

High Speed Gearboxes



MAAG Gear Co. Ltd.

Custom-made high performance gearboxes for transmitting up to 120 MW, even under the most extreme conditions.

Main applications:

■ Compressor ■ Generator ■ Pump drives



One of the challenges of the most demanding applications is high speed gearboxes with low inertia.



Apply the gear concepts when it is necessary to transmit high speed torques in harsh conditions, such as offshore wind turbines and offshore compressors for natural gas.



The high performance of gearboxes consist of:

■ parallel shaft gearboxes with horizontal axes (single and multi-stage)

■ spiral shaft machines with an

■ planetary gearboxes with rotating or stationary planet carrier.

■ HSA/HSBM® multiple output shaft gearboxes for complex applications

Experience and technology



Centrifugal compressor, power plant for
Slovakia

Experience

30 years of your manufacturer have brought us the experience of meeting customer requirements.

Close collaboration with our customers and subsequent investment in their needs and special requirements has led to plants today which are easy to install and complete, the particularly in regard to safety and performance.

Throughout all these years, the experience and new technical structures gained have been consistently applied to our designs.

Thanks to our state-of-the-art performance standards, our plants undergo service throughout the world.

Main applications are divided into:

- centrifugal compressors
- screw compressors
- oil-free
- pumps

Irrespective of whether the gas to be compressed is intended for compression, pressure or pump drives, our centrifugal and screw compressors will help you overcome the most difficult challenges to find an optimum solution for your customer.

Available for your equipment list:
www.kompressor.com





Gearbox series

| Torque range 100 – 1 to approx. 10 | | | Torque range 1 – 1 to approx. 100 | |
|------------------------------------|--------|--|-----------------------------------|--------|
| Type | | Range of centre distance in cm (includes 40 steps of 10 mm) | Types with fixed centre distance | |
| 0-20 | 00-02 | 10-20 | 00-10 | 000-10 |
| 0-25 | 00-05 | 20-25 | 00-20 | 000-20 |
| 0-30 | 00-08 | 25-30 | 00-30 | 000-30 |
| 0-32 | 00-07 | 30-32 | 00-30 | 000-30 |
| 0-36 | 00-09 | 34-36 | 00-30 | 000-30 |
| 0-40 | 00-10 | 38-40 | 00-30 | 000-30 |
| 0-45 | 00-15 | 44-45 | 00-40 | 000-40 |
| 0-50 | 00-20 | 49-50 | 00-40 | 000-40 |
| 0-55 | 00-25 | 54-55 | 00-40 | 000-40 |
| 0-60 | 00-30 | 59-60 | 00-40 | 000-40 |
| 0-65 | 00-40 | 64-65 | 00-50 | 000-50 |
| 0-70 | 00-50 | 69-70 | 00-50 | 000-50 |
| 0-80 | 00-60 | 74-80 | 00-50 | 000-50 |
| 0-90 | 00-80 | 84-90 | 00-60 | 000-60 |
| 0-100 | 00-100 | 89-100 | 00-60 | 000-60 |



20 kW gearbox for the robot arm, standard design, with 40 steps of 10 mm of centre distance.

K type legend

High speed gearbox type **B** and **BB** – standard design with gear bearings.

High speed gearbox type **BB** and **BBB** – standard design with gear bearings and thrust rollers.

The type after the **B**, **BB** or **BBB** always refers to the standard centre distance in cm. There is a choice of centre distances, based on series **BB** available.

Larger and intermediate size gearboxes can be supplied.



Our new customer contact is designed to be a pleasant surprise.

C Customer contact

Keeping our customers informed is of major concern here. Information about the current program can be obtained at any time from our sales department.

We have therefore created customer service departments in each plant...

L Logistics

...to coordinate with a customer's stock or program-related inventory procedures.

The logistic department is responsible for the overall planning and execution of our customer's stock flow within the company.

Q Quality

We have created customer satisfaction by an all embracing quality assurance system that is based on the requirements of the ISO 9001 standard.

Separate branches are available for logistics and quality assurance.

Another important feature:

The solution is already supported by a structural matrix drawing produced by CAD.

