

Electric Adaptive Grippers

EAG2-48160 2-Finger

EAG is an electric 2-finger adaptive gripper that is equipped with two symmetrically articulated fingers.

Advantages

- Slim body with one installation positions
- 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.
- Grip actuation via embedded controller.
- Brake locking mechanism.



SPECIFICATIONS

Model	Stroke	Gripping Force per Jaw	Total Gripping Force	Opening/Closing Time	Nominal Voltage	Nominal Current	Max Current	Repeatability (Positioning)	Recommended Workpiece Weight*	Weight (fingers excluded)
EAG2-48160	95 mm 3.74 in	45 - 160 N 10.1 - 36 lb	90 - 320 N 20.2 - 72 lb	0.7 / 0.7 s	24 V DC $\pm$ 10%	0.8 A	1.50 A	$\pm$ 0.03 mm $\pm$ 0.001 in	3.00 kg 6.61 lb	1.00 kg 2.20 lb

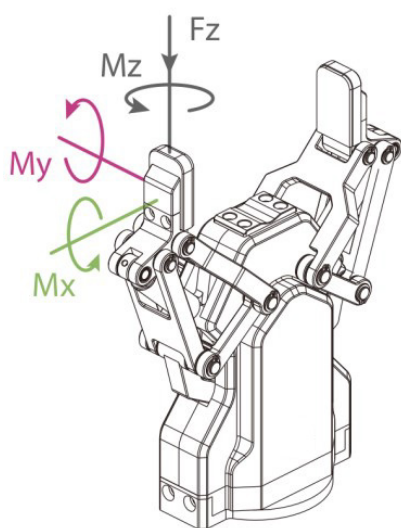
* Recommended workpiece weight depends on the shape of the part, the material and friction of the contact surface and the acceleration of the motion.

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) $\leq$ **40 dB(A) in each direction**

Recommended operating environment **0-40 °C (32-104 °F), < 85% RH**



Allowable vertical load (static)

Fz 300 N (67.44 lb)

Allowable moment (static)

Mx 4.75 Nm (42 in-lb)

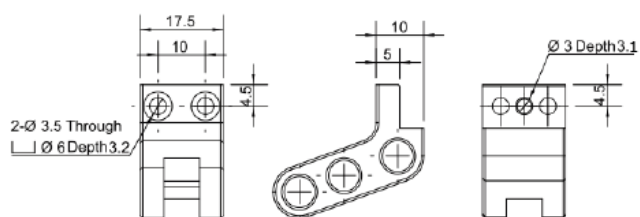
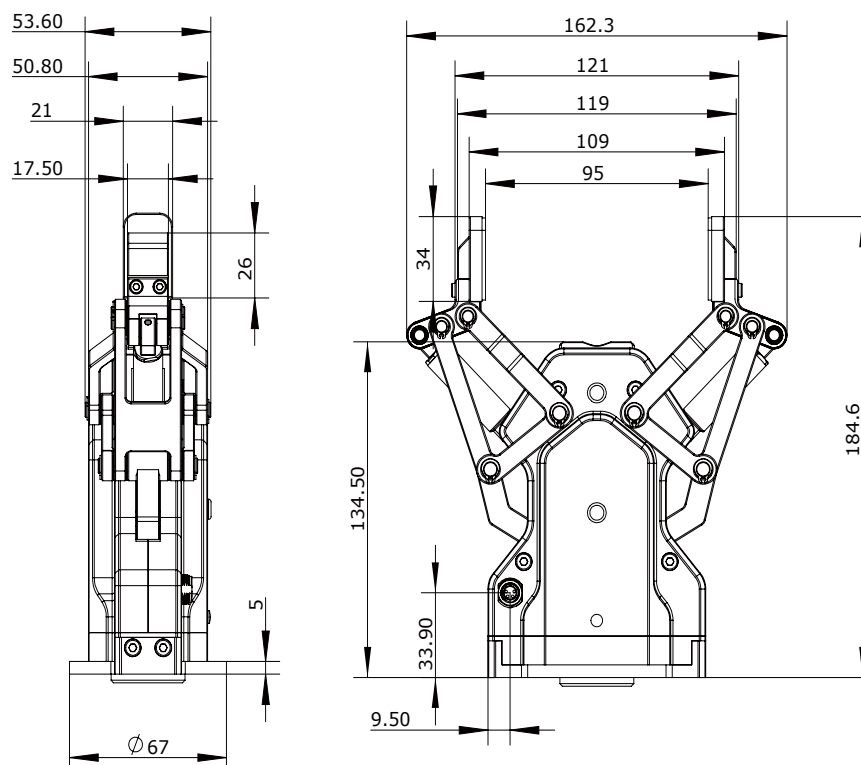
My 4.75 Nm (42 in-lb)

Mz 4.75 Nm (42 in-lb)

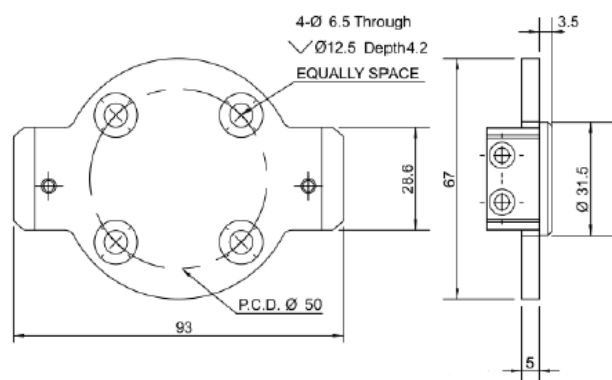
PRODUCT INFORMATION



02.25_Rev.03



■ Custom fingers mounting size



■ Conform to ISO 9409-1-50-4-M6 standard flange



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