

Fact Sheet

Airflex® 200DPA Caliper Brakes

Safe, reliable solution for high torque, high energy braking applications



Committed to your **safety,**
and **convenience.**

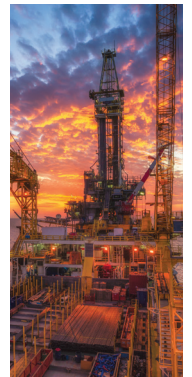
The Airflex® 200DPA is a symmetrical opposed piston caliper brake design that is well suited for high torque, high energy stopping applications. Engineered for hydraulic actuation, the Airflex® 200DPA is a robust design able to withstand the tough operating conditions associated with industrial applications.

Why the Airflex® 200DPA

- High quality
- High performance
- Low cost of ownership
- Low maintenance
- Long lining life

Features

- A large piston area and 2,000 psi operating pressure range provides for high applied force resulting in maximized torque availability
- Base or split mounting for flexibility and accommodation of different disc thicknesses or diameters to meet diverse customer requirements
- Guide pins transmit torque from friction shoes which prevents piston seal leakage that could result from misalignment between the friction shoe and disc
- Large friction area for long life and reduced maintenance due to friction material wear



Applications

- Top Drive brakes
- Conveyors
- Flywheel brakes
- Inertia brakes
- Parking brakes
- Rotary brakes
- Tension brakes
- Wind Turbine brakes

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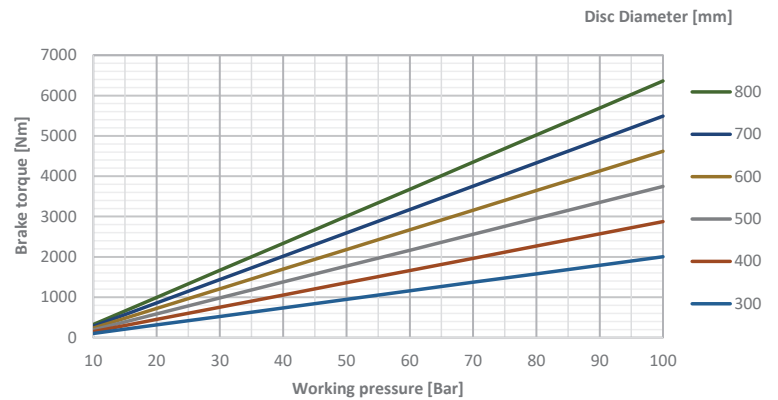
ENGINEERING
TOMORROW



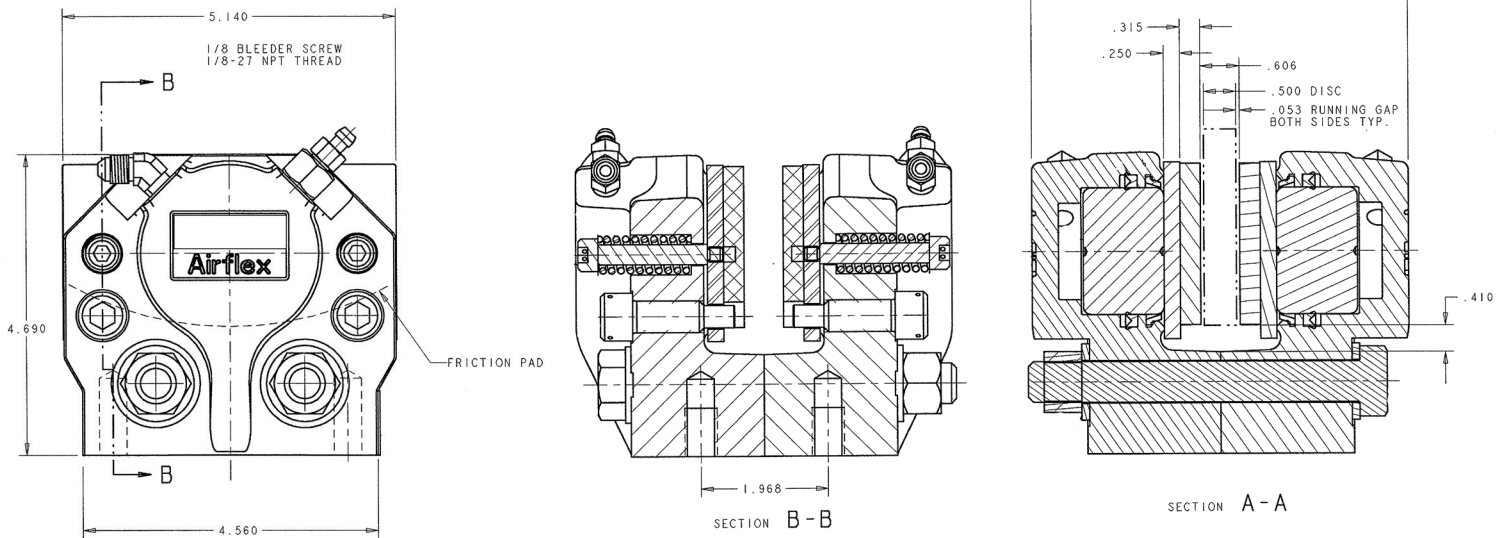
Specifications

Parameter	English Units	SI Units
Dynamic frictional Force Fr		
Standard linings @ 2000 psi	5700 lb	25354 N
Static Friction Force		
Standard linings @ 2000 psi	6300 lb	28023 N
Parasitic Loss Pp	35 psi	3 bar
Disc Constants		
Cd	7.73	196.3
Ct	2.76	70.1
Minimum Disc Diameter	12 in	305 mm
Friction Area	23.3 in ²	150 cm ²
Typical Disc Running Clearance per Side	.053 in	1.35 mm
Cylinder Volume - Engaged		
New lining and disc	.324 in ³	0.01 dm ³
Worn lining and disc	1.637 in ³	0.03 dm ³
Lining Thickness		
New	.315 in	8 mm
Worn	0.10 in	2.5 mm
Weight/Mass	23 lb	10 kg

Torques



Dimensions



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