN ISO 14001. These are achievements we can be proud of.

Being experts in transmission technology it is our duty to keep things moving. New challenges that come up must be addressed, existing and new markets served. With the innovative spirit of its staff and backed by the strength of the Bosch Rexroth AG we will remain in the top performer class in its line of business.

**Planetary Gears  
for driving and moving**

**Compact Hydrostatic Gears  
of Planetary Design**

HYDROTRAC GFT with integrated hydraulic motor

- for the travel drive of miniature and small excavators
- Output torque ranges from 3 to 9.5 kNm

HYDROTRAC GFT

- for the travel drive of track-laying and wheeled vehicles
- Output torque ranges from 13 to 330 kNm

MOBILEX GFA

- for the travel drive of large-scaled equipment
- Output torques up to 3250 kNm

The gears are as well suited for other applications such as in the drive of cranes, concrete mixers or feed systems, i.e. in rotary movement applications.

**Swing Gears**

MOBILEX GFB

- for excavators, cranes and all slewable equipment
- Output torques up to 650 kNm

**Winch Gears**

MOBILEX GFT-W

- to be integrated into rope drums for all kinds of cranes and lifting tackle
- Torque ratings from 3.5 to 3250 kNm
- Cable pull force up to 580000 kg

The gears come with end supporting bearing, or if requested, as complete units including cable drum and winch frame.

**Shaft-Mounted Gears**

HYDRODRIVE GMH

- with attached hydraulic motor satisfying application needs where true running at low speed is mandatory
- Torque ratings from 26.5 to 565 kNm

**Planetary gears for Wind Turbine Plants**

- Generator gears for wind turbine plants for generator power range starting from 650 kW
- Pitch gears for the rotor blade adjustment
- Azimuth gears for the wind direction adjustment

We supply gearboxes for wind turbine plants to well-known manufacturers according to their individual application demands.

**Planetary Gears of Standard Design**

Compact gears of planetary design with application-oriented input and output connection configurations, eg directly driven by hydraulic or electrical motors, or designed as foot-mounted, flanged or shaft-mounted units. The latter with shrink rings and torque reaction arm.

