



## ABS

The ABS system prevents the wheels from locking under extreme braking or in the wet. The sensors on the wheels measure their rotation speeds. If one wheel is found to be near the point of locking, the ABS system cuts in. The ECU sends a signal to a hydraulic actuator which increases or decreases brake pressure until grip is restored thus preventing the wheels from locking. This provides the **best braking possible in relation to the road conditions** at that time and ensures **stability** of the bike as well as rider **safety**. RSV4 and Tuono V4 come from the factory standard with the **highly advanced "Race ABS" antilock braking system**, designed and developed by Aprilia in collaboration with Bosch to guarantee not only extreme safety on the road, but also the best possible performance on the track. The ABS 9MP unit constitutes **the maximum point of distinction and technology available today**: the system, weighing in at just 2 kg, can be **disengaged and adjusted to 3 different levels** by easily accessing the sophisticated instrumentation control menu:

**Level 1: dedicated to the track (but also approved for street use)**, it acts on both wheels and guarantees maximum possible performance, even in the most intense braking situations at any speed. This setting takes nothing away from the pleasure and performance of "pushing the envelope".

**Level 2: dedicated to sport riding on the street**, it works on both wheels and is combined with an advanced **tip over** system (RLM - Rear Lift-up Mitigation) which has **progressive action based on the vehicle speed**.

**Level 3: dedicated to riding on surfaces with poor grip**, it acts on both wheels and is combined with the advanced tip over system.



## ACC - Aprilia Cruise Control

Aprilia Cruise Control allows the **desired speed** to be set and **maintained** even on uphill and downhill, without touching the throttle control.

The system disengages automatically if the rider touches any of the brake/clutch Cruise Control commands and is **very useful on long motorway routes** because it helps **save fuel** and makes the **ride less tiring**