# numatics<sup>®</sup>







#### Features

- Simple 24 VDC Digital Control (2 in / 2 out) via standard M12 connectors
- Modular electronics for ease of maintainability
- Single or dual cable control option
- Built in "obstruction" detection
- Integral brake maintains arm position any time power is lost
- Mechanical indicator identifies when gripper mechanism is locked
- Powered and unpowered manual override
- Single and Double Moving Jaws
- Single and Double Tips
- Adjustable opening angle
- · Linear and rotary motion guided by roller bearings
- Remains locked in closed position even when power is removed

#### **General Specifications**

Weight: LGE140: 2.5 Kg (5.5 lbs) Operating Temperature: 5° to 40° C (40° to 105°F)

Class Protection: IP65

Opening Angles: LGE140VB: 15°, 30°,45°, 60°, 75° LGE140VF: 15°, 30°,45°, 60°, 75° LGE140VL: 15°, 30°,45°, 60°, 75°, 90° LGE140OL: 15°, 30°,45° \*see dimensional drawings for more information.

Holding Capacity: 600 Nm (5310 in-lbs)

Maximum Grip Force: LGE140V: 2333 N (525 lbs) LGE140O: 1866 N (420 lbs)

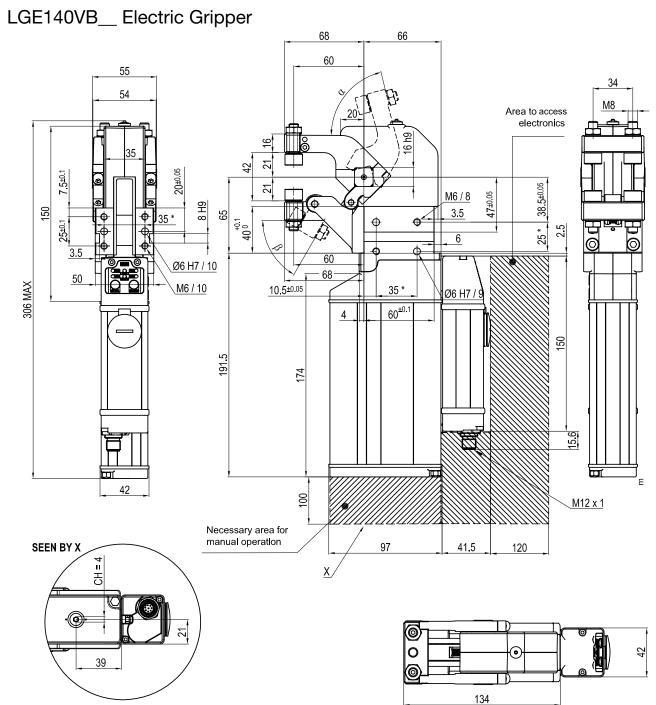
#### LGE 140 V L 21 Series – LGE = Electric Gripper Control Module 11 = Single M12 male 8 pin connector In the case of an obstruction the arm stops in the position it is in. Size 12 = Single M12 male 8 pin connector In the case of an obstruction the arm returns to its previous position. 21 = Two M12 male 4 pin connector (sensor/command) Jaw Mounting Position In the case of an obstruction the arm stops in the position it is in. 22 = Two M12 male 4 pin connector (sensor/command) = 90° = 180° = 180° \*See dimensional drawings for more information In the case of an obstruction the arm returns to its previous position. Jaws Style в = Upper and lower jaws opening; double tips - available only with V jaws mount style. Upper and lower jaws opening; single tips - available only with V jaws mount style. = Fixed lower, upper jaw opening; double tips.

### How to Order



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#### LGE Series Electric Gripper



**Opening Angles** 

Datum Opening Angle	A Angle	B Angle
15°	15°	3°
30°	30°	14°
45°	45°	29.5°
60°	60°	44°
75°	75°	58°

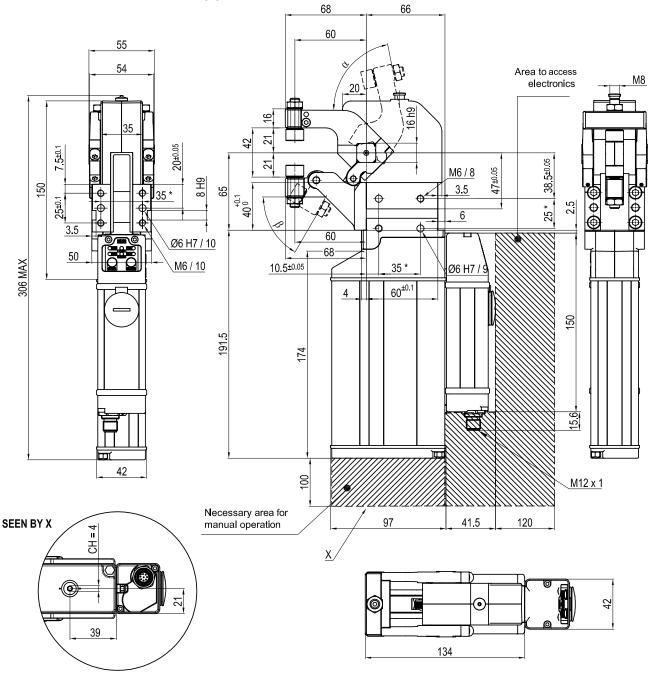
\*: TOLERANCE FOR DOWEL HOLES ± 0.02 FOR SCREW HOLES ± 0.1





