Collaborative Parallel Grippers ECG2-18050 2-Finger

- ECG is a collaborative 2-finger parallel gripper that is equipped with symmetrically parallel Advantages

 Compact design

 Smooth body with rounded edges ideal for collaborative applications

 Grip control: force and position adjustment

 Quick open/close time with speed adjustment

 Grip feedback and part detection: gripper status can be read at the PLC/Controller and visualized on the unit via LED's

 Plug and play: mechanical and software interface for major cobot manufacturers

 Multiple communication modes: the gripper supports Modbus RTU protocol and IO mode control. Other protocols such as USB and ETHERNET can be implemented through a protocol converter.

 ROS compatible

 Designed for harsh environments

 Grip actuation via embedded controller.



SPECIFICATIONS

Model	Stroke per Jaw	Gripping Force per Jaw	Total Gripping Force	Opening/ Closing Time	Nominal Voltage	Nominal Current	Max Current	Repeatability (Positioning)	Recommended Workpiece Weight*	Weight
ECG2-18050	17.5 mm	15 - 50 N	30 - 100 N	0.7 / 0.7 s	24 V DC ± 10%	0.25 A	0.50 A	± 0.03 mm	1.0 kg	0.50 kg
	0.69 in	3.37 - 11.24 lb	6.74 - 22.48 lb					± 0.001 in	2.20 lb	1.10 lb

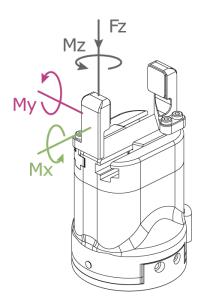
^{*} Recommended workpiece weight depends on the shape of the part, the material and friction of the contact surface and the acceleration of the motion.

Communication Interface Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT

IP Protection Class IP 54

Noise Emission (Sound Pressure) ≤ 40 dB(A) in any direction
Recommended operating environment 0-40 °C (32-104 °F), < 85% RH

For this type of gripper the use of the standard fingers is recommended.



Allowable vertical load (static)	llowable	vertical	load	(static)
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Fz 150 N (33.72 lb)

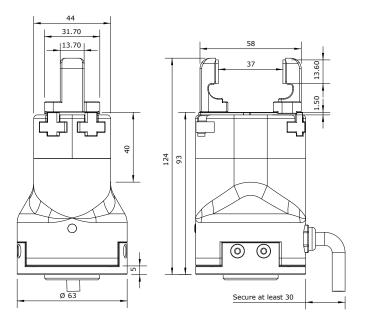
Mx 2.5 Nm (17.70 in-lb)

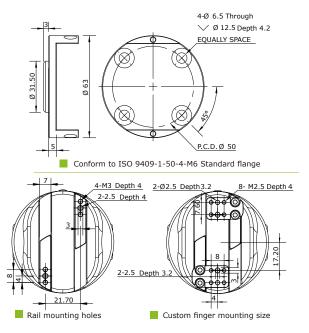
My 2 Nm (17.70 in-lb)

Mz 3 Nm (26.55 in-lb)



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