

Clutches and Brakes

# Stromag 4 BZFM

## Brakes for Offshore and Marine Applications



### Flood and Seawater Proof Electromagnetic Double-Face Spring-Applied Brakes

The Spring-Loaded Electromagnetic Double-Face Brake 4 BZFM brakes without current and is released electromagnetically. The 4 BZFM brake type with its high degree of protection, fulfills the highest requirements for durability, robustness and seawater resistance.

### Applications

Offshore in deck motor winches, anchor windlasses, deck cranes, cargo winches and trawler winches; in rolling mills, steel mills and mining under difficult climatic conditions.

### Benefits include

- Brake torque range from 63 to 11,000 Nm
- Protection up to IP 67
- All components with special surface protection
- Type Approvals: ABS, GL, LRS, DNV, BV, RR (on request)
- Simple mounting, highly serviceable, fully functional without cover
- Braking does not generate additional axial or radial forces
- Connecting flanges to IEC Standards
- Strong, reliable design with low inertia
- Excellent heat dissipation
- Wide range of options like tachometer mounting, terminal box, anti-condensation heater micro-switches to monitor switching states and/or wear indication
- Rectifiers and quick switching units optimize switching comfort

#### MAIN FEATURES

Coil body with coil	Thermal class 155, nitrocarburated and postoxidated
Armature disc	Special protection: nitrocarburated and postoxidated
Brake disc	Special protection: nitrocarburated and postoxidated
Friction lining	Low wear rate with low torque fade over a high range of temperature
Flange	To IEC standard
Cover	Manufactured of gray cast, from size 400 of seawater protected aluminium
Pinion	Nitrocarburated and postoxidated
Fixing screws	All stainless steel
Flying leads	1,5 metre long, radial or axial
Seals	For high protection

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