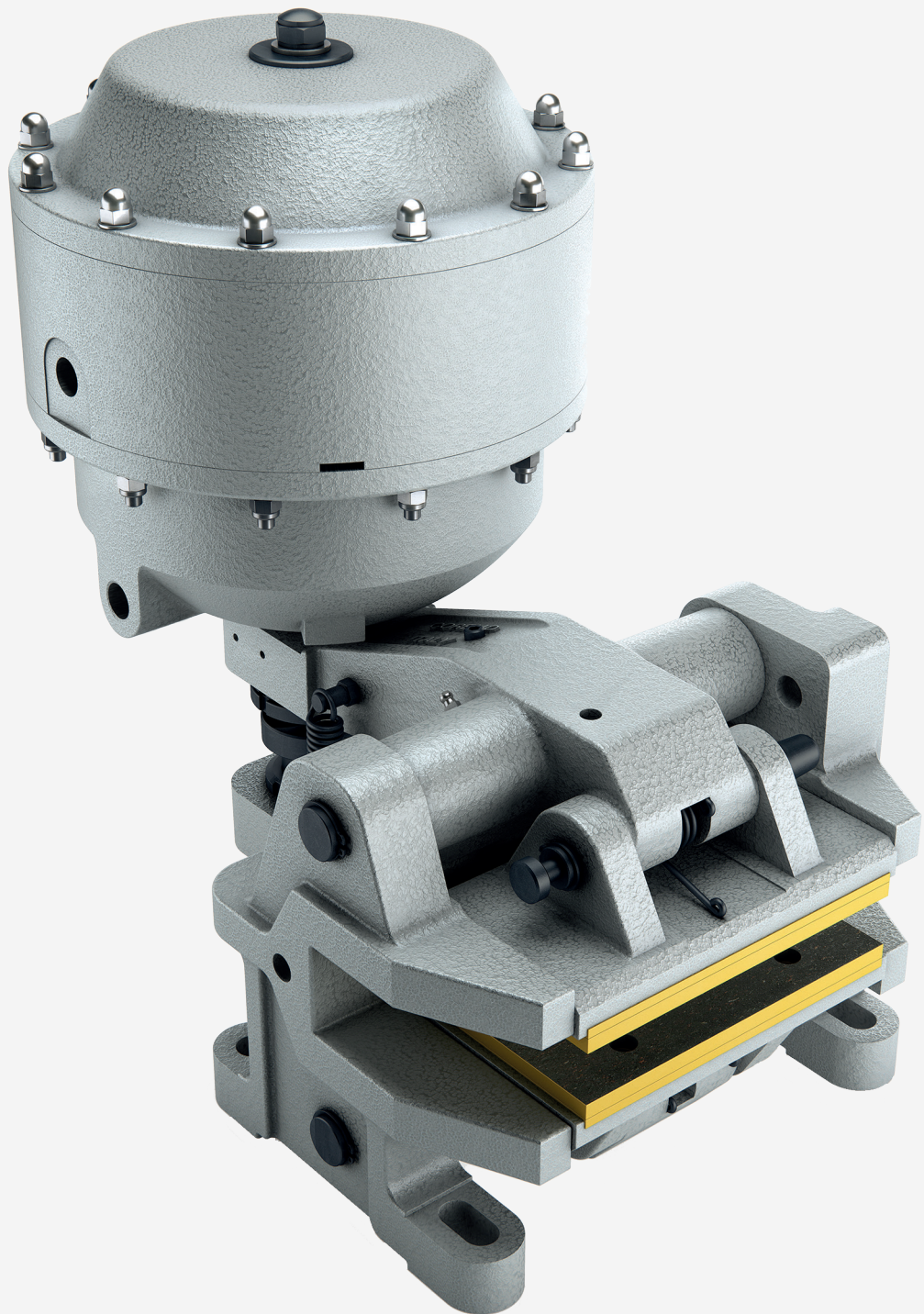


Pneumatic Caliper Brakes



Quality and Safety in Industrial Brakes

Coremo Ocmea draws on its long tradition in the manufacture of brakes and clutches for industrial applications, to look firmly to the future, to the realisation of services with a high degree of customisation: structured projects including products, technical support, maintenance and consulting.

