



- 40 mm travel
- Grips and measures different sized objects without programming
- Position feedback from motor encoder
- Maintains grip even if power is lost
- Built-in controller
- Daisy-chains with other X-Series products to share a single power supply
- Includes removable finger blanks

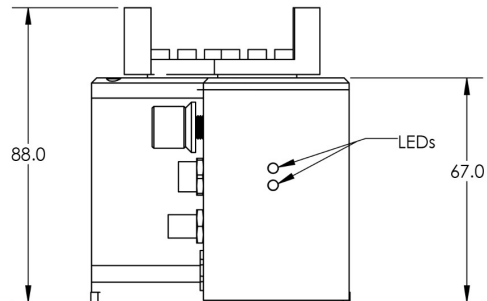
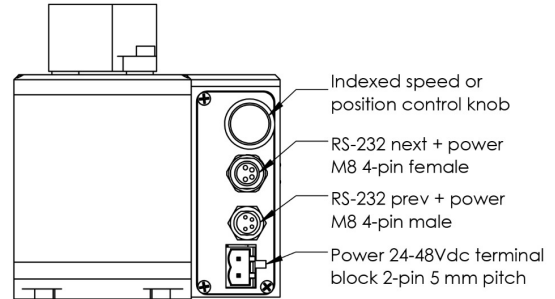
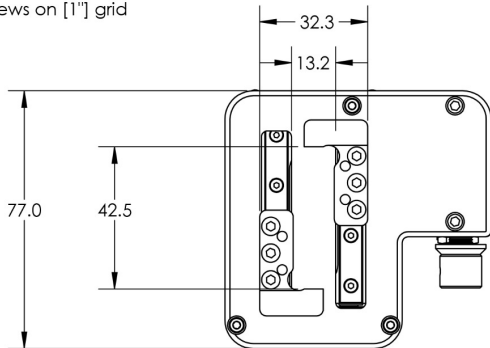
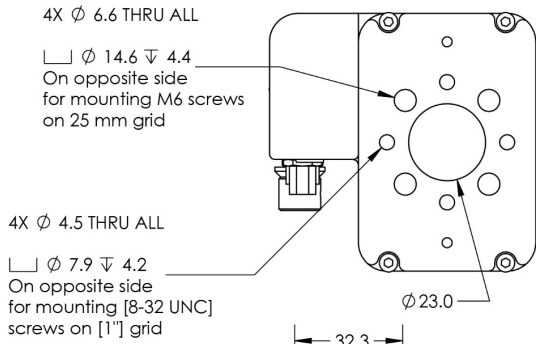
## Product Description

Zaber's X-GLP-E Series are computer-controlled electric grippers with motor-mounted encoders. They are stand-alone units requiring only a standard 24 V power supply. The motor encoder allows for closed-loop operation, detecting when the fingers have gripped an object and providing feedback about the object's size.

An indexed knob provides smooth manual control at variable speeds in both directions for versatile operation even without a computer. Press and hold to switch between velocity mode and distance mode, turn to move the gripper fingers, and press to stop. Gripper devices connect to the USB 2.0 or RS-232 port of any computer and can be chained with several units per chain. They can be chained with any other Zaber products. Convenient locking, 4-pin, M8 connectors on the unit allow for easy and secure connection. The chain also shares power, so multiple X-Series products can use a single power supply.

## Dimension Drawings

\*See product page for complete list of available models at [www.zaber.com](http://www.zaber.com)



## Product Specifications

Specification	Value	Alternate Unit
Microstep Size (Default Resolution)	0.248046874 $\mu\text{m}$	
Built-in Controller	Yes	
Repeatability	< 4 $\mu\text{m}$	< 0.000157 "
Backlash	< 40 $\mu\text{m}$	< 0.001575 "
Maximum Speed	75 mm/s	2.953 "/s
Minimum Speed	0.0024 mm/s	0.000094 "/s
Speed Resolution	0.0024 mm/s	0.000094 "/s
Encoder Resolution	200 CPR	800 states/rev
Encoder Type	Motor mounted rotary quadrature encoder	
Peak Thrust	10 N	2.2 lb
Maximum Continuous Thrust	10 N	2.2 lb
Communication Interface	RS-232	
Communication Protocol	Zaber ASCII (Default), Zaber Binary	
Guide Type	Linear guide	
Maximum Current Draw	350 mA	
Power Supply	24-48 VDC	
Power Plug	2-pin Screw Terminal	
Linear Motion Per Motor Rev	3.175 mm	0.125 "
Motor Steps Per Rev	200	
Motor Type	Stepper (2 phase)	
Motor Rated Current	800 mA/phase	
Motor Winding Resistance	5.4 ohms/phase	
Inductance	1.5 mH/phase	
Motor Rated Power	6.9 Watts	
Default Resolution	1/64 of a step	
Data Cable Connection	Locking 4-pin M8	
Mechanical Drive System	Lead screw	
Limit or Home Sensing	Magnetic home sensor	
Manual Control	Yes	
Axes of Motion	1	
LED Indicators	Yes	
Mounting Interface	M3 threaded holes & 3 mm dowels	

Specification	Value	Alternate Unit
Vacuum Compatible	No	
Operating Temperature Range	0 to 50 °C	
RoHS Compliant	Yes	
CE Compliant	Yes	
Weight	0.60 kg	1.323 lb