REDULUS GME

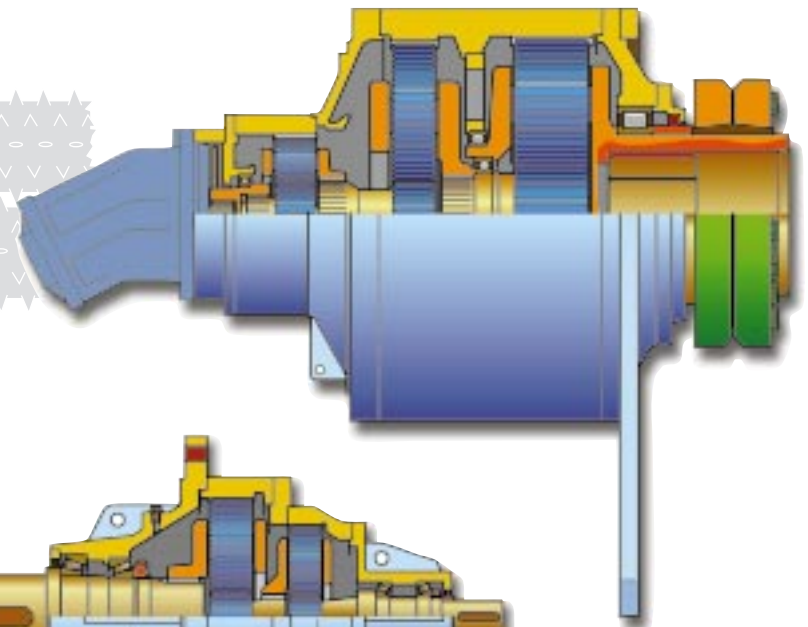
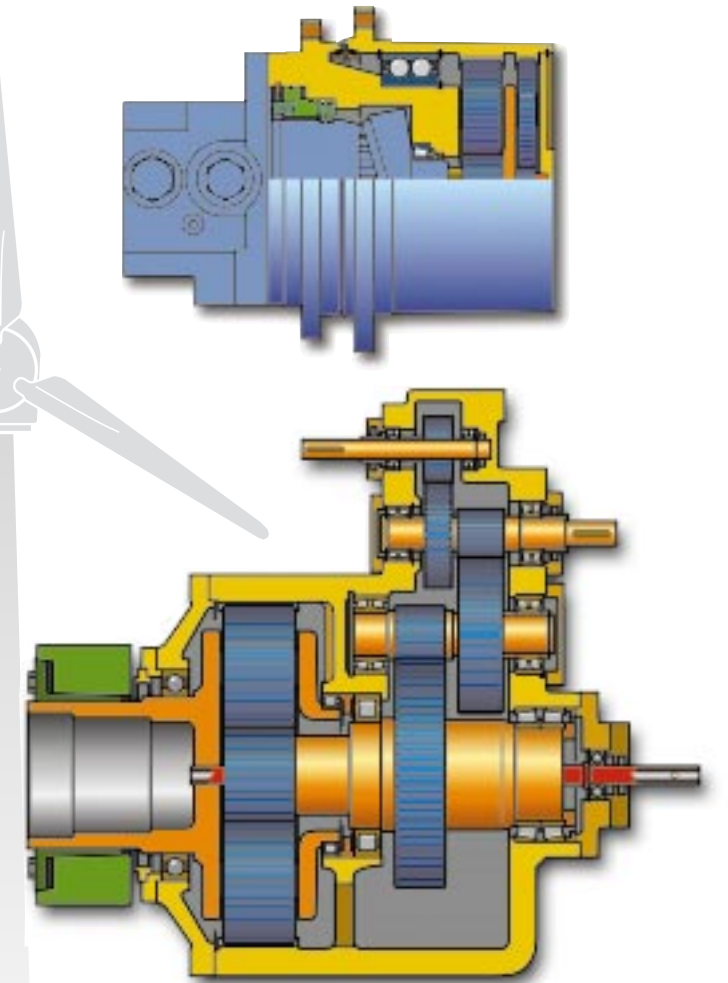
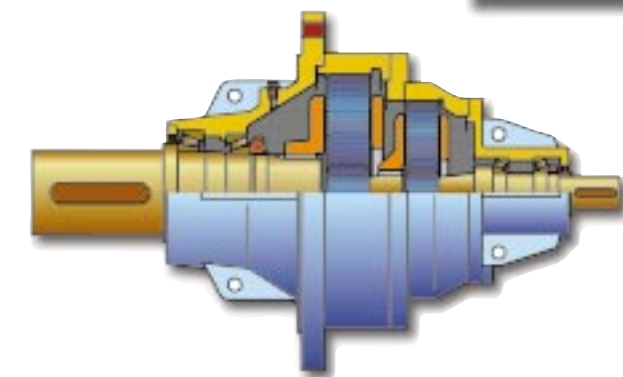
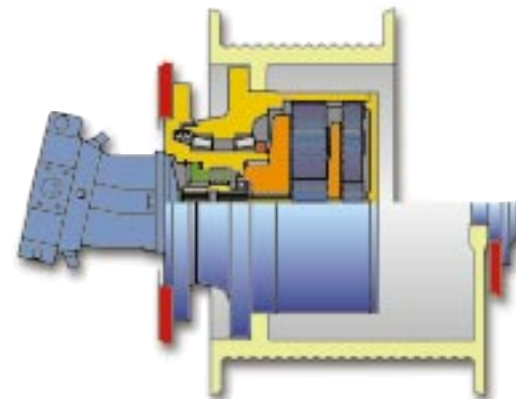
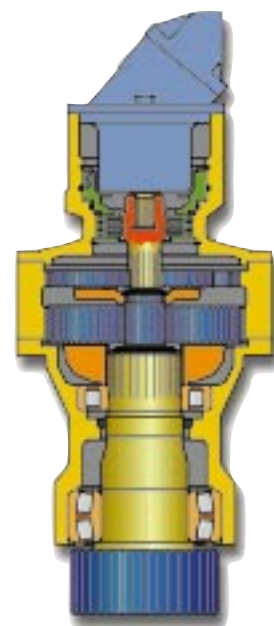
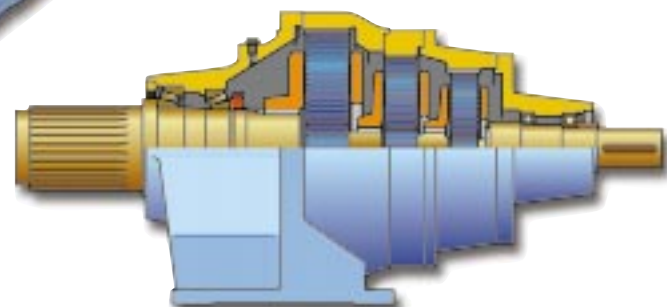
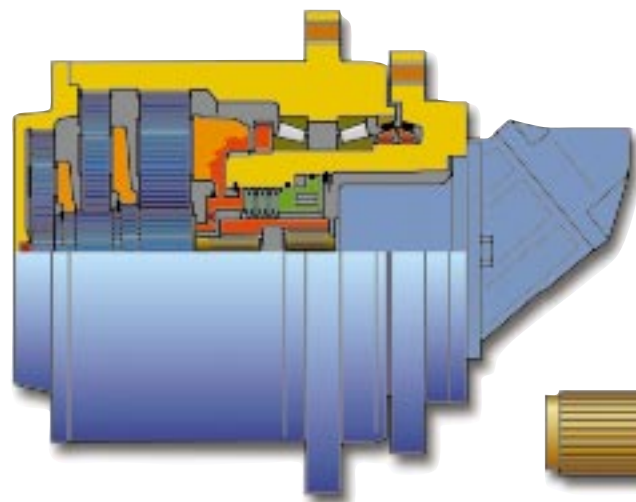
- Ratios from 3.8:1 to 2000:1
- Torque ratings from 2.4 to 2000 kNm