Coremo's strong points have always lain in its precise, tailor-made design, constant product innovation and quality of components.



Our Product Range

- . **Pneumatic Caliper Brakes**
- . **Hydraulic Caliper & Direct Brakes**
- . **Manual Caliper Brakes**
- . **Small Pneumatic Brakes & Clutches**
- . **Double Ventilated Brakes**
- . **Fan Cooled Brakes**
- . **Water Cooled Brakes & Clutches**
- . **Air Tube Multidisc Brakes & Clutches**
- . **Optional Equipment:
Discs, Hydraulic Power Packs, etc.**

Coremo's products are designed to work with original Coremo replacement parts.

Support

Coremo's support is increasingly becoming a highly specialised integrated service, offering not only guidance on selection of the braking system but also consulting, maintenance, analysis and reporting. Coremo's aim is to deliver a complete service: starting from the information the customer provides to obtain a detailed picture of requirements, Coremo supplies the braking system best suited to individual needs.

Supply Chain Services

A large network of Agents and Distributors and an internal sales support allow us to reach the customer's needs. Coremo offers a flexible service worldwide, including quick reaction, safety stock, short delivery terms and customized labeling.

After Sales Support

Any help, question or special need after buying our products, are welcome and held in high consideration. Coremo provides technical support, dedicated training, spare parts availability and product reconditioning.

Design and Manufacturing

Coremo's strategy has always been based on the generation of customers loyalty, pursued through product reliability and rugged construction, ease of use and maintenance of brakes and clutches, not to mention durability, competitive pricing and prompt delivery.

