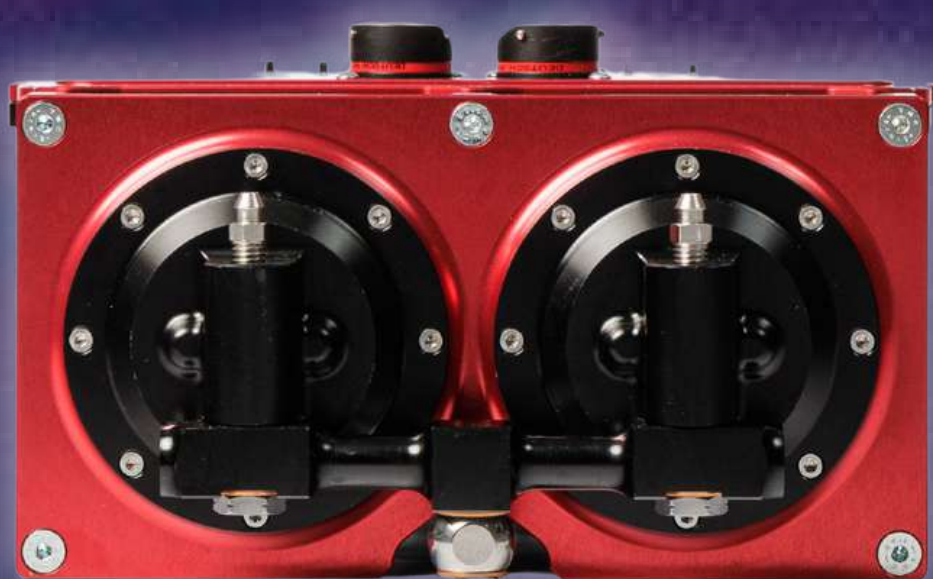




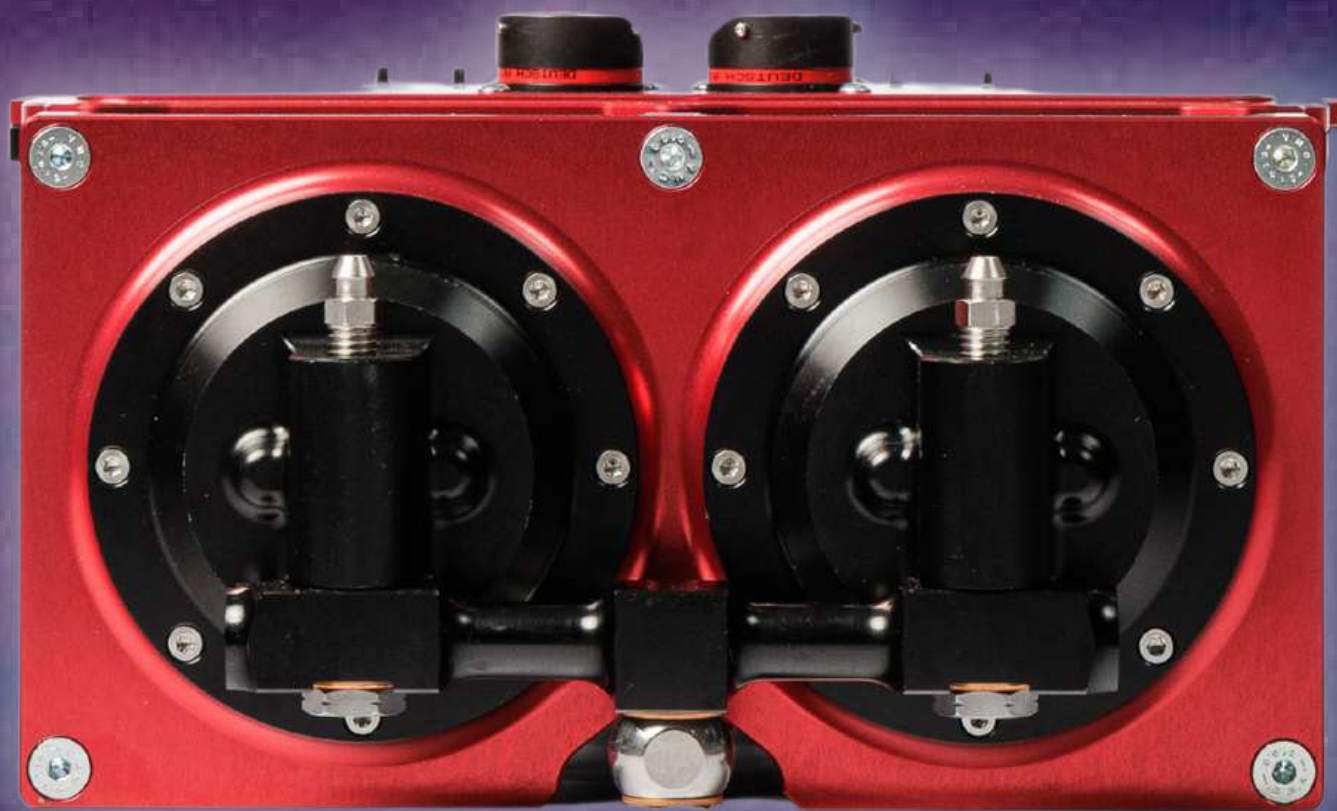
**Learn more about Meccanica42's
products supplied for the A2RL's
Racecar.**




