

JACO Hand Adapter Kit

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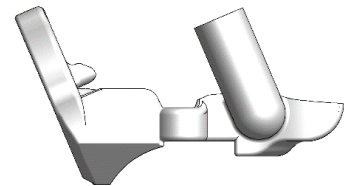
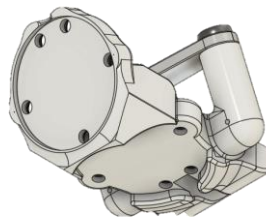
Description:

Water resistant, extremely durable, and capable of lifting up to 1.3 kgs, the JACO hand adapter kit offers **six degrees of motion**, with two under-articulated fingers and an identical opposing thumb. For example, fitted with the **OMD-20-SE-40N** OptoForce force sensors, the JACO hand can provide help, and can be easily used by individuals spiritually capable, but physically restrained to move, lift and interact with objects, like opening doors that were once closed.

Benefits:

- Multi axis force measurement
- High resolution
- Highly adaptable product design
- Multimodal tactile sensing
- Simple installation
- Shock resistant
- Cost efficient solution
- Easy integration

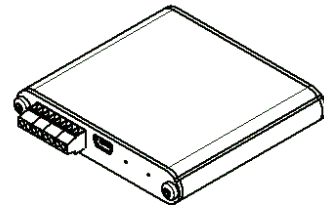
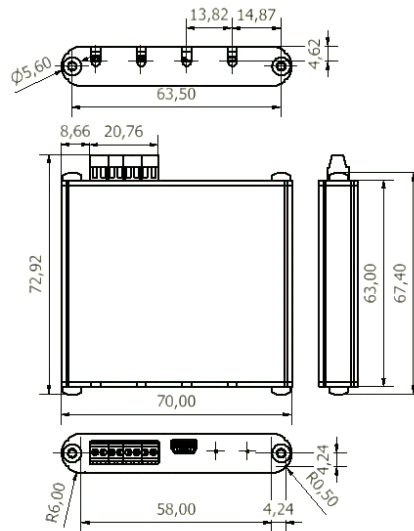
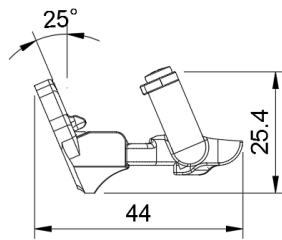
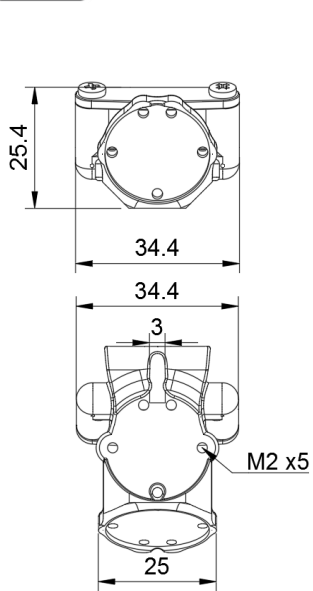
	Nominal Capacity	Typical Deformation
F_{xy}	±20 N – 80N	± 1- 1.5 mm
F_z – compression	40 N – 80N	1.5 - 2 mm



Underside and side view without sensing elements

*: For F/T sensing kindly see our 6 axis datasheets

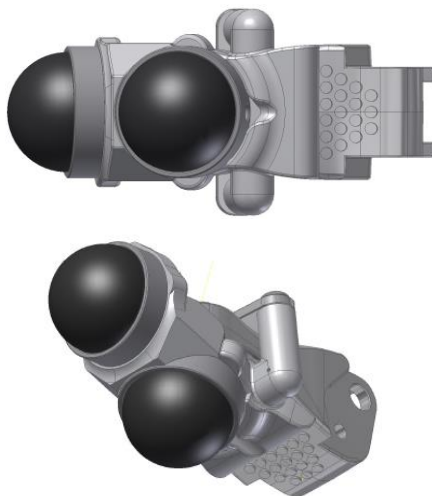




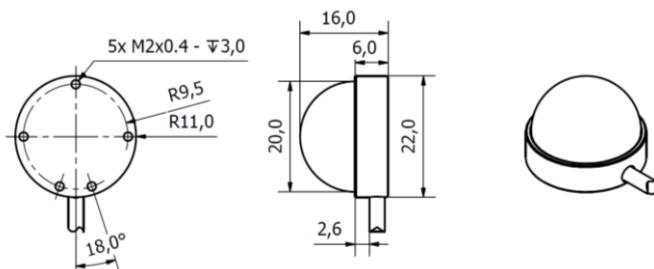
Adapter

DAQ (Non-Detachable)

JACO HAND ADAPTER WITH OPTOFORCE SENSORS



Bottom view with sensors



Technical drawing of the sensor unit

Highly customizable, the JACO hand adapter kit can be fitted with any two 3-axis OptoForce sensors, depending on the application. The OMD-20-SE-40N three-axis force sensor is ideal for this hand adapter kit, but the kit itself has limitless capabilities regarding expansion force sensing, ranging from 40-80 N nominal capacity.

	Nominal Capacity	Typical Deformation
Fxy	±20 - 40 N	± 1.5 mm
Fz – compression	40 - 80 N	2 mm
Dimensions of sensor	Height x width x length	17 x 25 x 25 mm



INTERFACE TYPES



USB	Maximum sampling frequency 1000 Hz
CAN	
UART	Supported systems: Windows, Linux