Pneumatic Caliper Brakes

Air or Spring Applied Brakes

Braking Range

from 0.6kN to 37.5kN

**For Holding, Tensioning
and Emergency**

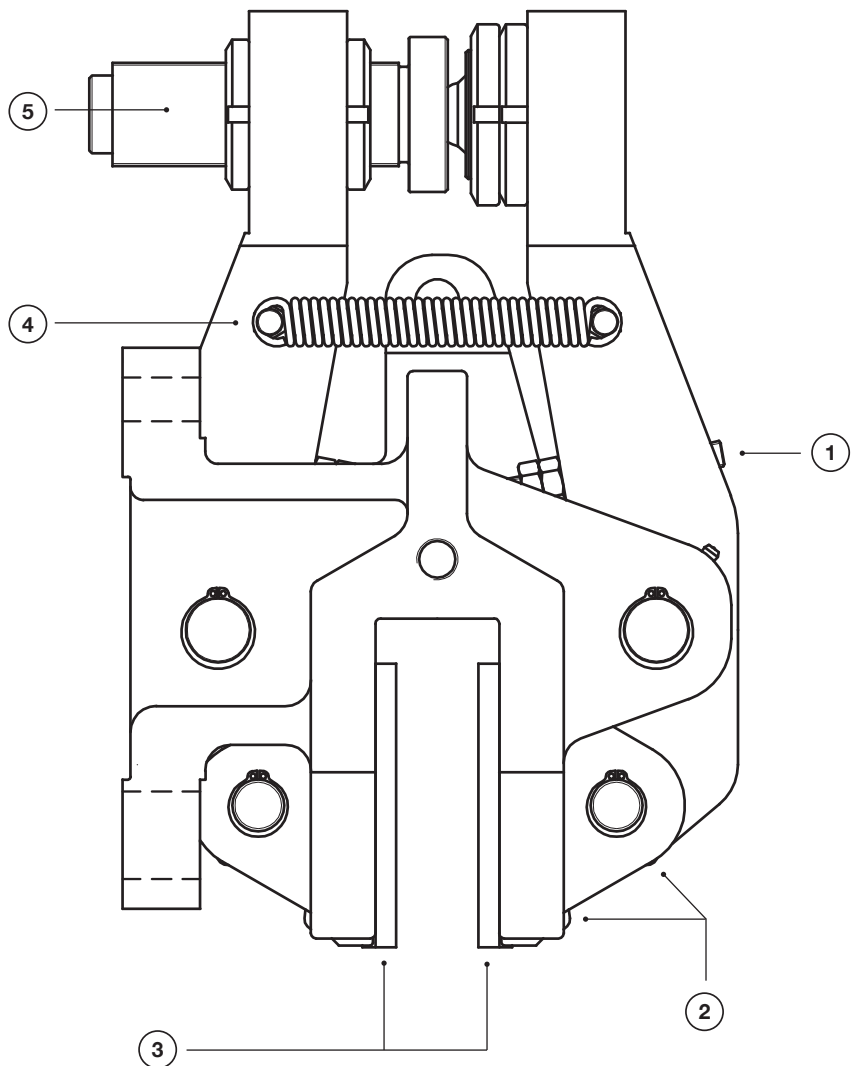


Features & Optional Products

- . Wear Compensation
- . Inclined Mounting Kit
- . Pads Self Alignment
- . Wear Indicator
- . Double Pads
- . On-Off Indicator
- . Safety Screw
- . Multi-Springs Powered Thruster
- . Wide Range of Friction Materials
- . Wide Range of Thrusters

- **Spheroidal cast iron body.**
Designed to increase the thruster force.

- ① **Inclined Mounting Kit.**
To mount the brake in any position.
- ② **Pads self-alignment**
To get the perfect alignment between pads and disc surface.
- ③ **Friction Lining**
Selection of friction material to optimize the braking system performance.
- ④ **Return Spring**
To open the brake arms when braking is not required.
- ⑤ **Wear Compensation System**
To guarantee high performance and safety conditions.



• Low weight aluminium thruster.

Positivi

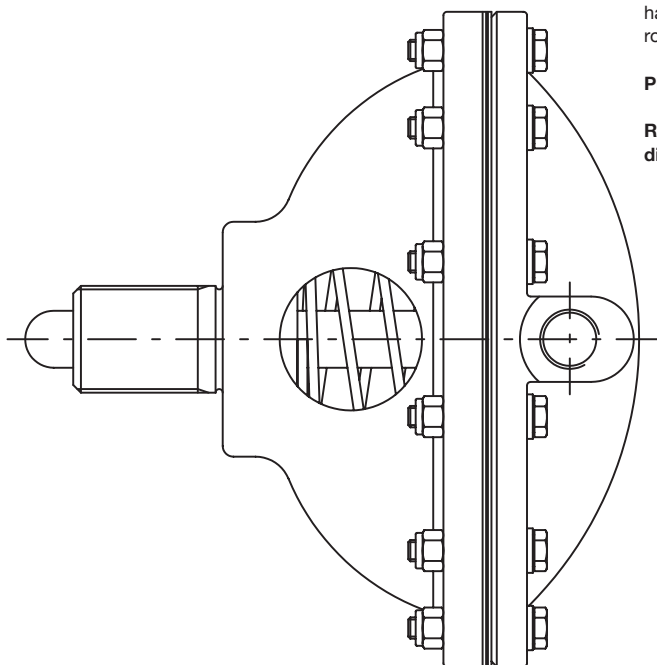
Air Applied

INSIDE Piston

Steel piston with hardened rod pusher.