SWIPE UP

CBA

Corner Brake Actuator



Introducing CBA: your brake actuator for unlocking autonomous driving potential that unleash the full potential of autonomous brake functions.

Prioritizing safety, CBA integrates effective fall-back strategies to handle emergency situations with assurance.


SWIPE UP

What can you do with CBA?



Vehicle controls
development
AEB, ABS, ESP



Driverless vehicle
development
**Autonomous brake
system
management**



Torque vectoring
**Indipendent
management of
each corner**



SWIPE UP

Key performances of CBA



Max pressure gradient
1600 bar/s

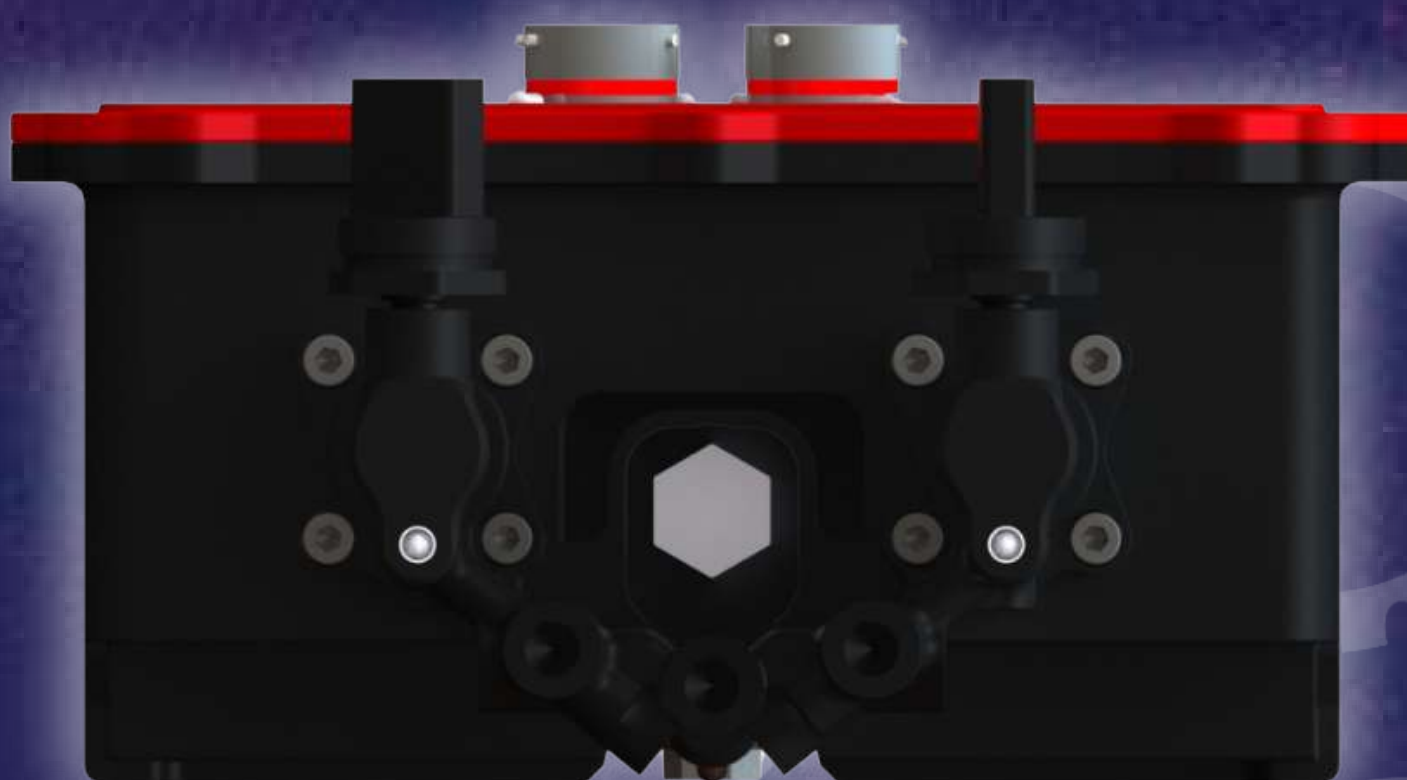
Minimum time to lock
75 ms (@80 bar)

