



FLENDER TÜBINGEN system solution in crane technology

FLENDER TÜBINGEN has been the world's leading drive manufacturer in crane technology for many years. The optimum system technology comprising a gear motor and control technology is available for all crane travelling gear, trolley travelling winches, cable drum drives and, of course, lifting gear.

The new MOTOX[®]-N and MOTOX[®]-G generation of gear units integrates all the applications experience gained in the area of part-load transport.

Technical data

**Bevel helical gear motors and
Shaft mounted gear motors in 14
sizes in each case**

Torque range:
from 250 Nm to 75.000 Nm

Power range:
from 0,12 kW to 200 kW

Speed range:
from 1,5 1/min to 520 1/min

Transmission range:
from 3,8 to 459,5



Portal crane

The compact bevel and shaft-mounted gear motors are used as trolley drives and travel drives.



Travel drive

A wide range of drive options is available to meet the operational requirements for the power characteristics or use in harsh climatic conditions.

Gear unit/crane options

Bevel helical gear unit/
shaft-mounted gear unit
Hollow shaft/shring disk/spline shaft
Syn. oils
spec. ventilation
Oil filling nozzle
Oil drain cock
Cassette shaft sealing ring

Motor/crane options

reinforced insulation system
Space heater

Brake/crane options

Air-gap monitoring
Wear monitoring
Sealed brake

Frequency inverter

closed loop
Brake chopper/brake resistance
Feed-back unit
S-ramp

The consistent modular logic enables the bevel helical gear units to be used as cable drum drives. The bevel helical gear unit with its powerful output group accommodates the entire cable drum body and so forms the basis of a complete drive solution.



Cable drum drive



Ship-to-Shore crane

Naturally MOTOX[®]-DRIVE control systems perform all the specific crane drive functions, such as jerk-free movement, precise placing and secure handling.

By using FLENDER TÜBINGEN system technology in your crane systems you are setting a new standard in process reliability, technical innovation and efficiency.