

How we're driving the world

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SEW
EURODRIVE

X series: the most important facts and figures

Design features:

- Independent industrial gear unit platform
- Helical and bevel-helical gear units
- Single-part and split gear unit housings
- Reversible gear unit housing
- Universal mounting positions
- Modular-system technology
- Great number of variants due to predefined accessory equipment and options
- Customer-specific adaptations

Advantages:

- Extremely robust gear unit housing
- Reduced costs and weight due to high power density and finely stepped sizes
- Effective cooling systems
- Two mounting positions can be realized with a single version
- Flexible mounting capability
- Efficient project planning tools including 2D and 3D dimension drawing generators
- Short delivery times for standard versions and spare parts
- Worldwide service

Preferred application areas:

- In conveyor systems as used in the building material, extractive, chemical, food and feed industries
- In the environmental industry
- In agitators and mixers
- In the timber and paper industry
- In the steel industry
- For bucket conveyors in bulk-handling technology
- For shredders/disintegrators
- As travel drive for cranes
- Calander drives in the plastics industry

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Driving the world

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X series

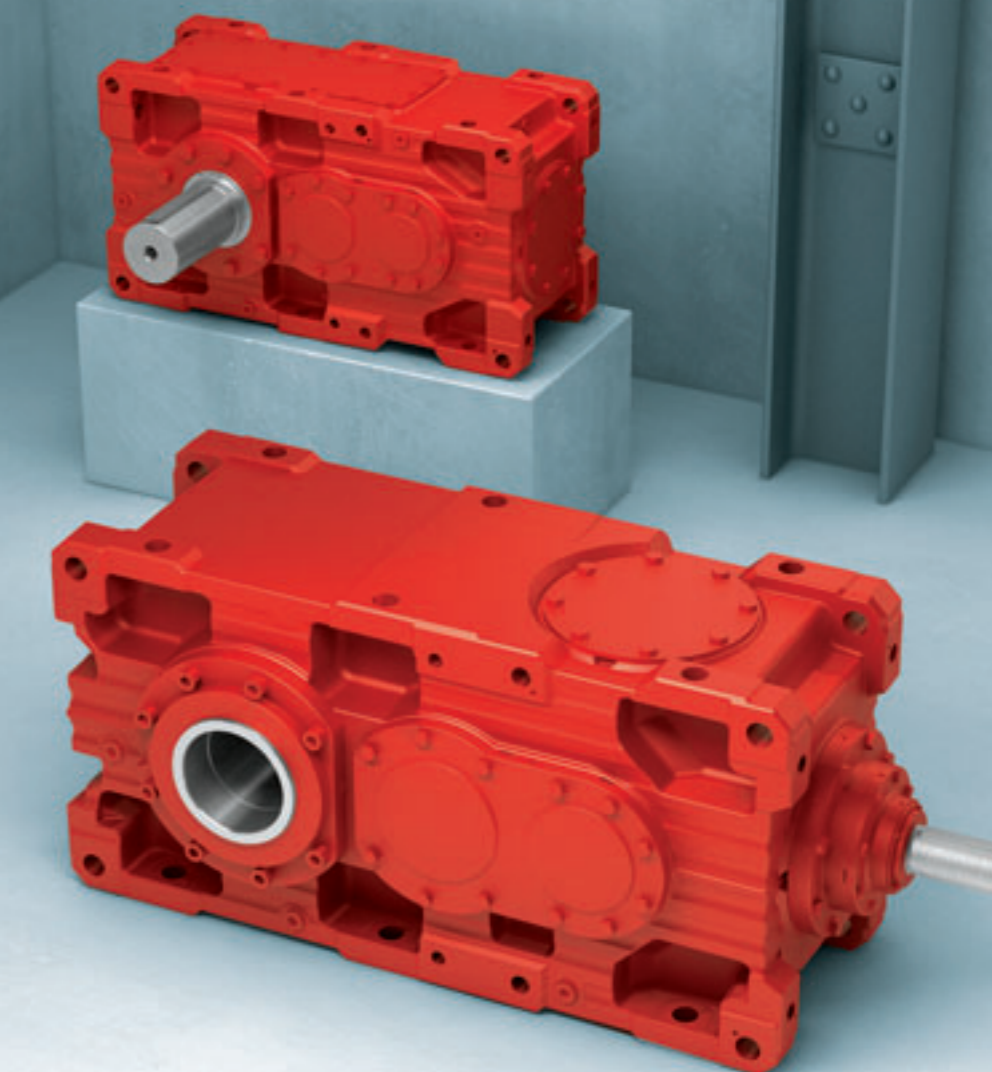
Gear ratios and torques

X.F.. helical gear unit:	2, 3 and 4 stages, Gear ratio i = 6 ... 400
X.K.. bevel-helical gear unit:	2, 3 and 4 stages, Gear ratio i = 6 ... 400
Bevel-helical gear units X.T.:	3 and 4 stages, Gear ratio from i = 12 ... 400

