

3-JAW CONCENTRIC GRIPPERS

SERIES GED5000

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Series GED5000 / 3-Jaw Concentric Grippers / electrical / Grippers

▶ PRODUCT ADVANTAGES



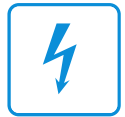
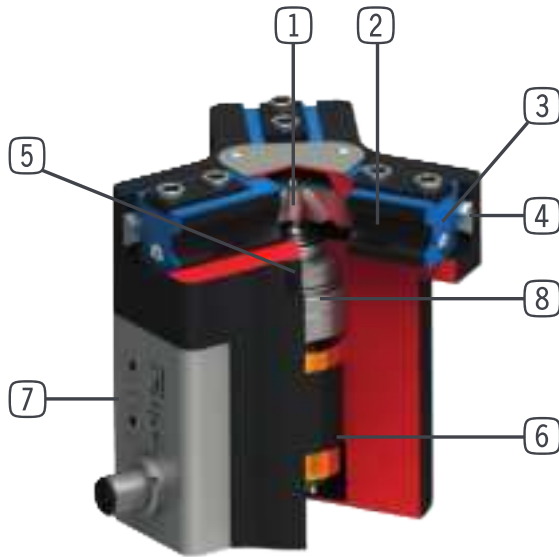
IO-Link

“ALL in ONE”

- ▶ Approximately the same gripping force as a comparable pneumatic gripper
- ▶ Self locking mechanism in case of power drop
- ▶ Same connection hole patterns as a comparable pneumatic gripper
- ▶ Plug and play – single-cable solution, supports incredibly easy control using I/O signals or IO-Link
- ▶ Integrated ACM control module - option of configuring gripping force, travel time and switching points
- ▶ Protected from corrosion and sealed in accordance with IP64
- ▶ Brushless DC motor – up to 30 million cycles without maintenance

▶ SERIES CHARACTERISTICS

Installation size	Variants	
GED50XX	IL-00	IO-00
IO-Link	•	
Digital I/O		•
30 million maintenance-free cycles (max.)	•	•
Integrated sensing	•	•
Gripping force adjustable	•	•
Self locking mechanism	•	•
Protected against corrosion	•	•
Purged air	•	•
IP 64	•	•

**► BENEFITS IN DETAIL**

- ① **Wedge hook mechanism**
 - high forces and moments capacity
 - Synchronized gripper jaw movement
- ② **Gripper jaw**
 - Gripper fingers mounted using removable centering sleeves
 - Lubricated for life via incorporated lubrication slots
- ③ **Dual lip seal**
 - Enables IP64
 - Prevents grease from being squeezed out, increasing service life
- ④ **Steel Linear Guide**
 - Steel in steel guide
 - Enables use of extremely long gripper fingers
- ⑤ **Mounting and positioning**
 - Alternatively, on several sides for customized mounting
 - Pneumatic and electrical versions identical apart from height
- ⑥ **BLDC motor**
 - wear-resistant brushless DC motor
- ⑦ **Advanced control module**
 - Integrated control module with single-cable solution
 - Gripping force, travel time and query programmable via the control panel on the housing
- ⑧ **Drive train**
 - Combination of trapezoidal spindle and gear
 - Durable and robust

► TECHNICAL DATA

Installation size	Stroke per jaw [mm]	Gripping force [N]	Weight [kg]	IP class
GED5006	6	540 - 960	1.09	IP64 *
GED5008	8	650 - 1150	1.66	IP64 *
GED5010	10	980 - 1520	2.33	IP64 *

*with purged air (max. 0,5 bar)

► FURTHER INFORMATION IS AVAILABLE ONLINE

All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.