Max working pressure
150 bar


SWIPE UP

CBA's versions

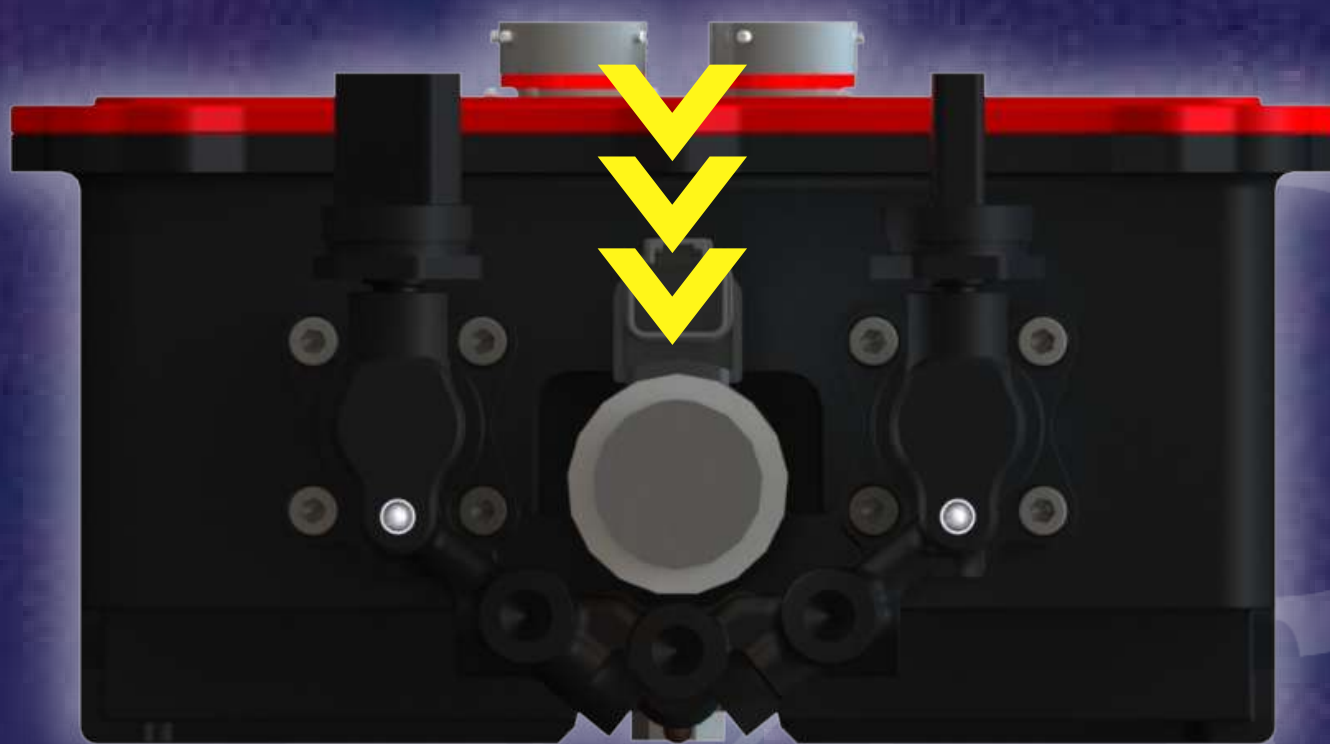
Direct Flow




SWIPE UP

CBA's versions

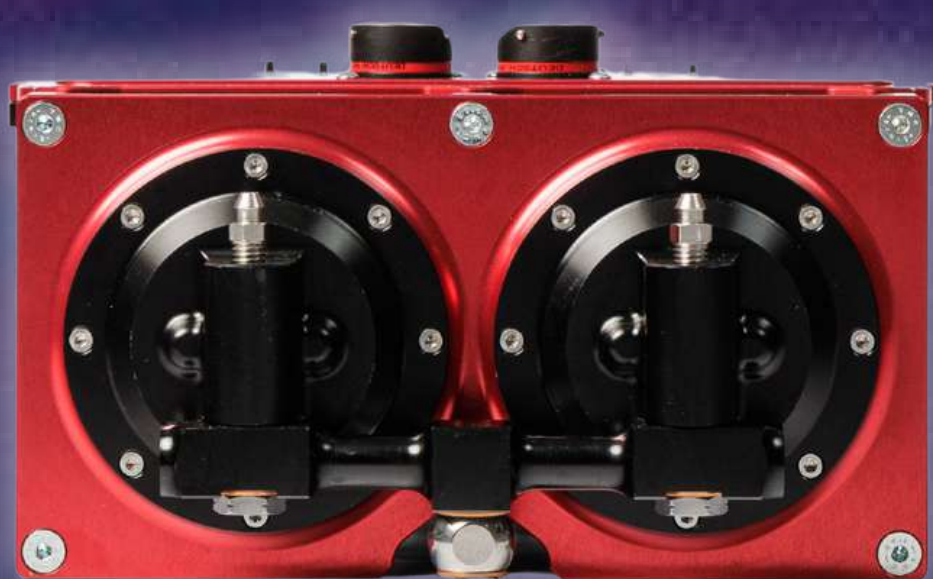
Select Flow




SWIPE UP



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products supplied for the A2RL's
Racecar.**




SWIPE UP

PSA

Pinion-type Steering Actuator



Introducing PSA: your key to precision steering in autonomous systems.

PSA ensures accurate steering management featuring precise control options with position, torque, or speed targets.

With safety in mind, PSA features a robust fall-back strategies for handling emergency situations with confidence.


SWIPE UP

What can you do with PSA?



Vehicle controls
development
EPS



Driverless vehicle
development
**Autonomous
steering system
management**