**Modified Planetary Gears**

- for general mechanical engineering
- for environmental technology applications
- for plastics engineering
- for plant construction and materials handling systems
- for open-pit and underground mining
- for cableways and lifts
- for waste disposal systems

**New Products**

- for unique off-road vehicles and mobile equipment



## Couplings and Clutches for Diesel Engine Installations

- compensating center mismatch and angular/axial misalignment
- protection against harmful torsional vibration
- minimizing structure-born noise
- service life exceeding average
- with an ample margin of safety

### Highly Torsionally Elastic Couplings

SPIROFLEX KSP/KSS

- torque ratings up to 928 kNm
- Couplings for torque ratings higher than 185 kNm come with segmented elastomer elements.

### Highly Torsionally Elastic Clutches

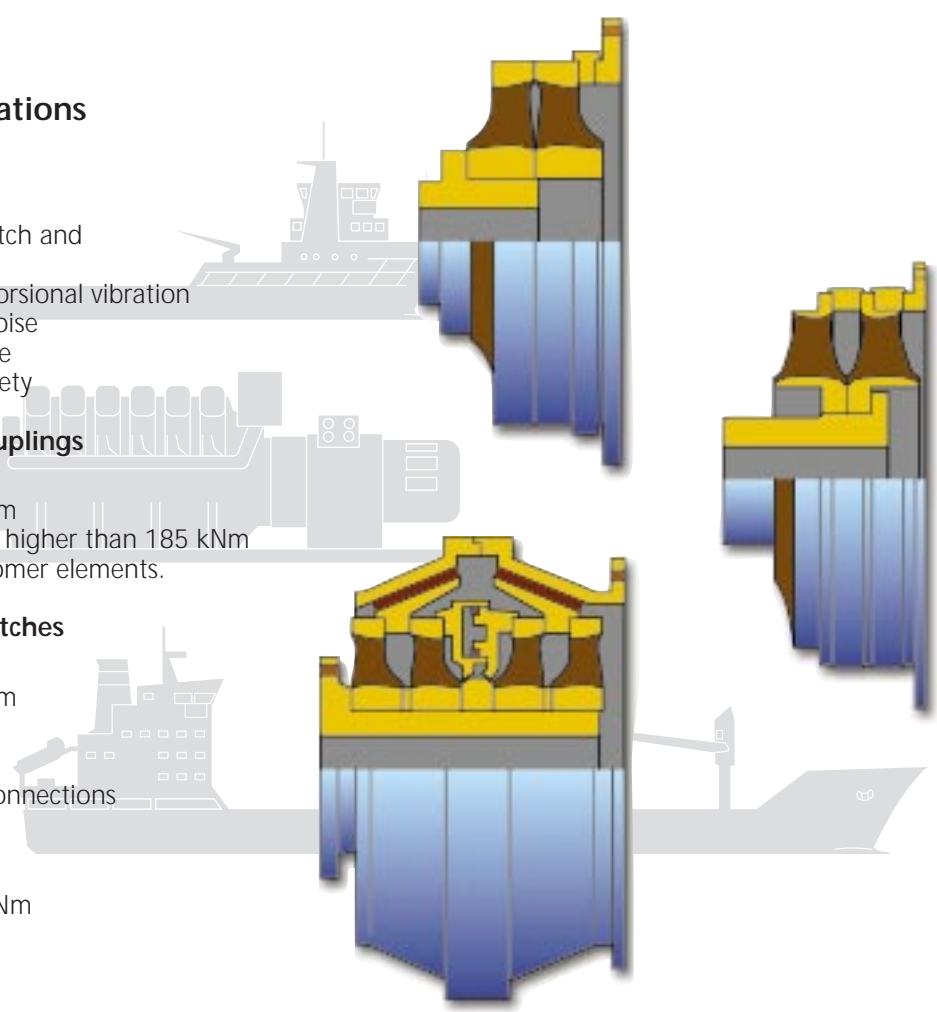
PNEUMAFLEX KA

- torque ratings up to 304 kNm
- Pneumatically operated.
- for stiff but still clutchable connections

### Torsionally Stiff Clutches

PNEUMASTAR KU

- torque ratings up to 1400 kNm
- Pneumatically operated.



## Global markets

Everywhere in the world there is demand for intelligent transmission solutions. Highly sophisticated gear and coupling products are devised and manufactured by the gearbox specialists of Bosch Rexroth AG to fulfil this demand. Our products serve numerous applications needs reliably and efficiently. Our performance includes of course first-class Customer Services. In the globally

active organization experts are ready to elaborate technical proposals to solve your technical problem as early as in the project phase.

We have the answers to questions of innovated transmission technology.

Wherever you need us!

# Bosch Rexroth AG

## Automation

Industrial Hydraulics

Electric Drives and Control

Linear Motion and Assembly Technologies

Pneumatics

Service Automation

Mobile Hydraulics

The Drive & Control Company