

RACINGBROS

Art of Suspension





BISHOP43

for Harley-Davidson Low Rider S / ST

42CrMo4

SUPERFINISH SURFACE TREATMENT

43 mm hard-chromed steel stanchions crafted from heat-treated 42CrMo4.

COMPRESSION	REBOUND	PRELOAD	TOTAL LENGTH
12	14	15	805
CLICKS	CLICKS	mm	mm



PRESSURE RELEASE VALVE

External air pressure release valve system on both legs for normalizing pressure with the ambient environment.

JIS CR-SI STEEL SPRING

Super High-Strength JIS G3560 Cr-Si steel spring with a preload adjuster. Preload adjustable range: 15mm.

EKONOL[®]

DOUBLE BUSHING SYSTEM

- Improve smoothness
- Ensure bearing concentricity
- Minimize clearance
- Extend lifespan
- Enhance rigidity

OPTIMIZED DAMPING SYSTEM

Large piston design for optimal damping control and a separate IFP/coil-energized compression valve for superior performance.

2-WAY ADJUSTABLE CARTRIDGE

With independent low-speed compression and rebound adjustments:
Compression: 12 clicks.
Rebound: 14 clicks.

UNMATCHED INNOVATION

The RacingBros AIR-STRIKE series represents the industry's pioneering air spring inverted front fork product, exclusively designed for HONDA minibikes like the Grom, Monkey, and Dax.

AIR-STRIKE

for Honda Grom / Monkey / Dax

NITROGEN CHAMBER

RacingBros' oil/gas separation system, filled with pressurized nitrogen, guarantees consistent damping for the utmost reliability in your riding experience.

AEROSPACE-GRADE CNC MOUNTS

The CNC-machined fork caliper mount, constructed from aerospace-grade forged aluminum, offers unparalleled durability.

AIR SPRING DESIGN

RacingBros' adjustable air spring reduces weight by 18% compared to traditional coil spring products. This lower unsprung mass configuration enhances the riding experience significantly.



