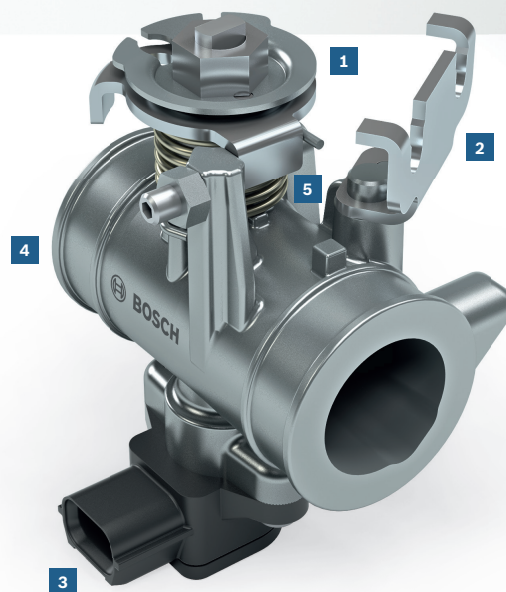


Air management

Mechanical throttle body assembly



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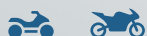


Product benefits

- ▶ Modular design, optimized solution for two-wheeler applications
- ▶ Customer-specific throttle diameters
- ▶ Optional customized spray targeting
- ▶ Idle assist possible as add-on feature
- ▶ Data matrix of air flow curve in bar-code form

- 1** CAM profile and back plate
- 2** Bracket
- 3** TPS-C (throttle position sensor connector)
- 4** Housing
- 5** Torsion spring

Vehicle segments



compact design

Standardized length of TBA across various throttle diameters

Task For the combustion of the air-fuel mixture, the air supply to the engine cylinder is just as important as the fuel supply. The air-to-fuel ratio, air movement, and composition of the intake air contribute to clean, economical, and dynamic engine operation. In gasoline motorcycle engines, the air supply to the cylinder is controlled by means of a throttle body, which reduces or enlarges the intake manifold cross section.

Function The throttle body assembly is mechanically attached to the throttle and can be flexibly equipped with various components. An angular-position sensor for position feedback is included in all variants.

Technical characteristics

Platform design	modular
Throttle diameter	22 – 44 mm
Ambient temperature	-20 °C to +100 °C
Idle air leakage	1 – 1.2 kg/h
Idle bypass	not available, seal required
Options for integration	throttle position sensor combined charge sensor fuel injector idle speed actuator