Gear unit size	Torque class M _{N2} [kNm]
180	58
190	65
200	79
210	90
220	112
230	131
240	156
250	175

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X series: redefined size range

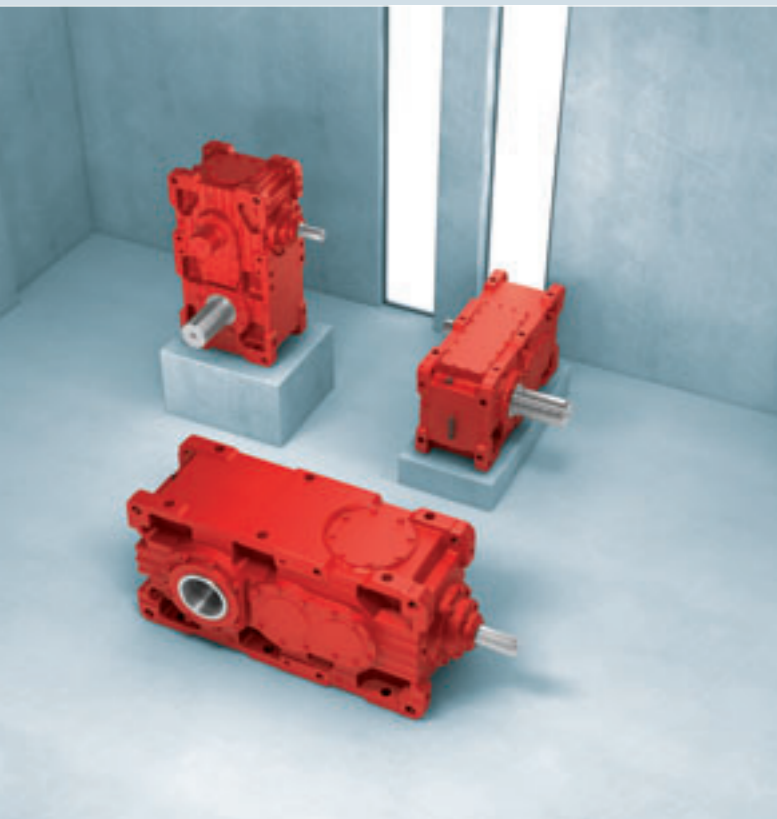
The new in-house development of SEW-EURODRIVE is nearly unrivaled with its fine size graduation that covers the medium torque range from 58 to 175 kNm. The great number of predefined optional equipment offers a high level of flexibility for adjusting the industrial gear unit to the specific application with a minimum of components at maximum availability.

The wide range of gear ratios for helical and bevel-helical gear units of 6 – 400 demonstrates that the X series meets the requirements for a complete and comprehensive gear unit series. Nearly any mounting position or shaft arrangement can be implemented on the driven machine. The reversible gear unit housing allows for variable installation since two mounting positions can be implemented with a single version. This means a reduced number of variants for

operators and original equipment manufacturers. Influencing factors, such as operational reliability and ease of maintenance, have been particularly taken account of in the design of the robust housing, low-noise gearing, and cooling system. Efficient project planning tools, which include the generation of 2D and 3D dimension drawings, as well as predefined drive packages for conveyor drives and bucket elevator drives complete the product range. If none of the predefined designs matches the specific customer application, it goes without saying that we will customize it for you.

