

Eaton Coremo pneumatic brakes and accessories

Safe, reliable pneumatic braking solutions

EATON

Powering Business Worldwide



A blurred industrial factory floor with a car on an assembly line and tire racks in the foreground. The image is a long-exposure shot, creating a sense of motion and activity. The car is positioned on a conveyor belt, and the background shows the complex machinery and structure of the factory. The foreground features several orange metal racks filled with stacks of black tires and white plastic-wrapped components. The overall scene is brightly lit, with a mix of industrial colors like orange, grey, and blue.

Quality and safety in industrial brakes



Our services

Drawing on a long tradition in the manufacture of brakes and clutches, Eaton and Coremo Ocmea have partnered to become a global leader in safe, reliable solutions for industrial, marine, oil and gas, energy and entertainment sector applications. We offer a broad range of pneumatic caliper brakes, as well as services with a high degree of customization.

Design services

Our goal is to design and provide a braking solution suitable for your specific application, through a process characterized by continuous research and development, cost optimization, customization and FEM analysis.

Products

A wide range of brakes and accessories are available and verified by both internal and external quality tests. Our product range includes hydraulic brakes, pneumatic brakes, multi-discs brakes, water-cooled brakes, air-cooled brakes, customized brakes, clutches, hydraulic power units, discs, couplings and accessories.

Supply chain services

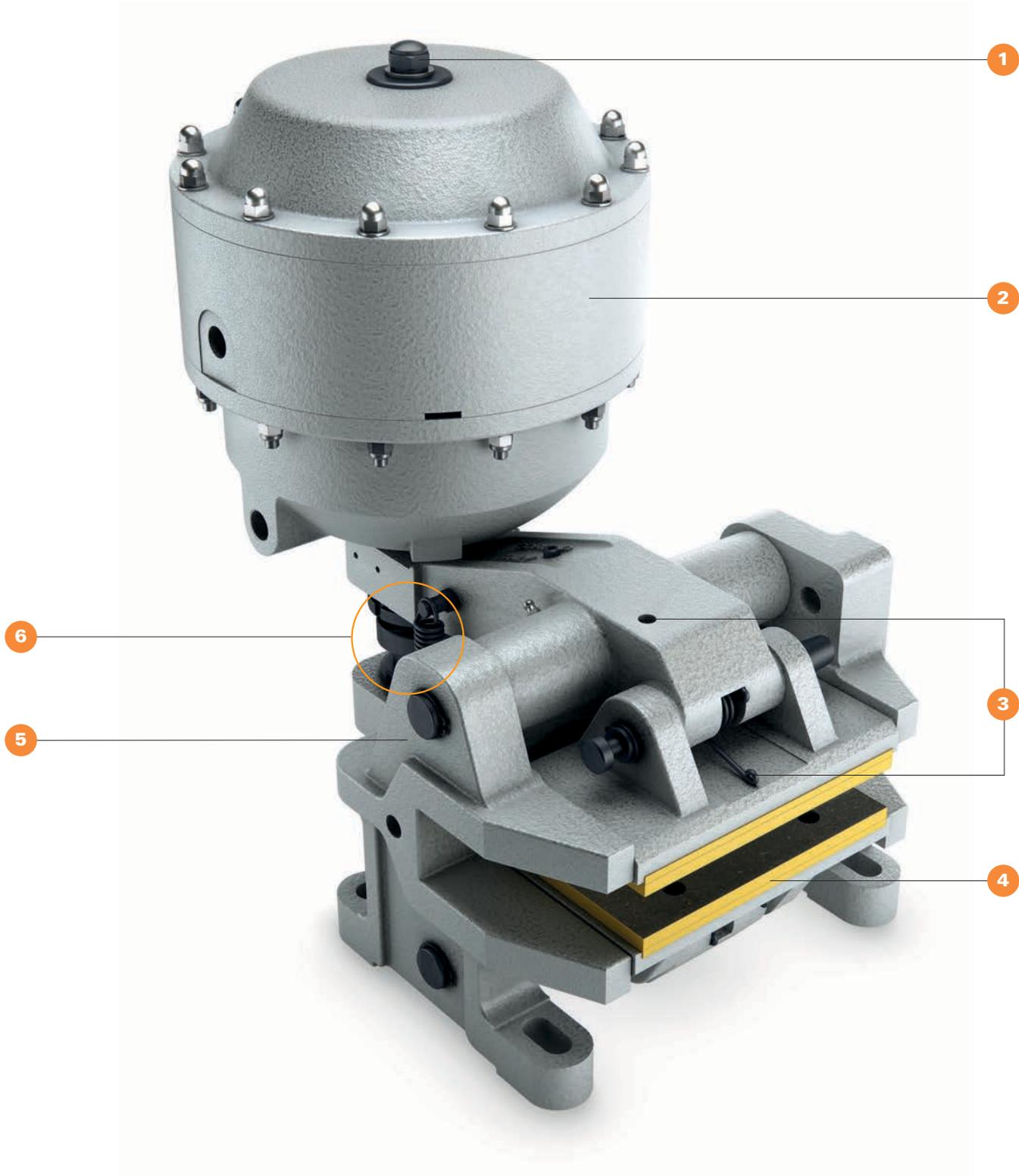
A large network of sales representatives, distributors and support staff allows us to meet our customers' needs and provide flexible service worldwide. We offer quick response time, stocked parts, short delivery terms and customized labeling.

