

Steering Robots

Types CS-B20, CS-B40,
CS-B60, CS-B60T,
CS-B150T

With over 10 years of worldwide operation our steering robots gain a steadily increasing community. Technologically leading VEHICO became a reliable and established partner throughout the world.



Description






Convenience

From the beginning very much appreciated by our customers was the fact that the vehicle's own steering wheel does not have to be removed. Thus, the vehicle control units are not confused by the lack of a steering wheel and the airbag deployment remains ensured. And we could realize an unbeatable short installation time.

Safety

If you care about the drivers safety: There are no disturbing or safety-critical structures between the steering wheel and the driver.



Technical data	CS-B20	CS-B40	CS-B60	CS-B60T	CS-B150T
Vehicle					
Nominal torque	20 Nm	40 Nm	60 Nm	60 Nm	150 Nm
Turning speed at nom. torque	1 000 deg/sec	1 200 deg/sec	1 200 deg/sec	1 200 deg/sec	500 deg/sec
Max. turning speed	2 500 deg/sec	3 500 deg/sec	1 600 deg/sec	1 600 deg/sec	800 deg/sec
SWA resolution	0.02 deg	0.02 deg	0.01 deg	0.01 deg	0.005 deg
Behind steering wheel	✓	✓	✓	✓	✓
Special feature	best for LSS/LKA and ADAS	very robust	best for FMVSS126, ECE R13-H	best for truck ADAS	best for truck ECE R79

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Key features

- Intuitive Python-based robot operation
- Wide range of ready-to-run templates
- Record and replay
- Steer-by-wire functionality
- Follow mode
- Remote control
- Torque measurement and control
- Customizable report generation
- Robot mounted behind the wheel
- Undisturbed airbag function
- Steering wheel electronics remain unaffected
- Compact and lightweight
- Quick to install

More features

- Robust microcontroller with passive cooling
- Buffering of undervoltage
- No software installation
- OBD2 interface
- Best performance values for LKA testing
- High dynamic GPS-based track control
- Customizable emergency events
- Control from inside or outside of the car
- Combinable with all VEHICO robots
- Unique price / performance ratio

Typical applications:

- EuroNCAP AEB / VRU / LSS
- US-NCAP AEB
- FMVSS126 / ECE R13-H / ECE R140
- ECE R79
- Fishhook
- ISO lane change
- Tire testing
- Embankment rollover
- Autonomous driving projects

