

MegaDrive

Intelligent Drive Solutions



MDR, MDRX SERIES

Sizes 17/ 27/ 37/ 47/ 57/ 67/ 87/ 97/107/ 137/ 147/ 167/ 177/ 187

| | | |
|------------------|----|-------------------------------------|
| GEAR UNIT RATIOS | i | 3.21 - 289.74 (1.30 -8.65 for MDRX) |
| TORQUE RANGE | Nm | 70 - 50000 |
| POWER | kW | 0.12-90 |

This series of gear units is the classic axial drive solution, offering an optimum torque-to-weight ratio. Their small size and high efficiency make them ideal for any application. The optional foot, flange, foot-and-flange mounting of the housing or the design with extended hub of the reinforced output shaft bearing ensure universal application in mechanical engineering.

MDF SERIES**PARALLEL-SHAFT HELICAL GEAR UNITS**

Sizes 37/ 47/ 57/ 67/ 77/ 87/ 97/107/ 127/ 157/ 167/ 177

| | | |
|------------------|----|-------------|
| GEAR UNIT RATIOS | i | 3.77-281.71 |
| TORQUE RANGE | Nm | 200-50000 |
| POWER | kW | 0.12-250 |

The MDF series parallel-shaft gear units and gearmotors provide a highly efficient and compact drive solution with parallel axes and a wide torque range. Designed primarily as shaft-mounted units, the gear units are extremely easy to mount and, thanks to their small size, are ideal for a wide range of applications also in foot and flange mounting.

MDK SERIES**HELICAL-BEVEL GEAR UNITS**

Sizes 37/ 47/ 57/ 67/ 77/ 87/ 97/107/ 127/ 157/ 167/ 187

| | | |
|------------------|----|-------------|
| GEAR UNIT RATIOS | i | 3.98-197.37 |
| TORQUE RANGE | Nm | 200 - 50000 |
| POWER | kW | 0.12 - 200 |

The MDK series of helical-bevel gear units and gearmotors is the most efficient solution for angular transmission. They meet most design requirements in the power range up to 200 kW with a maximum output torque of up to 50,000 Nm. The design of the gear units ensures that their shafts can carry high axial and radial loads, making them ideal for use in heavy industry applications. These gear units are characterized by their long service life and ease of maintenance.

MDS SERIES**HELICAL-WORM GEAR UNITS**

Sizes 37/ 47/ 57/ 67/ 77/ 87/ 97

| | | |
|------------------|----|--------------|
| GEAR UNIT RATIOS | i | 6.80 - 286.4 |
| TORQUE RANGE | Nm | 90 - 4000 |
| POWER | kW | 0.12 - 22 |

Gear units and gearmotors in 7 sizes for handling high operating loads. They are characterized by low noise emissions. The use of an input helical gear ratio results in higher efficiency compared to other worm gear units with comparable gear ratios. Multiple mounting options. They are ideal for a wide range of applications also in foot and flange mounting.

MDW SERIES

MDW series worm gear units and gearmotors are the perfect solution for applications where cost-effectiveness is particularly important in addition to reliability, maintenance-free operation and simplicity. The gear unit housings, up to size 90, are made of aluminum alloys and are protected against corrosion with a powder coating. The housings of larger gear units are made of cast iron and are protected with a standard paint coating. The price of gear units in this series is very attractive.

ADVANTAGES:

- Compactness - small size and low weight of the gear unit
- Interchangeability - no modifications required when replacing an existing gearmotor
- Low noise and vibration, ensuring comfortable and safe use
- Universal design, thanks to standardized housing construction and arrangement of mounting points.
- Maintenance-free
- Very attractive price

OPTIONAL:

- Double/triple gear unit
- Silicone seals, Viton®
- Special painting
- Food-grade oil

AVAILABLE VERSIONS

| |
|-------------------------------|
| IEC motor input |
| Solid output shaft |
| Double input with solid shaft |
| Custom input |
| Side flange |
| Solid input shaft |
| Reaction arm |
| Pre-stage reducer |

EXEMPLARY CONFIGURATIONS

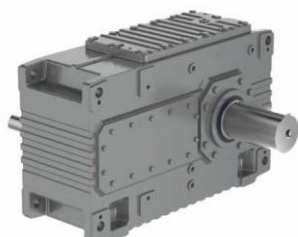
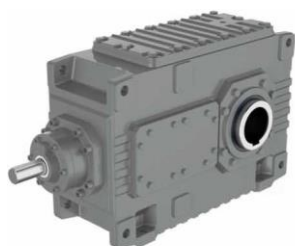
cast iron housing



Widely used industry standard, which maintains high quality at maximally optimized production costs

MDB AND MDH SERIES

The series of industrial angular and parallel gear units is adapted for operation under harsh conditions and in continuous motion. A wide range of accessories and a modular design means that you can configure a solution tailored to your needs!



GEAR UNIT RATIOS

i

1.25 - 450

TORQUE RANGE

kNm

3 - 1400

GEAR UNIT RATIOS

i

5 - 400

TORQUE RANGE

kNm

6 - 1400

BENEFITS:

- Durability - operation under difficult conditions
- Versatility - rotating housing for right- or left-sided mounting
- Variety - wide range of accessories, e.g.
- Safety - durable housing and thermal efficiency

OPTIONAL:

Customized design to meet the needs of a specific application.

PLANETARY GEARUNITS

MDP Series

High load-carrying capacity combined with maximally optimized dimensions.

| SIZE | TORQUE(Nm) | SIZE | TORQUE(Nm) |
|------|------------|------|------------|
| MD00 | 1000 | MD11 | 40000 |
| MD01 | 1750 | MD13 | 55000 |
| MD03 | 2500 | MD14 | 80000 |
| MD04 | 3600 | MD15 | 100000 |
| MD05 | 5000 | MD16 | 135000 |
| MD06 | 8500 | MD17 | 170000 |
| MD07 | 12500 | MD18 | 250000 |
| MD09 | 18000 | MD19 | 350000 |
| MD10 | 25000 | MD21 | 500000 |

BENEFITS:

- Wide range of sizes and torques
- Extreme speed reduction at high torque
- Low maintenance costs
- Exceptionally flexible configuration
- Simplification in the design of machinery



The modular system also gives you access to a wide range of optional accessories.

MegaDrive

MegaDrive offers motors in every applicable efficiency class according to IEC 60034: IE1, IE2, Premium IE3 as well as Super Premium IE4 motors. This is the company's response to developments in international environmental policy. In addition, the company offers a wide range of motors with a brake, independent cooling, an encoder as well as any other required equipment. MegaDrive's range of three-phase motors is competitively priced and at the same time complies with the most important global standards.



OTHER PRODUCTS



Variators



PC pre-stage reducers

Energy efficient drives
for pellet feedersDrives for central heating
boilers

Screw actuator

MDTA series parallel-
shaft gear units

Couplings

Frequency
converters

MegaDrive

Intelligent Drive Solutions

MegaDrive is a Polish company offering comprehensive solutions in the field of drive technology dedicated to industry and beyond.

It provides individually tailored technical solutions, guaranteeing short delivery times. With the help of its experienced technicians, it provides professional warranty and post-warranty service.

MegaDrive provides only high-quality products based on proven components from qualified manufacturers.

An extensively stocked warehouse of components and finished products is the basis for short order processing times, high offer flexibility and a wide range of available variants.

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