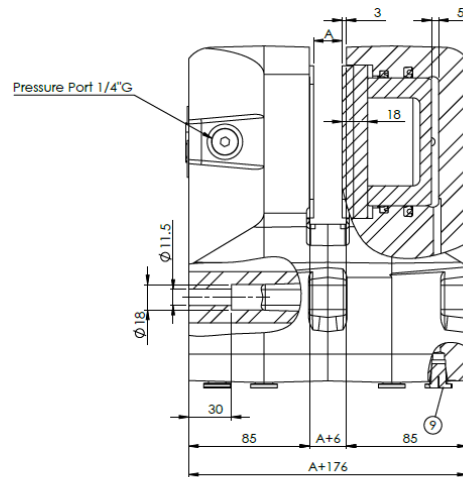
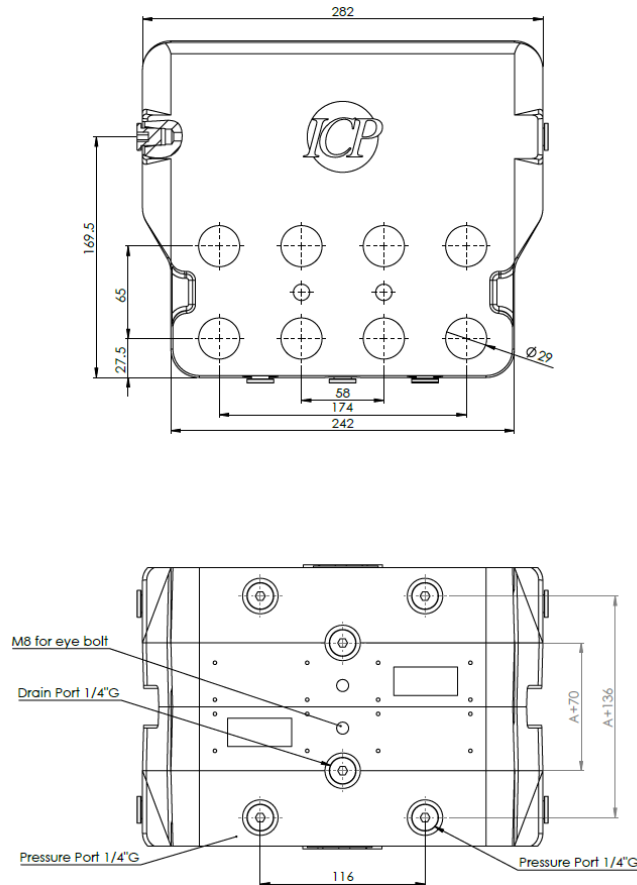


BRAKE TYPE HAB-4-90

HYDRAULIC APPLIED BRAKE



Description

HAB-4-90 is a hydraulic applied brake suitable for dynamic or static applications.

HAB-4-90 is a compact design with two pistons in each opposed caliper. Can be installed in horizontal or vertical orientation.

Main features

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

BRAKE TYPE HAB-4-90

HYDRAULIC APPLIED BRAKE

Max. braking force (N)	162,560
Operating pressure (Mpa or N/mm ²)	16
Piston area (mm ²)	6360
Pad area (mm ²)	19,589
Max. wear of pad (mm)	7
Friction coefficient (μ)	0.4
Max. working pressure (Mpa or N/mm ²)	18
Total piston area: each caliper half (mm ²)	12,700
Volume for each caliper at 1 mm stroke (mm ³)	25,400
Brake disc thickness (mm)	20 - 40
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:

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

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