X series – the new industrial gear unit platform with finely graduated sizes

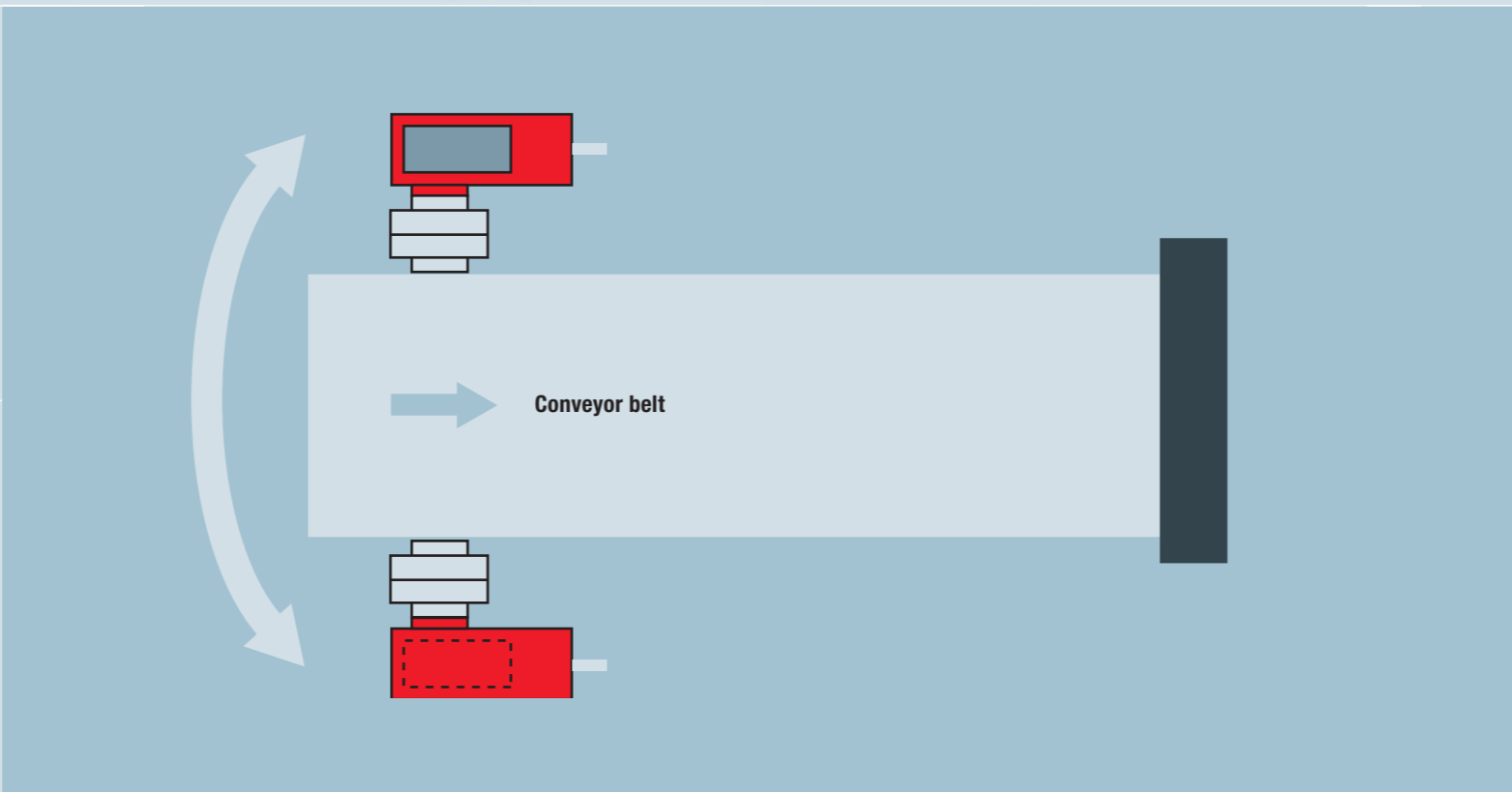
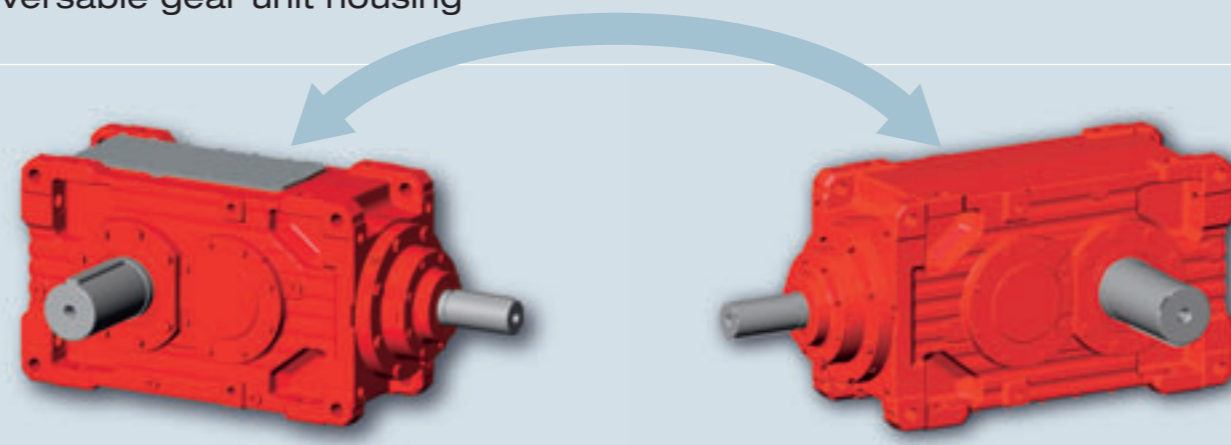
 The intelligent, comprehensive gear unit concept convinces by finely graduated sizes, variable installation and a great number of modular options, such as motor adapters, backstops, sealing systems, shaft end pumps, mounting flanges, etc.



Universal gear units for flexible mounting options

The design for horizontal gear units is characterized by the reversible gear unit housing. So far, gear units had to be selected specifically for mounting on the right or left side. Mounting on both sides was only possible by means of throughgoing input and output shafts. This extra effort is not necessary any longer with the X series.

Reversible gear unit housing



High efficiency through effective cooling systems

The new advanced fan was designed for the input shaft for conveyor drives. This means the gear unit will be cooled even if air supply is impeded, for example when fluid couplings, brake discs or V-belt pulleys are installed.

Advanced fan