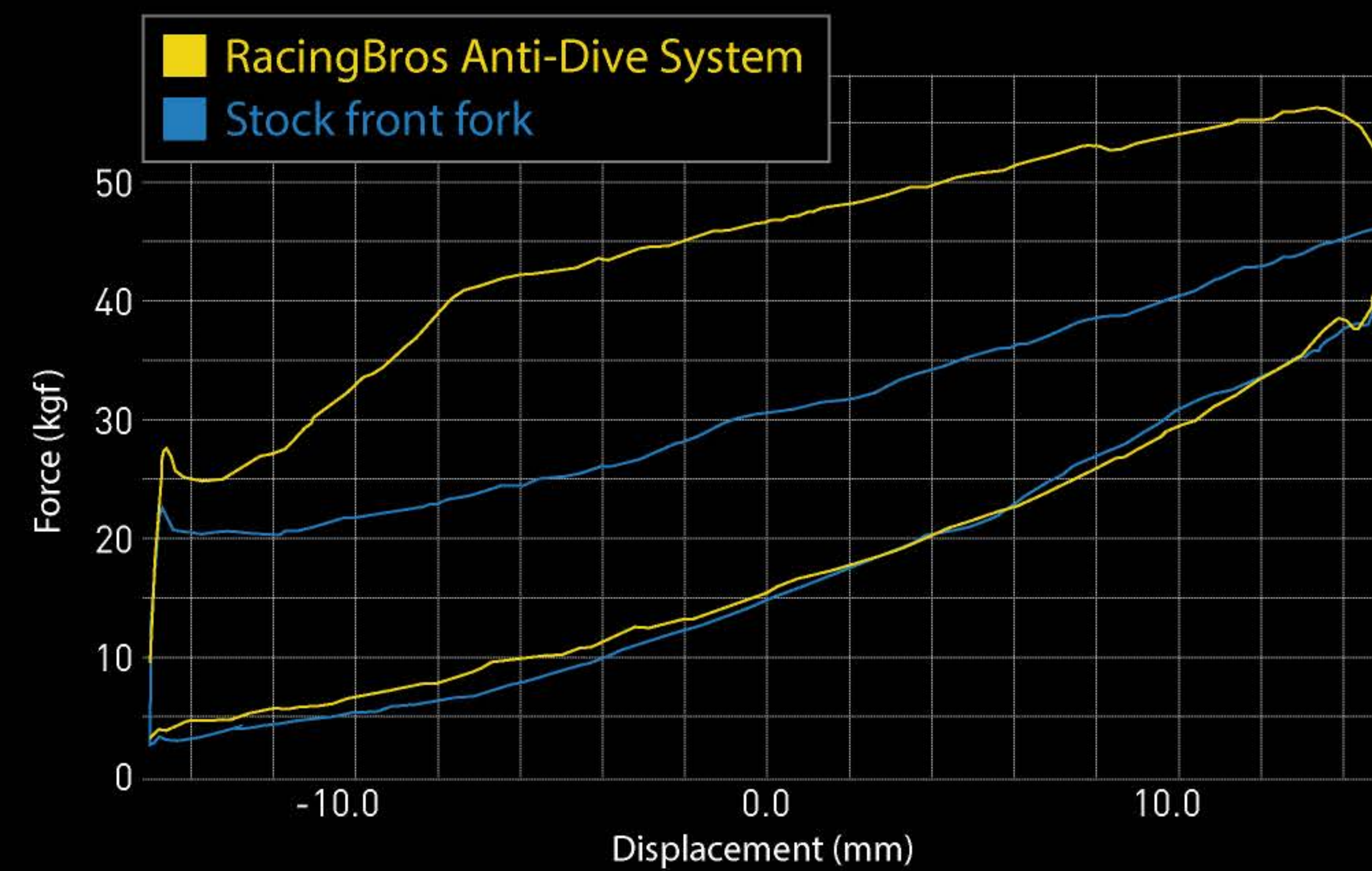
REVOLUTIONARY ENGINEERING

Thanks to the unique nature of the air spring structure, riders can effortlessly adjust the pressure for improved responsiveness, without being constrained by the spring rate as traditional coil spring products do.

ANTI-DIVE SYSTEM

for Honda CRF 110

- Increased support when cornering and landing.
- Enhanced compression damping force and heightened sensitivity to rebound force.
- Complete the installation without removing the damping tube or changing the oil.
- Prevention of bottoming out.



COLD FORGED CNC EYELET

Unmatched robustness and reliability with cold-forged CNC machined eyelets for exceptional durability.

BRAND NEW DAMPING SYSTEM

RacingBros' optimized damping strokes ensure a smooth and stable riding experience even in extreme conditions.

AIR SPRING DESIGN

RacingBros' adjustable air spring delivers a 35% weight reduction.

OHC ADJUSTABLE REBOUND

Simplify the pursuit of the perfect ride with RacingBros' 18-click OHC (Over Head Cam) rebound adjustment system. Easily fine-tune the knob to personalize your ride.

AEROSPACE-GRADE MATERIAL

RacingBros offers off-road bikers an amazing riding experience by utilizing aerospace-grade materials and a military-grade surface coating.

BAZOOKA^{1.0}

for **Honda CRF 110**



AIR SPRING DESIGN

35 PERCENT WEIGHT REDUCTION

ADJUSTABLE REBOUND

Customize your ride with 24-click rebound adjustments for the perfect setup.

ALUMINUM ALLOY PISTONS

Precisely CNC-machined pistons from high-quality 7-series aluminum ensure consistent damping.

ADVANCED LIGHTWEIGHT DESIGN

Utilizing aerospace-grade aluminum forging construction and a military-grade surface coating, RacingBros achieve weight savings of up to 30% compared to conventional competitors.

