HEGOA hexapod

Compact dynamic hexapod

KEY FEATURES

- Payload capacity 50 kg
- Angular travel range ± 23°
- Compact height: 420 mm

APPLICATIONS

- Motion simulator
- Naval
- Automotive
- Biomedical
- Defense
- Optics

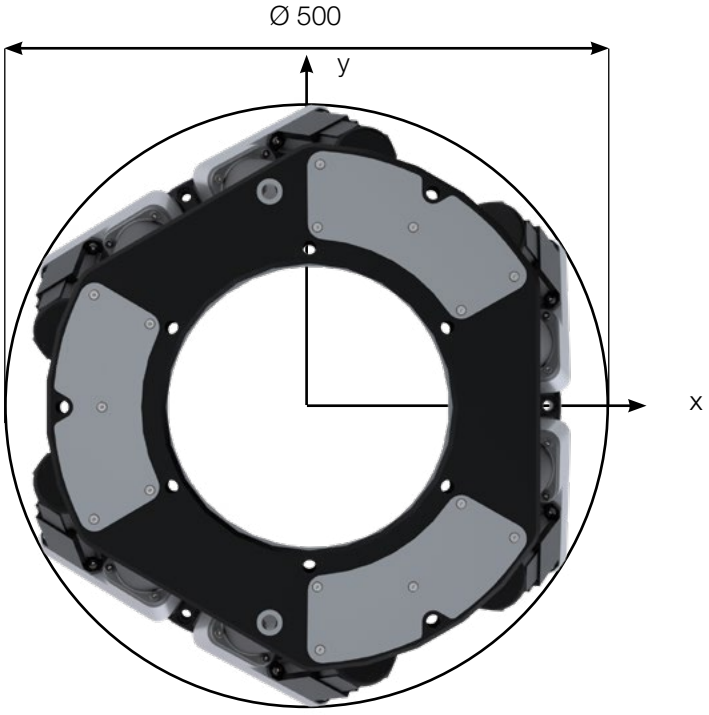
HEGOA hexapod testing the motion compensation performances of a gyro stabilized platform.

HEGOA hexapod with a drone equipped with a camera to test the reactions of the system during flight movements.

	HEGOA
Motion and positioning	
Travel range Tx, Ty (mm)	± 100
Travel range Tz (mm)	± 50
Travel range Rx, Ry (deg)	± 23
Travel range Rz (deg)	± 30
Speed Tx, Ty, (mm/s)	± 200
Speed Tz (mm/s)	± 120
Speed Rx, Ry, Rz (°/s)	± 50
Acceleration Tx, Ty, Tz (mm/s²)	± 800
Acceleration Rx, Ry, Rz (°/s²)	± 200
Mechanical properties	
Payload capacity (kg) (vertical orientation / horizontal orientation)	50 / 15
Motor type	Brushless motor with absolute encoder
Miscellaneous	
Operating temperature range (°C)	+ 10 to + 40
Size mobile platform (mm)	Ø 322
Height in middle position (mm)	420
Mass (kg)	30
Cable length (m)	5
Options	Outdoor Acquisition (storage of motions) API External real-time trajectory control (ERTT)
Controller	
Interface	Ethernet
Power supply	110-240 VAC / 50-60 Hz

The performances are specified for single axis motions, with all other axes at midrange and for a rotation center in the middle of the mobile platform.

Hexapod in middle position



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