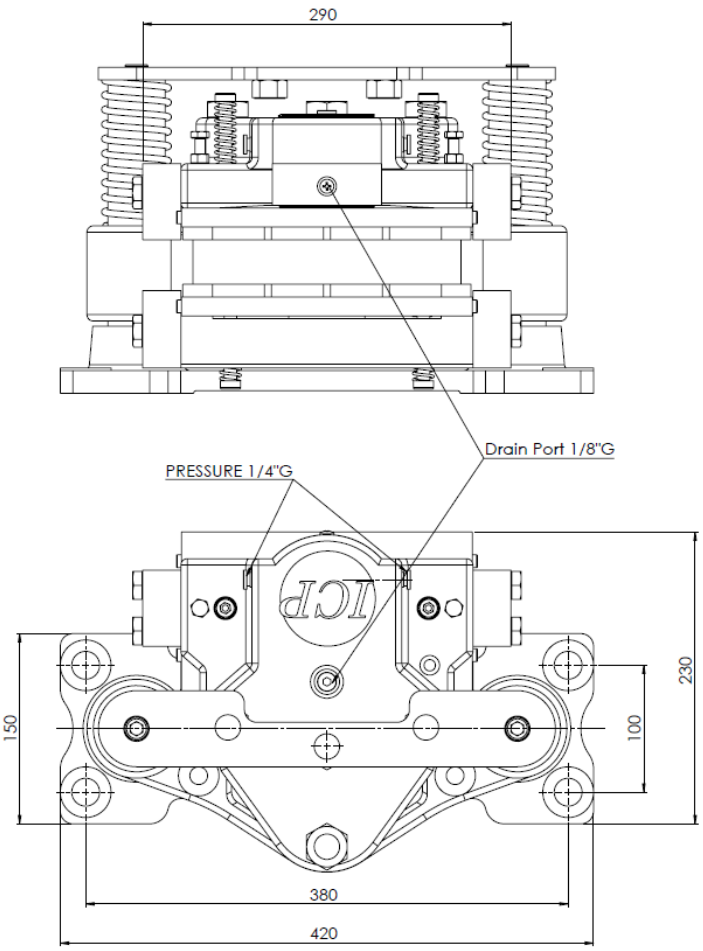
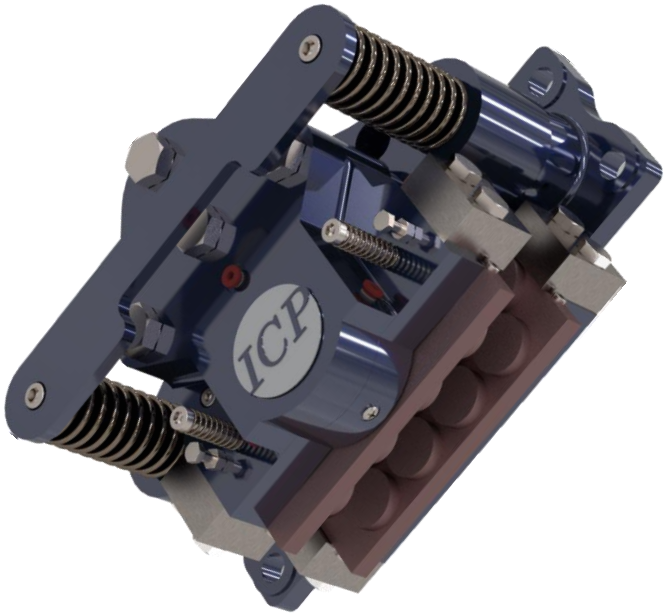
BRAKE TYPE HAB-1-75 FB

HYDRAULIC APPLIED BRAKE / RETRACTED SPRINGS / FLOATING CALIPER





Description

HAB-1-75 FB is a hydraulic applied brake with pad release springs suitable for dynamic or static applications.

HAB-1-75 FB is a compact design with single floating caliper. Useful for applications where space is limited. Can be installed in horizontal or vertical orientation.