BAZOOKA^{HD}

for Harley-Davidson

H/L SPEED
COMPRESSION
24
CLICKS

REBOUND
24
CLICKS

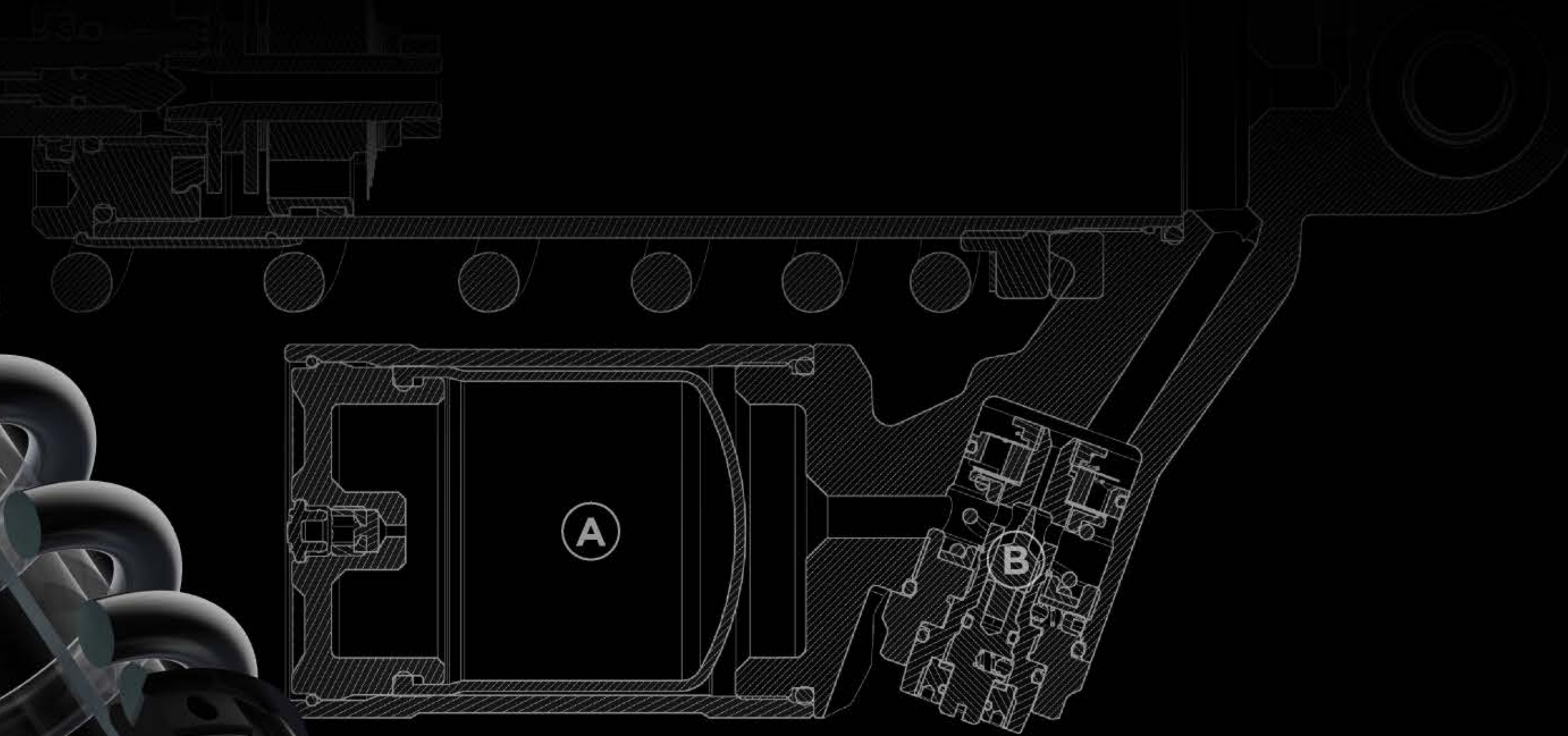


A BLADDER TECH

Bladder gas tech boosts shock sensitivity for stable, comfortable rides.

B CO-AXIAL SYSTEM

High-Speed Compression: 24 clicks.
Low-Speed Compression: 24 clicks.



MOTO SHICANE ^{EDGE}

for Honda Grom

ADVANCED LIGHTWEIGHT DESIGN

Utilizing aerospace-grade aluminum forging construction and a military-grade surface coating, RacingBros achieve weight savings of up to 30% compared to conventional competitors.

ALUMINUM ALLOY PISTONS

Precisely CNC-machined pistons from high-quality 7-series aluminum ensure consistent damping.

ADJUSTABLE REBOUND

Customize your ride with 24-click rebound adjustments for the perfect setup.

H/L SPEED
COMPRESSION
24
CLICKS

REBOUND
24
CLICKS



A CO-AXIAL SYSTEM
High-Speed Compression: 24 clicks.
Low-Speed Compression: 24 clicks.

B BLADDER TECH
Bladder gas tech boosts shock sensitivity
for stable, comfortable rides.

MOTO SHICANE^{HLR}

for Sur-Ron Ultra Bee

HEAVY-DUTY SPHERICAL BEARING

Unmatched endurance and top off-road performance on rough terrains.

ULTRA-STRONG FOAM-FILLED BUMPER

Prevents bottoming out, offers extra support for off-road thrills.

