

SYSTEM SOLUTION IN CRANE TECHNOLOGY

Flender Drives & Automation is one of the world's leading drive manufacturers in crane technology. 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.

Technical information:

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

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



Travel drive

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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

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



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 accomodates 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 Drives & Automation system technology in your crane systems you are setting a new standard in process reliability, technical innovation and efficiency.

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