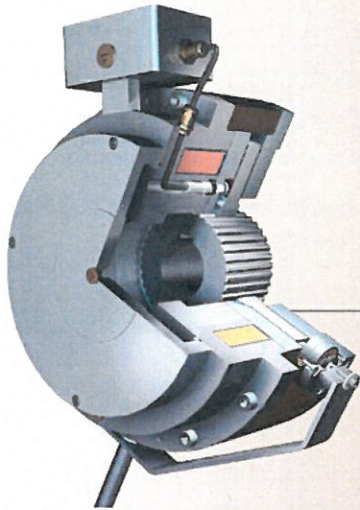


Clutches and Brakes

NFF Brakes

Brakes for Compact Industrial and Crane Applications



Electromagnetic Double-Face Spring-Applied Brake with a High Protection Against Harsh Environments

The NFF Brake with its high degree of protection fulfills the highest requirements for durability and robustness.

Applications

Harbour and marine cranes, in container transportation plant, for long travel drives, hoisting and trolley travel gears, suitable for seawater environment and similar harsh environments.

Benefits include

- Brake torque range 20 – 10.000 Nm
- Protection up to IP 66
- All components with special surface protection
- Type Approval: GL
- Simple assembly to motor, no brake disassembly required
- Free from restoring force when braking
- Robust, reliable design with very low inertia
- Excellent heat dissipation
- Wide range of options like braking torque adjustment, manual release, terminal box, preparation for tachometer mounting, standstill heater, microswitches
- Rectifiers and high-power quick switching units optimize the switching comfort

MAIN FEATURES

Coil Body with coil	Thermal class 155, nitrocarburated and postoxidated
Outer Body	Manufactured in sea water proof aluminium with large inspection holes
Friction Plate	Special protection: nitrocarburated and postoxidated
Brake Flange	Special protection: nitrocarburated and postoxidated
Friction Lining	Low wear rate with low torque fade over a high range of temperature. High thermal capacity
End Cover	Manufactured in sea water proof aluminium with provision for standstill heater
Hub	Nitrocarburated and postoxidated
Fixings screws	All stainless steel
Flying Leads	1 metre long
Seals	For high protection