ADVANCED LIGHTWEIGHT DESIGN

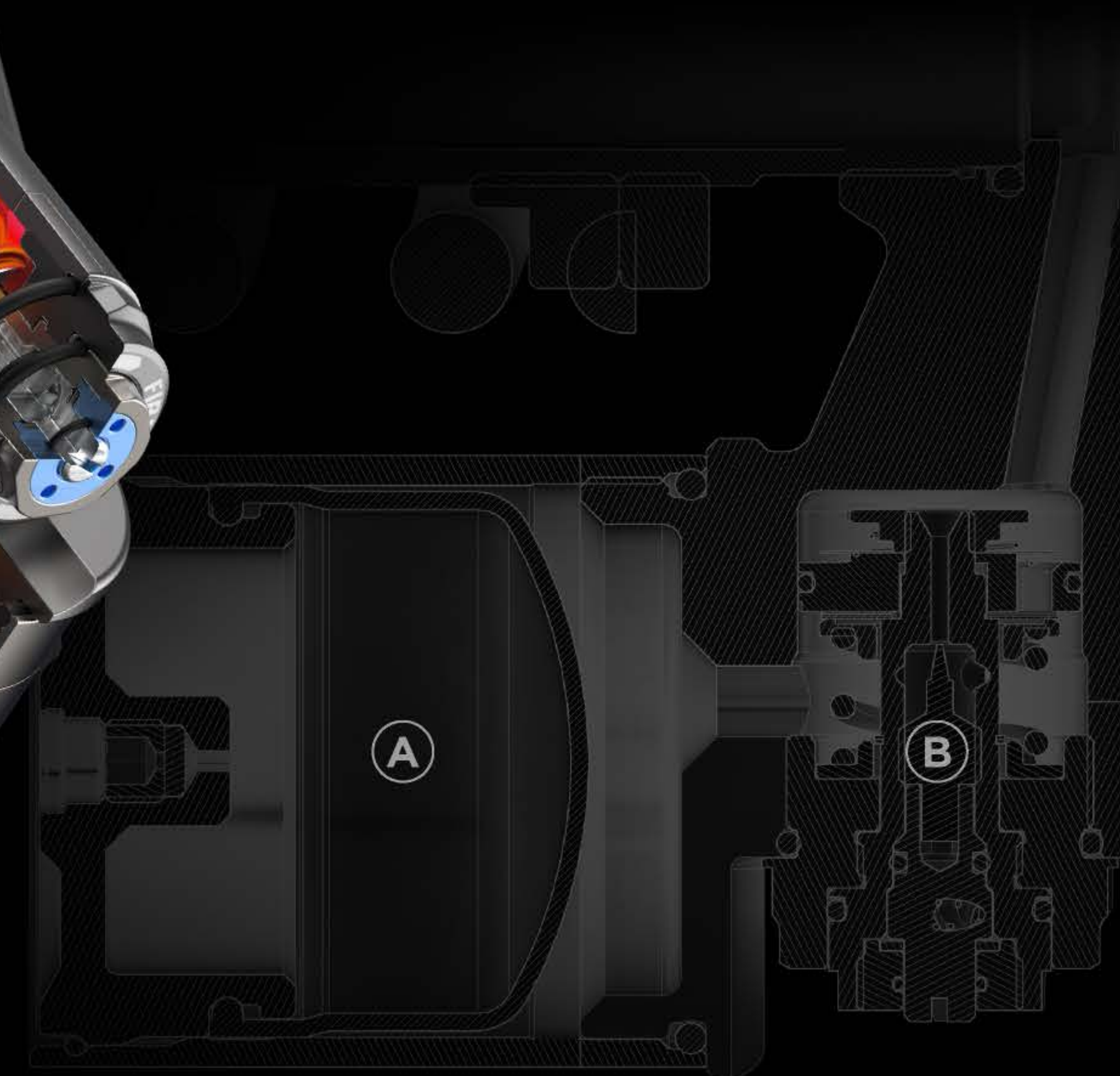
Utilizing aerospace-grade aluminum forging construction and a military-grade surface coating, RacingBros achieve weight savings of up to 30% compared to conventional competitors.

ALUMINUM ALLOY PISTONS

Precisely CNC-machined pistons from high-quality 7-series aluminum ensure consistent damping.

H/L SPEED
COMPRESSION
24
CLICKS

REBOUND
24
CLICKS



A BLADDER TECH

Bladder gas tech boosts shock sensitivity for stable, comfortable rides.

B CO-AXIAL SYSTEM

Boost your ride with RacingBros' advanced Co-axial High/Low-Speed Compression Damping System, packed with versatile adjustments:
High-Speed Compression: 24 clicks.
Low-Speed Compression: 24 clicks.

COLD FORGED CNC EYELET

Unmatched robustness and reliability with cold-forged CNC machined eyelets for exceptional durability.

OPTIMIZED DAMPING SYSTEM

RacingBros' damping strokes ensure a smooth and stable riding experience even in extreme conditions.

