



MECCANICA 42

CBA – Corner Brake Actuator

Brochure

AGENDA



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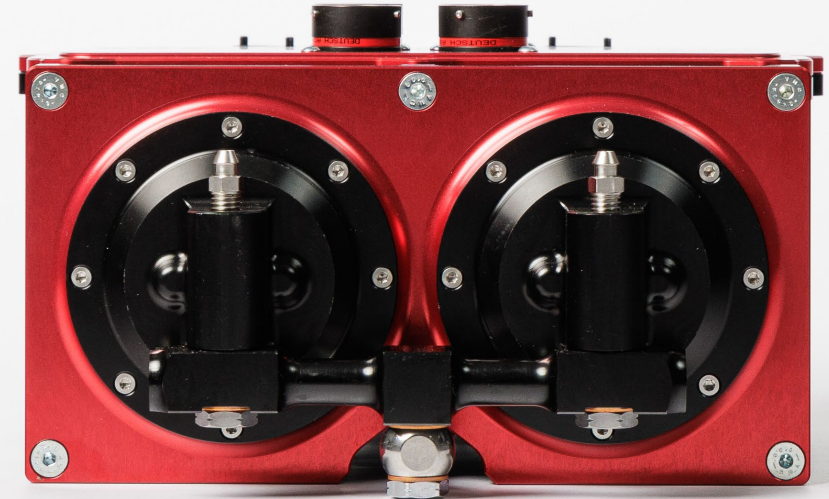
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Introducing CBA: your high-performing on board device.

CBA is a high-performing on board device, that opens the access to any brake-based function and calibration.

CBA ensures a precise and independent management of the four brake lines pressure and is able to accurately and rapidly obtain any pressure requested by users.

With a focus on safety, the implementation of a fall-back strategy allows to confidently face emergency situations.



What can you do with CBA?

The CBA system allows you to obtain precise control over the braking action in every curve, providing access to advanced functions.



 Vehicle controls development
AEB, ABS, ESP

 Driverless vehicle development
**Autonomous brake system
management**

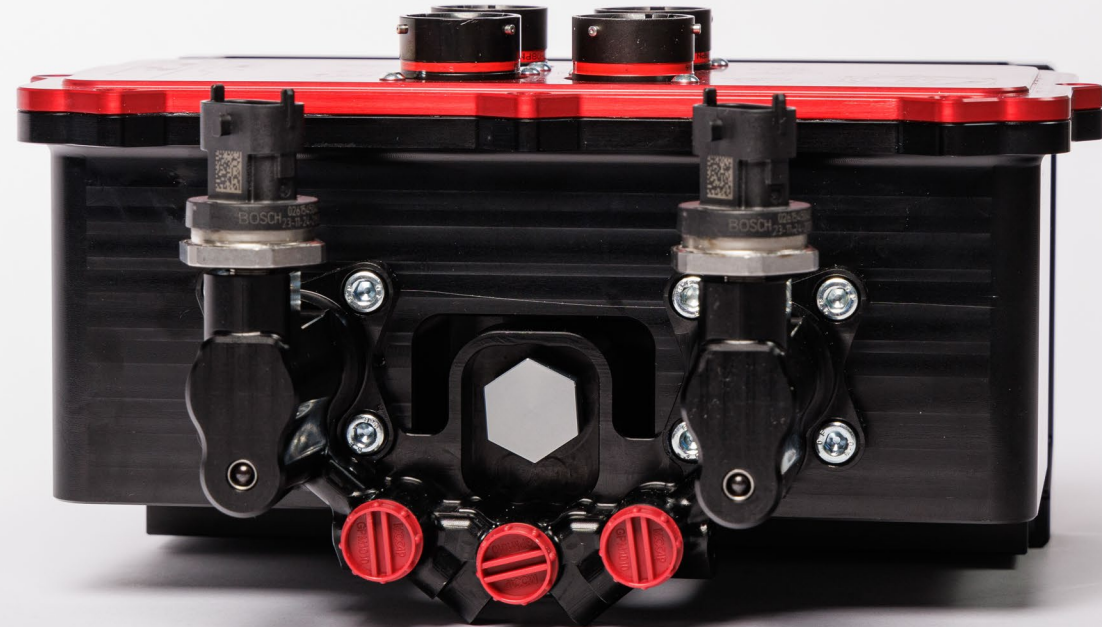
 Torque vectoring
**Independent management of
each corner**

Key performances of CBA

Thanks to its high performances, CBA keeps excellent standards, which makes it suitable for different contexts, from vehicles at the development stage to Motorsport applications.

Its versatility and reliability make it an ideal choice for improving the braking performances of your vehicle.

The CBA installation is extremely simple.



Minimum time to lock
75 ms (@80 bar)



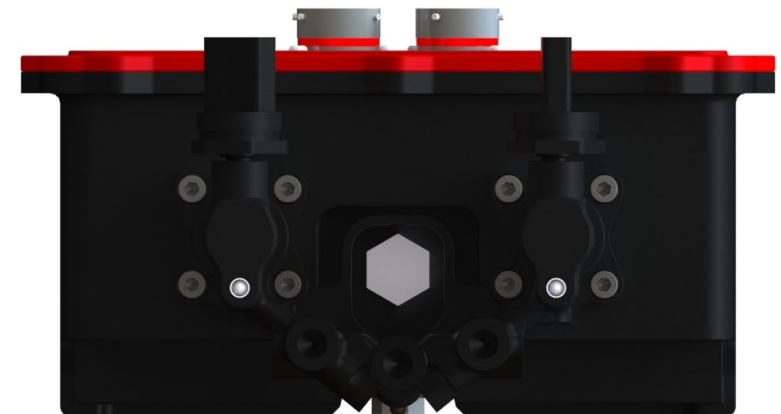
Max working pressure
150 bar

CBA's versions - Direct flow

The CBA system with the Direct Flow technology acts directly on the brake calipers without the use of an intermediate circuit.

This is a pure by-wire architecture.

Perfect for fully autonomous systems.

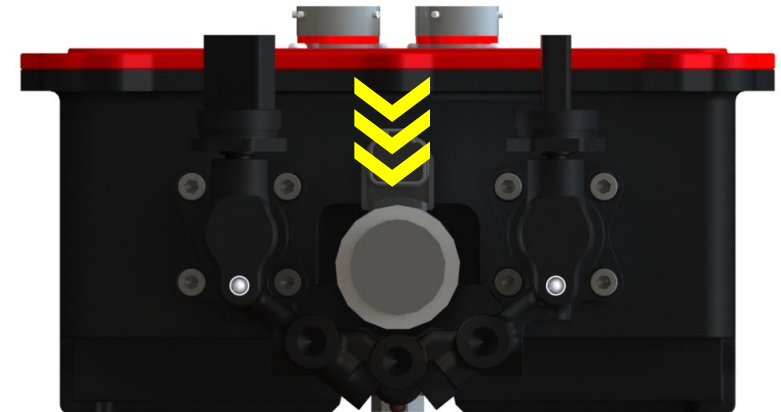


CBA's versions - Selective flow

With the Selective Flow technology, the CBA system acts on the brake calipers through a hydraulic circuit which, in certain situations, directly connects the brake pedal to the calipers through the activation of specific valves.

This configuration provides a flexible and adjustable control for the vehicle needs.

Perfect for by-wire systems.





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