Piston return spring

Reinforced rubber diaphragm



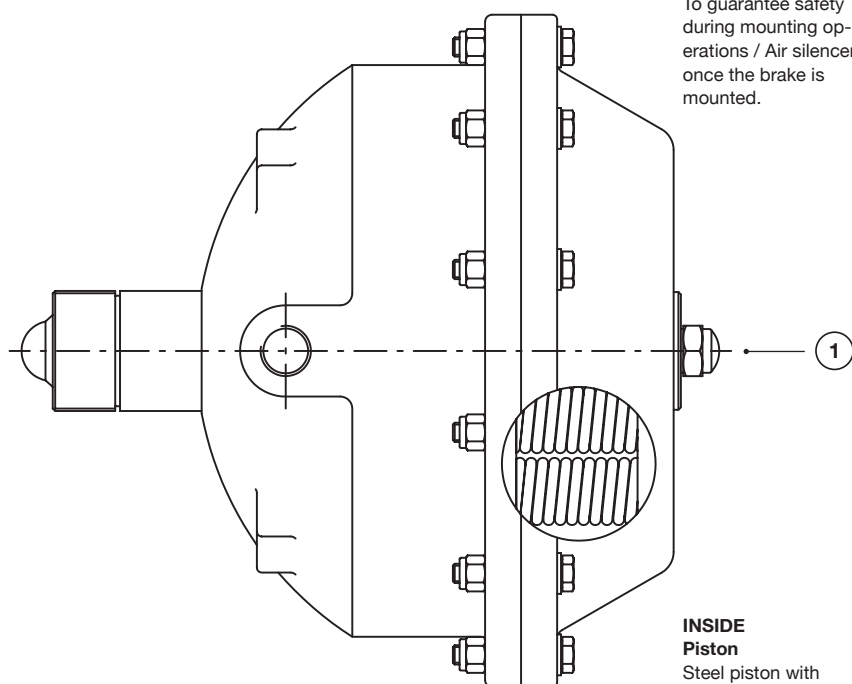
Negativi

Spring Applied

①

Retaining Screw / Silencer

To guarantee safety during mounting operations / Air silencer once the brake is mounted.



INSIDE

Piston
Steel piston with hardened rod pusher.

Spring Set

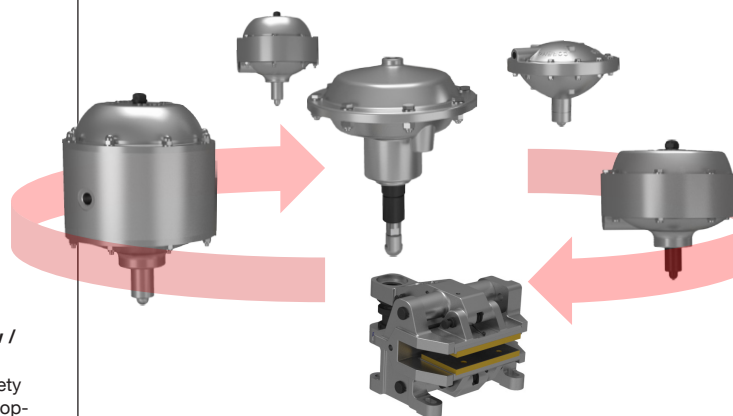
Modular spring set available to meet different clamping forces requirements.

Coremo Pneumatic caliper brakes are designed for those industrial applications which require air pressure to operate the braking system. The lever mechanism principle ensures simple but very effective operation. This family includes both air-actuated and failsafe brakes.

Design is particularly meticulous, while the reliability of the production process is equally impressive. Quality controls ensure a reliable, safe product and trouble-free caliper operation.

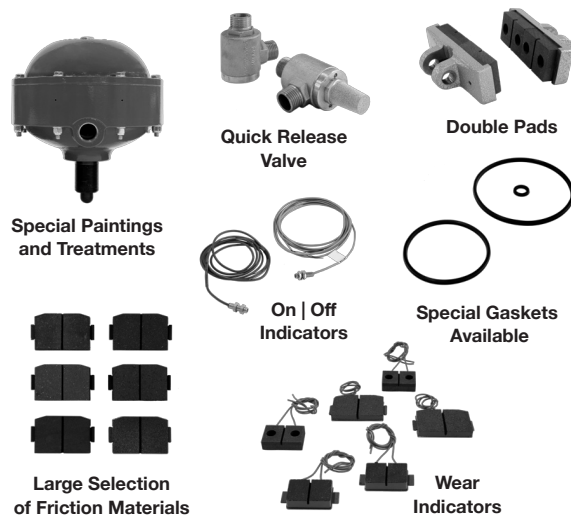
Same caliper body, different thruster types

The vast range of Coremo brakes, which includes pneumatic and hydraulic brakes, clutches and radial units, is suitable for a variety of industrial applications, from the marine and shipping sector to mining, through to renewable energy, the entertainment industry and textiles.