Main features

- Hydraulic applied brake.
- Compact and robust design.
- Easy maintenance.
- Sinter metal linings for high speed/energy application.
- Lining air gap ensured by retracting springs.
- Detachable retainers allow easy lining replacement.
- Two pistons.
- Long service life.
- Protection C4-H, according ISO 12944-2
- Reactive humidity ≤ 70%
- Suitable for low temperature applications.

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BRAKE TYPE HAB-1-75 FB

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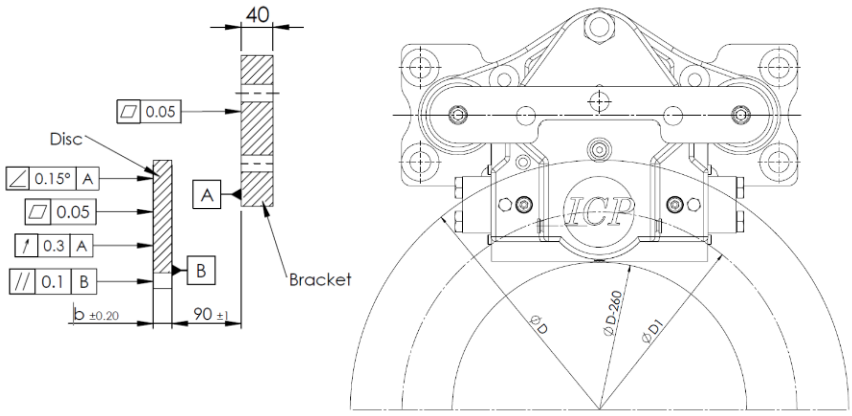
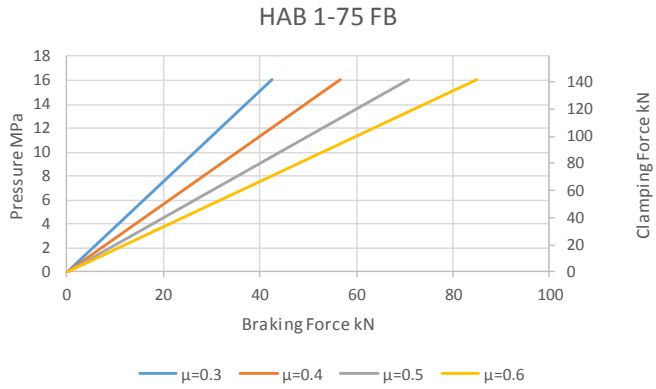
Max. braking force (N)	**44,180**
Operating pressure (Mpa or N/mm²)	**12.5**
Piston area (mm²)	**4418**
Pad area (mm²)	**19,974**
Max. wear of organic pad (mm)	**7**
Friction coefficient (μ)	**0.4**
Max. working pressure (Mpa or N/mm²)	**14**
Total piston area: each caliper half (mm²)	**4418**
Volume for each caliper at 1 mm stroke (mm³)	**4418**
Max. clamping force (N)	**110,450**
Brake disc thickness (mm)	**20 - 40**
Brake disc diameter (mm)	**>500**
Pressure connection/port	**1/4" G BSP**
Drain connection/port	**1/8" G BSP**
Floating range on guide pins	**±12 mm**
Operating temperature (°C)	**-25 to +75**

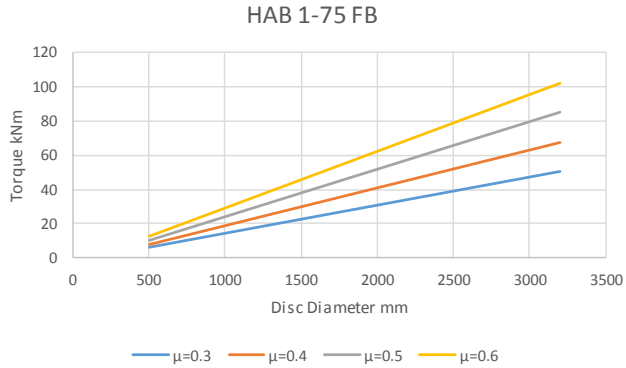
Assembly with the Rotor Brake:

$$Brake\ Torque = \mu \times Clamping\ Force \times R'(N * mm)$$

$$R' = Effective\ radius = R - d\ (mm)$$







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