Automatizing track
tests
**In-vehicle steering
robot**



SWIPE UP

Key performances of PSA



Max speed
160 rpm



Monitoring
Internal diagnostic
system



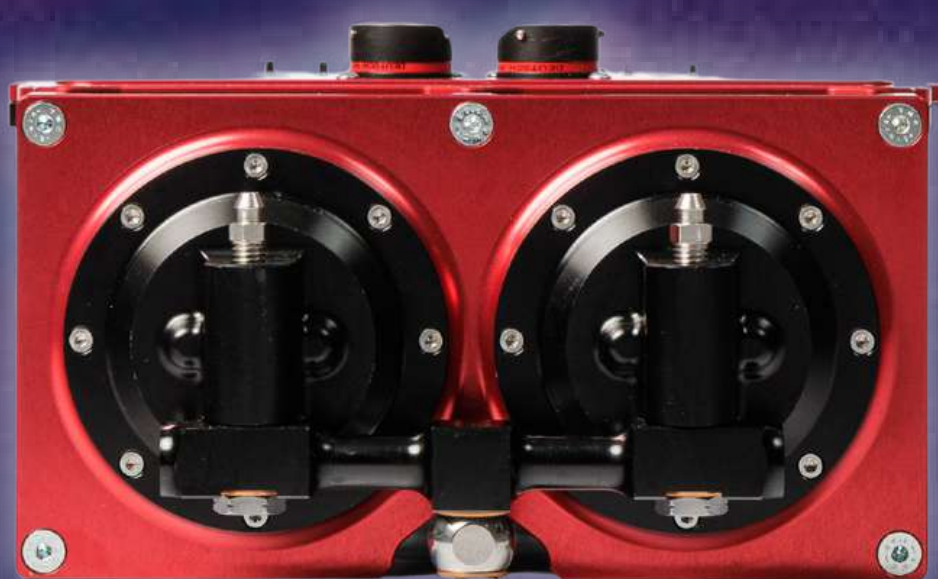
Peak torque
90 Nm



SWIPE UP



**Learn more about Meccanica42's
products supplied for the A2RL's
Racecar.**




SWIPE UP

BSU

Body System Unit



BSU is an open control unit used to easily manage electronic-controlled system.

The user can freely develop its own logic within and integrate it inside the ECU.


SWIPE UP

What can you do with BSU?



**Vehicle controls
development**

**Body domain system
management**



Easy coding

**Programming
with Simulink**



SWIPE UP

Key features of BSU



Waterproof
IP 67



Connectivity
4 x CAN



Cycle time
1 ms



SWIPE UP



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