Customization

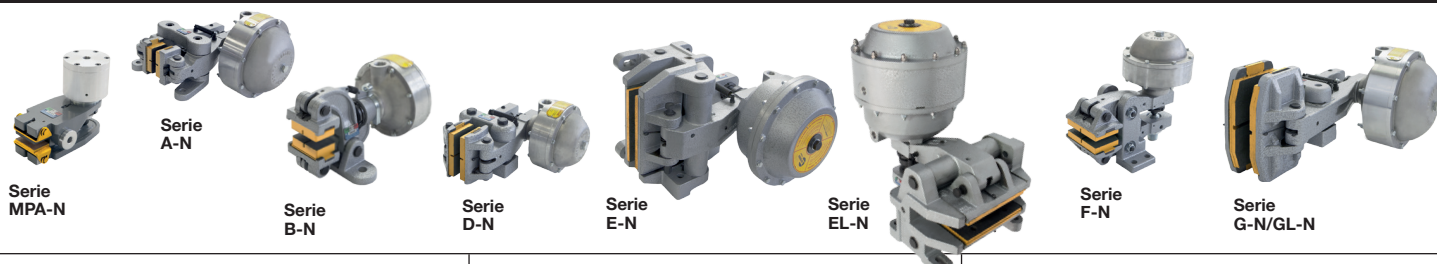
Coremo's brakes can be customized, upon request, with optionals such as: special paintings, different friction materials, wear indicators, double pads and other features, in order to make the product suitable for any particular application.



Pneumatic Caliper Brakes

NEGATIVE
Spring applied / Air released

THRUSTER N,1N,2N,3N,3.5N,4N



Release pressure: **6 bar**
Minimum braking force: **0.97kN (MPA-N)**
Maximum braking force: **32kN (E4N)**

Clamping force proportional to the number of springs.
Spheroidal graphite cast iron body.

POSITIVE
Air applied / Spring released

THRUSTER 05,1,2,3,3.5,4,300,600,1200



Maximum pressure: **6 bar**
Minimum braking force: **0.148kN (Micro at 6 bar)**
Maximum braking force: **36kN (E4N at 6 bar)**

Spheroidal graphite cast iron body.

DUAL

THRUSTER 3-3N,1-2N



Maximum pressure: **6 bar**

Double effect thruster.
Spheroidal graphite cast iron body.

	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	-	-	○	○	-	○	○	○	○	-	○	○	○	○	○	○
Safety Screw	-	-	-	-	-	-	-	-	-	○	●	●	●	●	●	●

● **Già incluso** ○ **Disponibile** - **Non disponibile**
Already Included Feasible Not Feasible

Coremo Ocmea SpA Freni e Frizioni Industriali Industrial Brakes & Clutches



Coremo Ocmea produce freni e frizioni ad azionamento meccanico, pneumatico ed idraulico per i settori del filo & cavo, lamiera, siderurgico, tessile, carta, converting, packaging ed in generale per tutte le applicazioni industriali.

Coremo Ocmea, fondata nel 1960, ha sede in Assago (MI), in uno stabilimento di 5.500 m².

Coremo Ocmea manufactures mechanical, pneumatic and hydraulic brakes and clutches for the industries of wire & cable, metalforming, steel, textile, paper, converting, packaging and for all other industrial applications.

Coremo Ocmea, established in 1960, is based in Assago - Milan (Italy) with a 5.500 m² plant.

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