

# 2-JAW PARALLEL GRIPPERS

## SERIES GEP1400

### ▶ PRODUCT ADVANTAGES



#### “The robust”

##### ▶ Proven T slot guide

This established and proven guiding technology stands for the highest process reliability like no other






##### ▶ Integrated position sensing

You can detect the gripper status safely via the motor current using your control system

##### ▶ The simplest activation

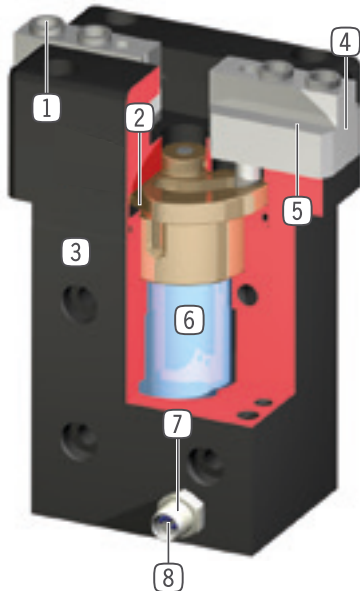
The included control unit is controlled easily via plus and minus buttons, while you can optionally adjust the gripping force using the potentiometer

### ▶ SERIES CHARACTERISTICS

Installation size	Version		
GEP140X		C	O
 Digital I/O	•	•	•
 External gripping		•	
 Internal gripping			•
 5 million maintenance-free cycles (max.)	•	•	•
 IP52	•	•	•



## ► BENEFITS IN DETAIL



- ① **Removable centering sleeves**
  - quick and economical positioning of the gripper fingers
- ② **Positively driven curve disc**
  - synchronized the movement of the gripper jaws
  - high force transfer
  - rapid stroke and force stroke (version with 6 mm stroke per jaw)
- ③ **Robust, lightweight housing**
  - Hard-coated aluminum alloy
- ④ **Gripper jaw**
  - hardened steel
  - individual gripper finger mounting
- ⑤ **Guide**
  - precise T-Slot guide for high forces and moments capacity
- ⑥ **Drive**
  - electric drive by 24 VDC step motor
- ⑦ **Position sensing**
  - measured at the end of stroke via power increase on the motor
- ⑧ **Energy supply**
  - standardized interface M8 round plug
  - signal control line (use only cable without diode)

## ► TECHNICAL DATA

Installation size	Stroke per jaw [mm]	Gripping force [N]	Weight [kg]	IP class
GEP1402	2	140	0.3	IP52
GEP1406	6	350	1	IP52

## ► FURTHER INFORMATION IS AVAILABLE ONLINE



All information just a click away at: [www.zimmer-group.com](http://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.

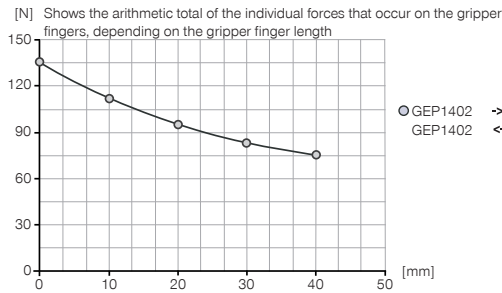
# 2-JAW PARALLEL GRIPPERS

## INSTALLATION SIZE GEP1402

### ▶ PRODUCT SPECIFICATIONS

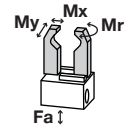


#### ▶ Gripping force diagram



#### ▶ Forces and moments

Displays static forces and moments that can also have an effect, besides the gripping force.



Mr [Nm]	5
Mx [Nm]	5
My [Nm]	4
Fa [N]	70

### ▶ INCLUDED IN DELIVERY



4 [piece]  
Centering Disc  
**DST02900**



1 [piece]  
Control  
**ELEGR01**

### ▶ RECOMMENDED ACCESSORIES



#### CONNECTIONS / OTHER



**KAG500**  
Plug-in connector Straight Cable 5m - Socket M8 (female)



#### CONNECTIONS / OTHER



**KAW500**  
Plug-in connector Angled Cable 5m - Socket M8 (female)

► Technical data

Order no.	GEP1402
Stroke per jaw [mm]	2
Gripping force in closing (adjustable) max. [N]	140
Gripping force in opening (adjustable) max. [N]	140
Closing time [s]	0.2
Opening time [s]	0.2
Repetition accuracy +/- [mm]	0.1
Voltage [V]	24
Max. current regulable by potentiometer [mA]	140
Operating temperature min. [°C]	5
Operating temperature max. [°C]	+80
Protection to IEC 60529	IP52
Weight [kg]	0.3

