This brake is a perfect example of how a premium product can be made out of an industry standard if you opt for the right components from the very beginning.

Holger Brink, Manufacturing

Active yaw brake caliper

JHS-32

- Brake hydraulically applied
- Airgap between brake pad and disc up to 2 mm per side
- Special epoxy resin pads with GFK carrier plate
- Tight fitting between brake pad and caliper
- Drain ports for hydraulic oil leakage, prevents oil on brake disc, high safety
- Min. / Max. working temperature -40 / +60 °C
**JHS-32**

**TYPE JHS-32**

- **Contact force** $F_c$ = 542 kN
- **Operating pressure** $p$ (max) = 160 bar
- **Piston area (per side)** = 339 cm²
- **Volume at 1 mm stroke (per side)** = 35.9 cm³
- **Temperature range** = -40 / +60 °C
- **Weight** = 198 kg
- **Pressure connection port** = G1/4
- **Drain connection port** = G1/4

**BRAKE PAD**
- **Pad area (each side)** = 285.1 cm²
- **Brake pad width** = 138 mm
- **Theor. friction coefficient** = 0.4 μ

**BRAKE DISC**
- **Brake disc ød₂** = min. 2000 mm
- **Disc thickness (standard)** = 40 mm

**BRAKING TORQUE**

Braking torque formula:

$$ F_a = p \times 3.395 $$

$$ F_a = F_c \times 2 \times \mu $$

$$ M_B = a \times F_a \times D_b / 2 $$

- **$F_a$** = Contact force [kN]
- **$p$** = Operating pressure [bar]
- **$F_c$** = Nominal braking force [kN]
- **$M_B$** = Braking torque [kNm]
- **$a$** = Number of calipers acting on the disc
- **$D_b$** = Brake disc diameter [m]

**OPTIONS**

- Complete piped supports for one more calipers
- Hydraulic power unit
- Brake disc
- Brake pad with different material
- Brake pad wear indicator