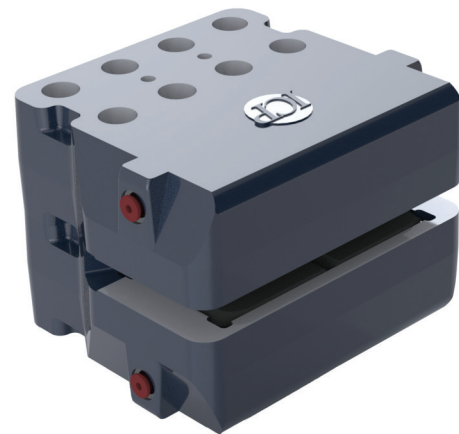
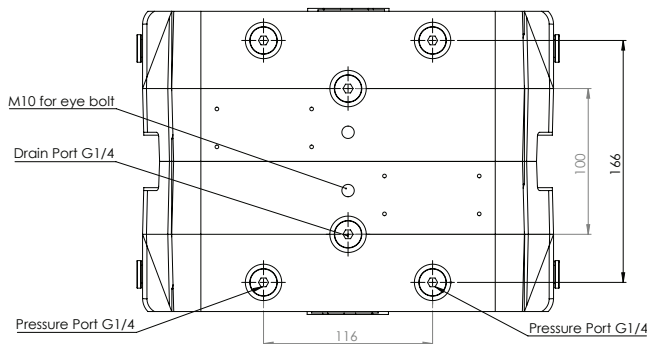
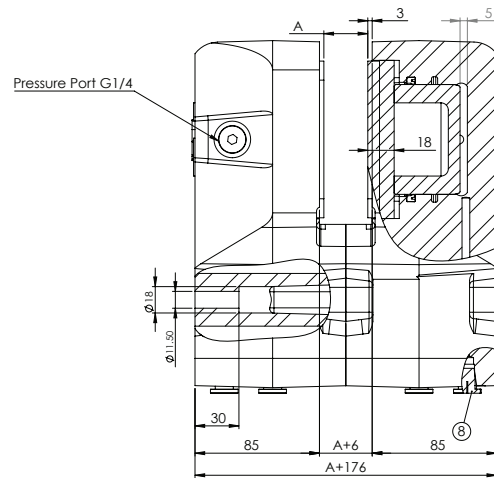
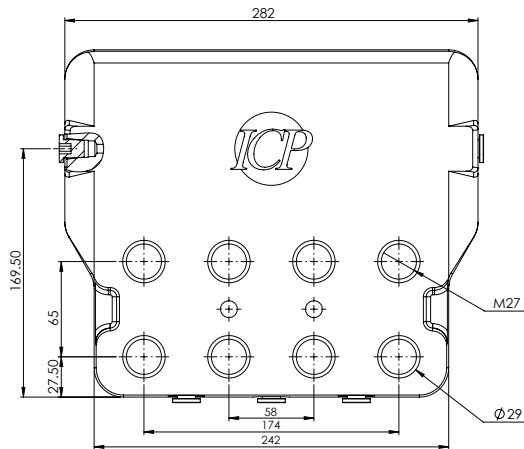




BRAKE TYPE HAB-4-75

HYDRAULIC APPLIED BRAKE



Description:

The HAB-4-75 is a hydraulic applied brake suitable for dynamic or static applications.

The HAB-4-75 is compact in design with two pistons in each opposed caliper. Can be installed in horizontal or vertical orientation.

Main features:

- Hydraulic applied brake.
- Compact and robust construction and design.
- Easy maintenance.
- Organic, asbestos free lining.
- Stainless steel piston.
- Long service life.
- Protection C4-H, according ISO 12944-2.
- Reactive humidity $\leq 70\%$.

Max. Braking Force (N)	113100
Operating pressure (Mpa or N/mm ²)	16
Piston Area (mm ²)	4418
Pad area (mm ²)	19589
Max. wear of pad (organic)(mm)	7
Friction coefficient (μ)	0.4
Max working pressure (Mpa or N/mm ²)	18
Total piston area(mm ²)	8835
Volume for each caliper at 1 mm stroke (mm ³)	17670
Max. Clamping Force (N)	20-50
Pressure connection/port	1/4" BSP
Drain connection/port	1/4" BSP
Recommended pipe size (mm)	10/8
Mounting Bolts	M24 and M27 Quality 10.9 and 12.9
Operating temperature (°C)	-30 to +60

Assembly with the Rotor Brake

$$\text{Brake Torque} = 2 \times \mu \times F \times R' \text{ (N * mm)}$$

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

