



## FLENDER TÜBINGEN EHB-Drive System

The systems partnership between FLENDER TÜBINGEN and Siemes AG will enable us to deliver a complete EHB drive system by a single provider.

The new concept is based on MOTOX<sup>®</sup>-N-EHB-gear motors and control systems using SIMATIC-S7-standard components by FLENDER TÜBINGEN.

### Technical data

**Bevel helical gear motors and helical worm gear motors KH and CH series in 6 sizes in each case**

Torque range:  
from 72 Nm to 820 Nm

Power range:  
from 0,18 kW to 7,5 kW

Speed range:  
from 2,7 1/min to 360 1/min

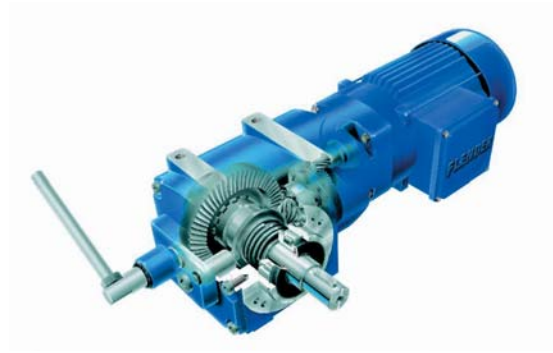
Transmission range:  
from 5,36 to 34

max. permissible  
radial forces on the output shaft:  
from 6.500 N to 25.000 N



**Motox<sup>®</sup>-N EHB gear motors** offer an economical selection of sizes thanks to an optimum torque range of between 80Nm and 821Nm with finely graduated transmission ratios.

Permissible gear loads of between 6.500N and 25.000N enable EHB systems to cover the entire load range.



The protection design complies with the 3643 VDI guideline.

The use of helical-bevel gear teeth with efficiencies of over 90% guarantees economical and energy-saving solutions, particularly on ascents.



Die **FLENDER TÜBINGEN-SIMATIC-EHB-control system** is based on SIMATIC S7 standard components, by which the individual vehicle control systems communicate with the overriding central PLC via the internationally standardised PROFIBUS-DP. This takes over the vehicle tracking and soft control.

The use of standard industrial components and communication via the PROFIBUS-DP offers both original equipment manufacturers and end-users decisive advantages:

- ✓ **Open system solution throughout**
- ✓ **High flexibility with process optimisation**
- ✓ **Use of SIMATIC STEP 7 standard software**
- ✓ **Simplified and fast project planning - easy adaptability**
- ✓ **Simplified installation and start-up**
- ✓ **High system availability**