



BOSCH

Invented for life

Motorsport ABS

DIAL IN YOUR BRAKING



There's nothing more important in a race car than its brakes. Braking is fundamental to on-track performance, whether it's precisely shaving tenths off a lap time or ensuring reliable control when pushing the limits.

Perhaps most well-known globally for its applications in GT3, Motorsport ABS has changed the braking game, bringing professional level safety and performance to competitors at all levels of motorsport.

NO MORE LOCKUPS

Tyre lockups can cause a loss of control and potentially result in an accident, not to mention burning expensive rubber. Bosch Motorsport ABS eliminates lockups, meaning that drivers can push their cars to the limit without worrying about losing control during braking. With Motorsport ABS, you can focus on driving your best qualifying lap and race.

INHUMAN BRAKING PERFORMANCE

Without Motorsport ABS, a driver must modulate their brake force to the tyre with the least grip. Bosch Motorsport ABS uses high speed sensors for wheel speed, acceleration/yaw (6-axes) and hydraulic pressure to intelligently target the optimal slip angle for each individual tyre, maximising deceleration while maintaining steerability.

Customers can input factors such as vehicle mass, wheelbase, track width, tyre rolling circumference and more into their Bosch Motorsport ABS system, to ensure that the system maximises the braking potential of their setup.

ROAD CAR ABS vs MOTORSPORT ABS

Road Car ABS	Motorsport ABS
Tuned for one individual car/model’s specification. Uses models instead of measured values, tuned for: • Comfort/stability over performance • All conditions (ice to asphalt) • Legal requirements • No adjustability or option to disable • Parameters cannot be changed to suit vehicle modifications	Uses measured sensor values instead of models, enabling “Universal” fit to almost all vehicles. Firmware designed and tuned for: • Performance over comfort/stability • Race drivers’ requirements • Racetrack/tarmac only conditions • Racetrack/motorsport specific functions • 12-position on-the-fly adjustability • Can be turned off if desired

CLUBSPORT ABS KIT

The ABS M5 Kit Clubsport is developed for operation in front, rear or 4-wheel drive vehicles. A generic ‘one-size-fits-all’ wiring harness is included in the kit to minimise cost, while retaining the performance benefits of Motorsport ABS. For customers without high downforce variability, this is the perfect entry point for your Motorsport ABS journey.

STANDARD ABS KIT

In addition to the features of the Clubsport kit, the Standard kit includes a custom wiring loom manufactured by Bosch Motorsport for your specific vehicle’s requirements. Additional advanced braking support features include lateral acceleration slip regulation and cornering inside wheel slip regulation. Standard kit owners can also order a custom calibration, conducted in-person by a Bosch engineer to facilitate downforce-dependent wheel slip regulation.

	Clubsport	Standard
Diagnostics, sensor data & brake balance over CAN	Included	Included
Update of Vehicle Data	via RaceABS software	via RaceABS software
Custom Calibration	Not supported	Available for additional fee
Wiring Loom	One size fits all	Built to order
C70 Logger Connection	Not supported	Included

How much are lock-ups costing you?

For more information on the Motorsport ABS range, including product dimensions, compatibility with your car and more, contact your local Bosch Motorsport Authorised Dealer.

