

# Planetary gearmotors

Marine and Offshore

[svendhoyer.com](http://svendhoyer.com)



**HOYER**

EXCEEDING EXPECTATIONS

A complete unit made for open deck applications with endless options to face the challenging maritime demands.

Planetary gearmotors - for winch and slewing applications

Through the years Hoyer has supplied the marine and offshore industries with electric motors and various transmission solutions giving an extensive market insight. With the new planetary gearmotors the acquired knowledge is further implemented in the Hoyer product range.

Together with the Hoyer marine brake motor a full-package solution for various winch and slewing applications is introduced. The Hoyer planetary gearmotors with gears from Italian manufacturer Rossi combines the expertise from two specialised companies in one product to ensure the best service and solutions no matter the challenge.

**"The cooperation between Rossi and Hoyer dates back to 1978 and ever since the two companies have worked together offering the best gearmotor solutions in the business"**

## Design and setup

A complete unit made for open deck applications with endless options to face the challenging maritime demands.

Hoyer marine brake motor from size 132 to 355 is equipped with Stromag brake, Wistro cooling and Kübler encoder. It can be supplied as TENV (IEC 410), TEFC (IEC 411) or TEFV (IEC 416).

Rossi planetary gears EP and EPS series are ideal for winch and slewing applications from capstans to deck cranes. The comprehensive range offers high performance, energy savings and easy maintenance.

All Hoyer planetary gearmotors are assembled by product specialists at our high-end workshop in Denmark. The setup and long-lasting cooperation with Rossi ensures flexible plug and play solutions that minimize handling, testing and documentation for our business partners.



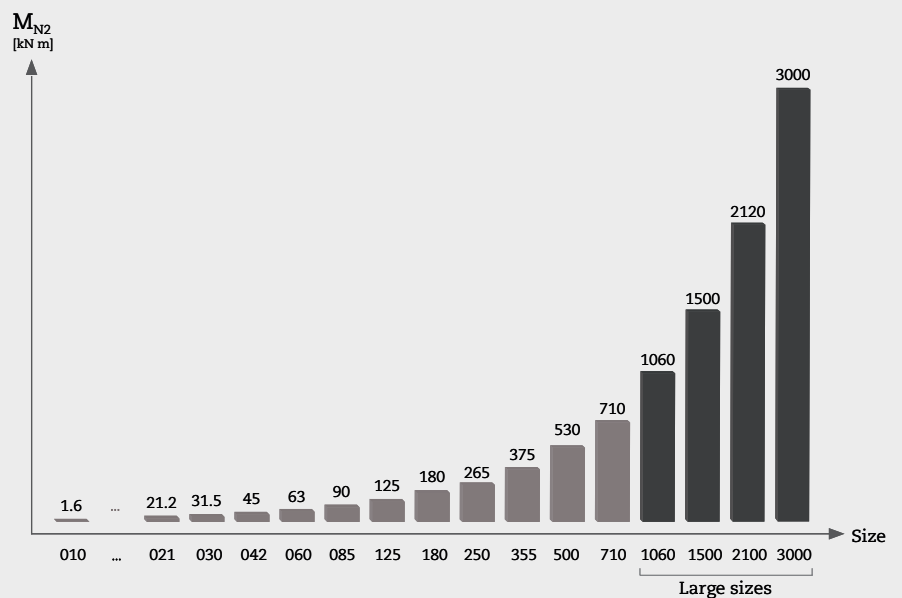
## Planetary gearbox range – EP series

- New state of the art modular design. 1,600 – 3,000,000 Nm
- In-line or bevel execution according to application specifications
- 24 sizes to meet various requirements. Improves performance and saves costs
- Option for flange, foot or shaft mounting
- Various output solutions: pinions, cylindrical and splined male shaft, driving flanges and hollow shaft
- Possibility of combined planetary + helical units for better thermal rating
- Double seal on output shaft on gears above 30,000 Nm
- Multiple lubrication points at 90° angle, easy to reach and option to install oil and temperature probes
- Design that allows full oil replacement
- Push off port for hollow shrink disc design
- Enhanced internal lubrication
- Available as gear reducer (without motor) with various input adaptor flanges

## Range of sizes – Ep series

The planetary gearbox range is suitable for customised demands and offers endless possibilities.

No matter size and requirements a solution is guaranteed.



## Planetary slewing gearbox range – EPS series

- Slew drive planetary gears. 9,000 – 400,000 Nm
- 13 sizes and 3 output reinforced support configurations. Improves performance and cut costs. R dual pilot flanged; -S dual pilot compact and -H single pilot front flanged
- Heavy duty bearings for maximum load capacity
- 4 planets built-in final stage giving lower backlash
- Ground gears: over 16 months maintenance intervals with PAO oils
- Eccentricity onto the slewing gearboxes for high precision and reduced shock loads
- Double seals and labyrinth seal option on the slewing gearboxes for enhanced seal life
- Multiple lubrication points at 90° angle, easy to reach and option to install oil and temperature probes
- Hydraulic parking brakes ranging from 75 N m to 4250 Nm static torque. Option to install pre-reduction stage to improve thermal capability for continuous high speed duty



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