

FLENDER gear units – MOTOX series Helical Gearbox



Description

MOTOX helical gearboxes are designed for continuous duty. The gearbox housings made of cast iron are developed in 3D CAD and have an optimized structure in terms of rigidity and vibration absorption. Radial shaft seals with dust protection lips prevent oil leaking out of the housing, dust and water from entering it. All the gear wheels are milled and their surfaces hardened. The tooth flanks are ground or honed so that they are convex and corrected in terms of the profile.

MOTOX helical gearboxes are of single stage, two stage and three stage design. The MOTOX helical gearbox series can be supplied in foot mounted or flange mounted design for mounting in any position.

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Technical Data

Types	Helical Gear Units with IEC Adaptor
Sizes	9 sizes
Gear Stages	1 stage, 2-stage and 3 stage
Power Ratings	Up to 200kW
Transmission Ratios	$i = 1.36$ to 50901
Nominal Torques	32 to 20000 Nm
Mounting Types	Foot Mount or Flange Mount

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Advantage

- High Rated Gear Unit Torques
 - High Gear Unit Ratio
 - Quiet Geared Motors
 - High Degree of Flexibility
 - IEC Adaptor Compliance to EN/IEC standard motor for easy coupling
 - More efficient in maintenance with the flexibility of IEC adaptor to minimize downtime of production
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Application

All general industrial that required speed reduction on equipment such as conveyor system, mixing equipment, feeder machine, elevator and etc.