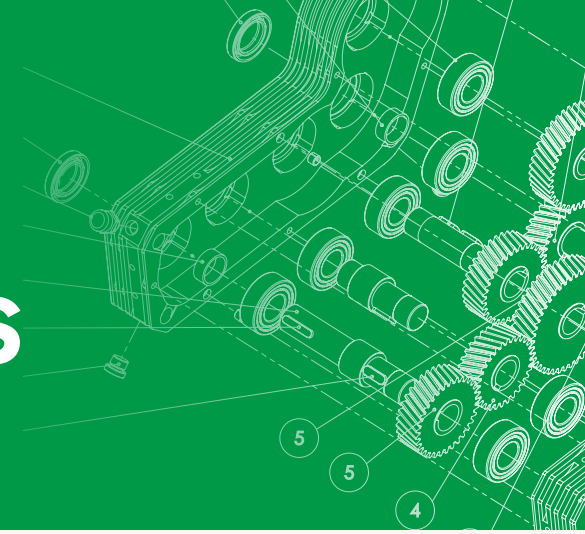




Transmission Systems



High Quality
Gearboxes
Made in GERMANY



We aim to construct
the best!

MARTIN
Special Technics

Explore the diversity of our self-developed Gearboxes

Unique gearboxes or in series – From the beginning we accompany your project with our expertise.

From construction to production - our experienced engineers and technicians support and monitor your gearbox project in all matters.

With our high performance 3 - and 5-axis machining centers we professionally manufacture the needed gearbox components. This allows us to meet your needs in every aspect and gives you the possibility to decide, whether you need just a single solution or a series of gearboxes.

Designing complex prototypes is also one of our core competences. From CAD-Drawing to 3D-Scan and 3D-Printing, the prototype shows us the feasibility (rapid prototyping).

Our specialized gearboxes have been successfully implemented and tested in the following fields:

- ▶ Generator drives
- ▶ Air compressed systems
- ▶ Sewer flushing pumps

1 Small-Sized Gearboxes

- ▶ Performance range from 5 kW to 50 kW
- ▶ Feasible gear ratio up to 1 : 5
- ▶ Different positions for input and output shaft possible

Our customized small-sized gearboxes have various application areas.

The possibility of different gear ratios within one gearbox allows us to manufacture the suitable gearbox for your field of application.

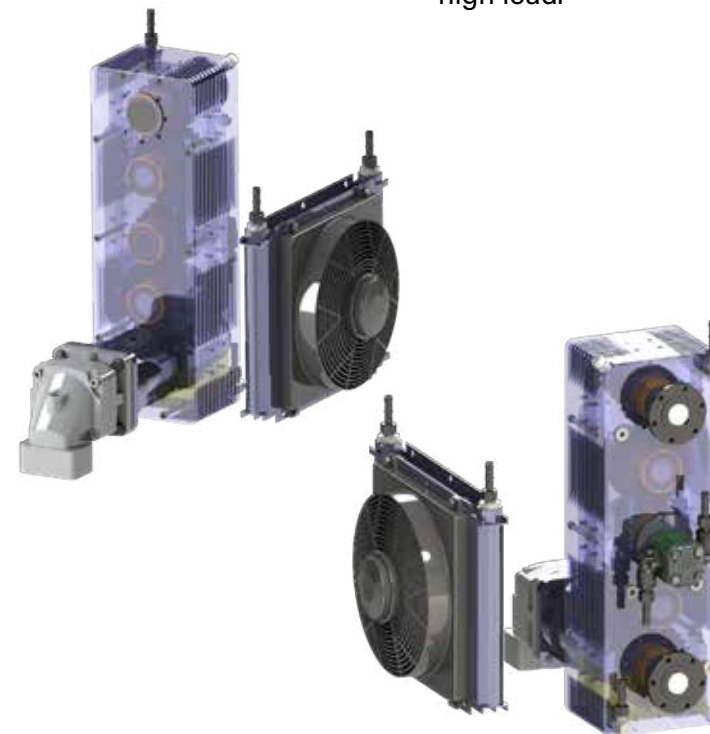


2 Heavy-Duty Gearboxes

- ▶ Performance range from 50 kW to 300 kW
- ▶ Gear ratio as per your request
- ▶ Different positions for input and output shaft possible

Our Heavy-Duty Gearboxes are specially designed to withstand even heavy loads and still .

Sturdy components inside the gearbox are specially selected to withstand even high load.



3 Multi-Tasking Gearboxes

- ▶ One Gearbox with the possibility of three different ratios and a reversal of the rotation direction.
- ▶ Different positions for input and output shaft possible.

The possibility of three different ratios and a reversal of the rotation direction distinguishes this gearbox as an all-in-one solution.

The specially designed box/ case stays the same, but the inside varies according to our customers' demands.



4 Customized Gearboxes

- ▶ Performance range as per your request
- ▶ Gear ratio as per your request
- ▶ Switchable gears possible

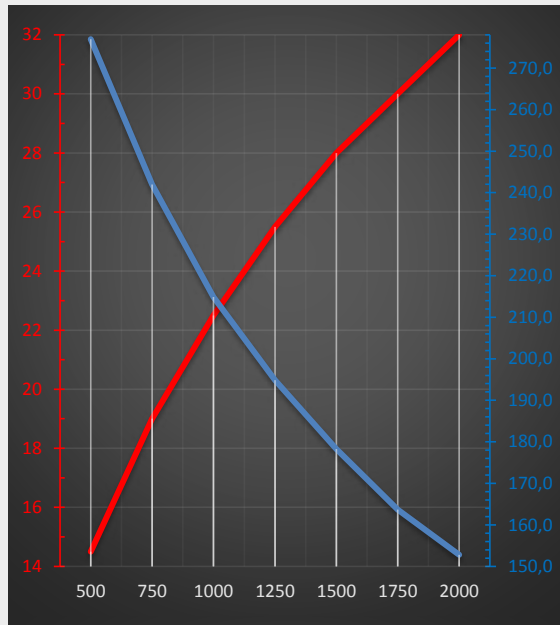
A perfect fit for your demands - we make it possible, even if it wasn't before.

You have an idea or a special requirement for the gearbox, but haven't been able to find something suitable just yet?

Contact us! Our engineers will find the right solution for you.



Example load chart of a small-sized Gearbox



— Performance (kW)
— Torque (Nm)









MKF Gearbox	240.0015
Ratio	i = 1 : 3,0
Height	222 mm
Width	170 mm
Depth	83 mm
Axial distance	84,88 mm
Inlet shaft	Ø 25 mm
Outlet shaft	Ø 20 mm
Reversal o. rotation direction	yes
Gear oil cooling	passiv
Gear oil quantity	190 ml
Oil change interval	1000 OpHrs / 2 years

The load charts enables us to proof, if there is already a suitable gearbox available or an adjustment is needed in order meet your demands.



MARTIN
Special Technics

- VOLTSTAR® POWER SUPPLY 
- COMPRESSED AIR SYSTEMS 
- AIR CONDITIONING SYSTEMS 
- TRANSMISSION SYSTEMS 
- HYDRAULIC SYSTEMS 
- SPECIAL PURPOSE VEHICLES 

Contact us!

MARTIN Special Technics GmbH

Fritz-Hopf-Str. 10
86720 Nördlingen
GERMANY



+49 (0) 9081 8097-0



info@martin-st.de



@MartinSpecialTechnics



@martin_special_technics

martin-st.de

