

Brake Caliper HS 165 FHM-420 ... -H

spring activated – hydraulically released



Features	Code
Brake Caliper	H
Floating caliper	S
Frame size 165	165
Spring activated	F
Hydraulically released	H
Manual adjustment to accommodate friction block wear	M
Max. clamping force 420 kN	420
Thruster mounted right or left available	R L
Mounting to the machine at right angles to the brake disc	H

Example for ordering

Brake Caliper HS 165 FHM, max. clamping force 420 kN, thruster mounted left, mounting to the machine at right angles to the brake disc

HS 165 FHM-420 L-H

Technical Data

Brake disc diameter	Braking torque
mm	Nm
800	97 700
1 000	131 000
1 250	172 700
1 600	231 000
2 000	297 700
3 000	464 300
3 500	547 700
4 000	631 000
Clamping force	420 kN
Oil pressure	min. 230 bar max. 250 bar
Oil volume	max. 70 cm ³
Thickness of brake disc W	30 mm
Weight	625 kg

The braking torques shown in the table are based on a theoretical friction coefficient of 0,4.

Working conditions

- Ambient temperature: -20 °C / +60 °C
- Air humidity: <90%

Monitoring switch

- 240 VAC 1.5 A; 250 VDC 0.1 A
- Cable 5 x 0.75 mm², length 2 m, outer diameter 7.5 mm
- Protection type IP67

Optionen

- Integrated Hydraulic Power Unit
- Friction pads with wear indicator cables or sintered friction linings (for high temperatures)
- Corrosion-protected version
- Low temperature version
- Offshore certifications
- ATEX certifications for hazardous areas

Notes

- Eyebolts included
- **Fastening:**
6 screws M 30, class 8.8 with tightening torque 1 200 Nm ±10% μ 0.15 (not supplied)