AIR SPRING DESIGN

RacingBros' adjustable air spring delivers a 35% weight reduction.

OHC ADJUSTABLE REBOUND

Simplify the pursuit of the perfect ride with RacingBros' 18-click OHC (Over Head Cam) rebound adjustment system. Easily fine-tune the knob to personalize your ride.

AEROSPACE-GRADE MATERIAL

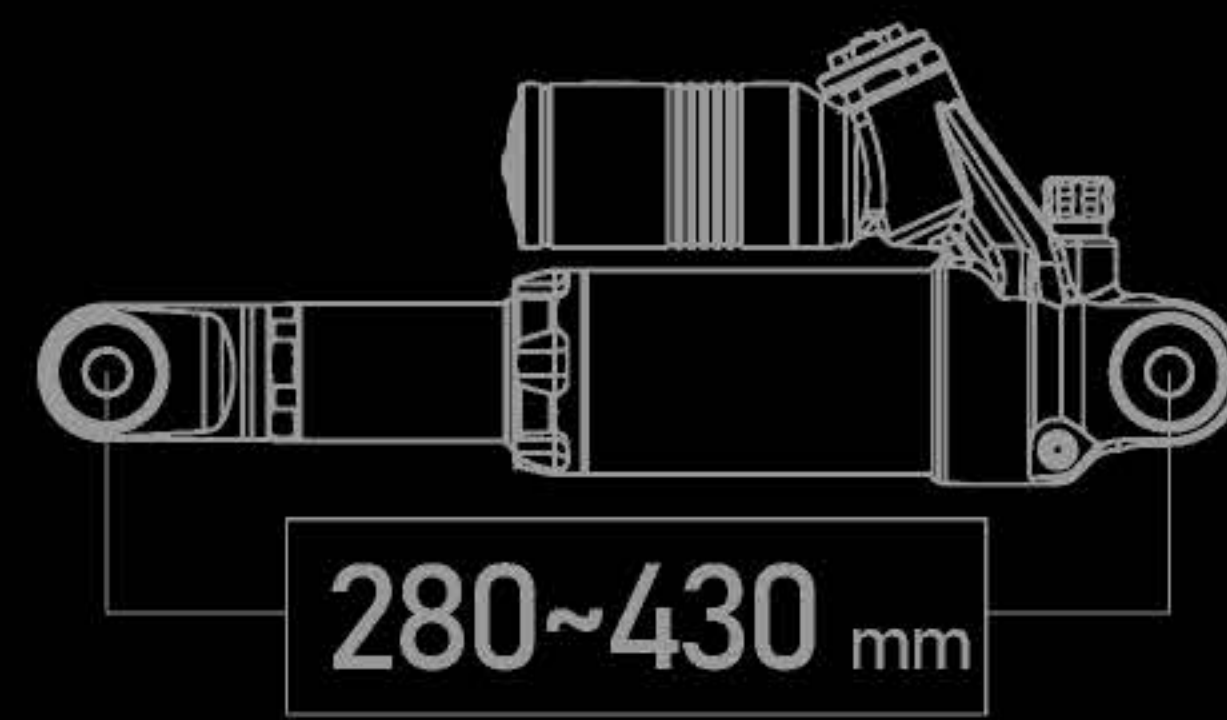
RacingBros offers off-road bikers an amazing riding experience by utilizing aerospace-grade materials and a military-grade surface coating.

BAZOOKA 4.0

Utility for scooters

H/L SPEED
COMPRESSION
24
CLICKS

OHC
REBOUND
18
CLICKS



AIR SPRING DESIGN

35 PERCENT WEIGHT REDUCTION

BEVEL GEARS ADJUSTER

RacingBros' cutting edge design brings ultimate smoothness, precise adjustments, and reliability.





CARTRIDGE SYSTEM

RacingBros' high-performance cartridge design makes bike installation easier for all riders. Featuring a CNC-machined damping piston with a 25mm diameter, crafted from high-quality 7-series aluminum alloy (7075-T6), it takes stability to another level.

SCEPTER²⁵

for Harley-Davidson

NITROGEN CHAMBER

RacingBros' oil/gas separation system, filled with pressurized nitrogen, ensures continuous damping for the most reliable riding experience.

Cr-Si STEEL SPRING

The SCEPTER series utilizes super high-strength Japan Cr-Si steel springs, guaranteeing robustness and an outstanding lifecycle.

COMPRESSION	REBOUND	PRELOAD
24	24	15
CLICKS	CLICKS	mm