#### LGE Series Electric Gripper





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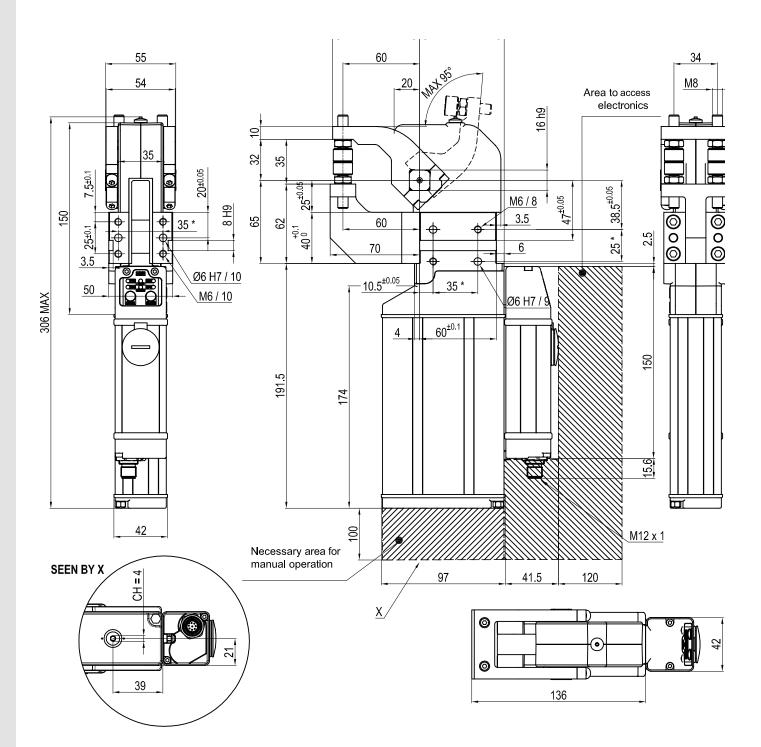
\*: TOLERANCE FOR DOWEL HOLES  $\pm$  0.02 FOR SCREW HOLES  $\pm$  0.1



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#### LGE Series Electric Gripper

## LGE140VL\_\_ Electric Gripper



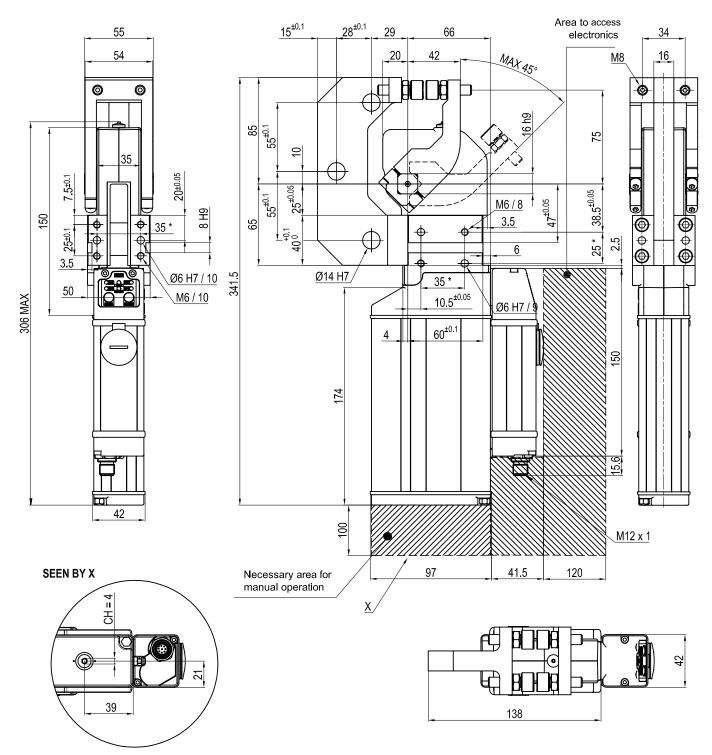
\*: TOLERANCE FOR DOWEL HOLES ± 0.02 FOR SCREW HOLES ± 0.1





#### **LGE Series Electric Gripper**

## LGE140OL\_\_ Electric Gripper



\*: TOLERANCE FOR DOWEL HOLES  $\pm$  0.02 FOR SCREW HOLES  $\pm$  0.1