# **RINGSPANN®**

## Thrusters with impeller pump



Maximum lifting force up to 4,5 kN

#### Your benefit

- >> Proven design with an impeller pump for pressure generation
- >> Fully analogue design no separate control card required
- >> Simple, robust and easy to maintain design
- >> SKF high performance bearings
- >> Optional low or high temperature design from -40° C / -40° F up to 100° C / 212° F



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# **RINGSPANN<sup>®</sup>**

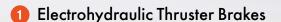
# Leading manufacturer of brake systems

As a leading manufacturer of braking systems, RINGSPANN offers brakes, couplings, brake discs and brake control systems for heavy industry.

Our brake portfolio offers a wide range of brakes and peripheral equipment, specially designed for the high demands of harbour crane applications.

### For all drive units - main hoists, boom hoists, trolley drives and gantry drives - we supply:

- Electrohydraulic thruster brakes and thrusters
- Emergency brake calipers with hydraulic power units
- Couplings with brake discs
- Brake Control Systems
- Condition Monitoring Solutions
- Storm Brakes



- 2 Pin and Bush and Jaw Couplings with Brake Disc
- 8 Brake Control System and Condition monitoring
- 4 Emergency Brake Calipers
- 6 Hydraulic Power Units



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