After-sales support

Any post-sales help, questions or special needs are quickly and thoroughly addressed by our specialists. In addition to technical support, we offer dedicated training, spare parts availability and product reconditioning.

Pneumatic caliper brakes

A legacy of meticulous design, high-quality components and reliable production



1

Retaining screw/silencer

To guarantee safety during mounting operations. Serves as air silencer once the brake is mounted.

2

Thruster

Low-weight aluminum thruster.

INSIDE

Piston

Steel piston with hardened rod pusher.

Spring set

Modular spring set available to meet different clamping force requirements.

4

Friction lining

Selection of friction material to optimize the braking system performance.

5

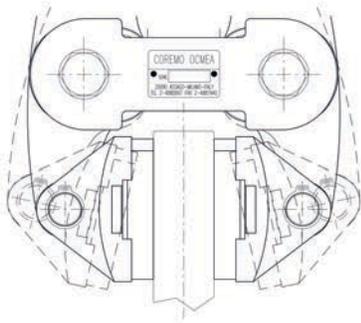
Body

Spheroidal cast iron body designed to increase the thruster force.

3

Pad self-alignment

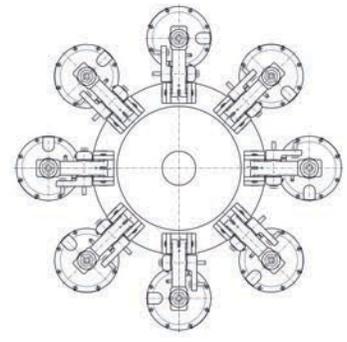
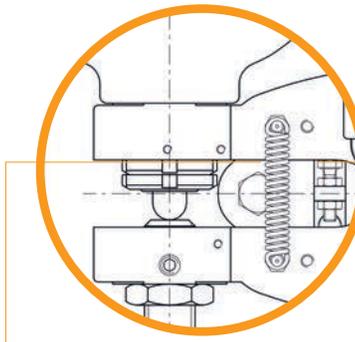
To get the perfect alignment between pads and disc surface.



6

Wear compensation system

To guarantee high performance and safety.



Return spring

To open the brake arms if braking is not required.

Inclined mounting kit

To mount the brake in any position.

Eaton Coremo pneumatic brakes

Air-applied pneumatic caliper brakes



Normally specified for stopping or tensioning applications. Forces vary depending on the pressure of the air supplied; the maximum operating pressure is 6 bar.

Braking force
0.6 kN to 37 kN

Spring-applied pneumatic caliper brakes



Normally specified for emergency or parking applications. The clamping force of each model is generated by helical springs that allow low reaction times. All brakes operate up to a maximum pressure of 6 bar.

Braking force
1 kN to 37.5 kN

Dual (combined air- and spring-applied)



Specified for applications that require both continuous and emergency braking. The advantage is that a single thruster can manage both, eliminating the need for two separate brakes.

Pneumatic brakes

Air-applied pneumatic caliper brakes



Spring-applied pneumatic caliper brakes



Dual



Our product offering covers a clamping force range that meets the conditions required by the various applications. The quality of the product and its long life cycle are ensured by meticulous selection of materials, fifty years' experience, painstaking design with the latest 2D/3D software, FEM modeling and laboratory tests.

Optional products & features

Flat discs



To be combined with the caliper brakes and improve their performance.

Couplings



For fast, safe and easy brake fitting on the machine.

On/off indicator



To indicate if the brake is open or closed.

Special paint & treatments



To meet specific environmental conditions or customer needs.

Double pads



To increase the heat dissipation through a larger friction surface.

Quick exhaust valve



To exhaust the air quickly; highly recommended for 3.5N/4N piston.

| | MPA | MPB | A | B | C | D | E EL | F | G GL | MPA-N | A-N | B-N | D-N | E-N EL-N | F-N | G-N GL-N |
|------------------------------|-----|-----|---|---|---|---|---------|---|---------|-------|-----|-----|-----|-------------|-----|-------------|
| Wear Compensation | - | - | ● | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Inclined Mounting Kit | ○ | - | ● | ○ | ● | ● | ● | ● | ● | ○ | ● | ○ | ● | ● | ● | ● |
| Pads Self-Alignment | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Wear Indicator | - | - | ○ | ○ | - | ○ | ○ | ○ | ○ | - | ○ | ○ | ○ | ○ | ○ | ○ |
| Double Pads | - | - | ○ | ○ | - | - | - | - | - | - | ○ | ○ | - | - | - | - |
| On-Off Indicator | - | - | ○ | ○ | - | ○ | ○ | ○ | ○ | - | ○ | ○ | ○ | ○ | ○ | ○ |
| Retaining Screw | - | - | - | - | - | - | - | - | - | - | ● | ● | ● | ● | ● | ● |

● Standard ○ Optional - Not Available

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