

# 2-JAW PARALLEL GRIPPERS

## SERIES GEP9000

### ► PRODUCT ADVANTAGES



#### “The quickest”

##### ► Plug and play

Reduce programming and assembly costs to a minimum with the integrated control system and the 3 position query








##### ► 250 cycles per minute

No more worrying about cycle times: There is nothing faster on the market!

##### ► Failure-free continuous operation

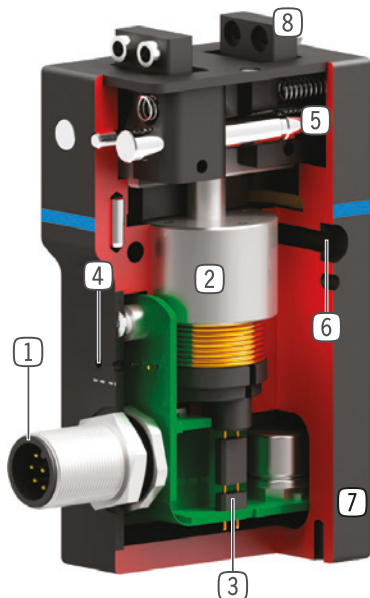
Our “Made in Germany” quality guarantees up to 30 million maintenance-free gripping cycles

### ► SERIES CHARACTERISTICS

Installation size		Version		
GEP900X		NC	NO	NCV
 I/O	Digital I/O	•	•	•
 Spring closing C		•		•
 CV	Spring closing / Power-assisted Version			•
 Spring opening O			•	
 30 Mio	30 million maintenance-free cycles (max.)	•	•	•
 Integrated sensing		•	•	•
 IP 40	IP40	•	•	•



## ► BENEFITS IN DETAIL



- ① Energy supply**
  - standardized interface M12 round connector
- ② Drive**
  - via Pot magnet and coil bobbin according to the coil system principle
  - energy consumption only at opening and closing (<25ms)
- ③ Position sensing**
  - integrated Hallsensor
  - 3 positions monitorable
- ④ Status control**
  - optical LED position display
  - gripper opened, gripper closed, "workpiece available"
- ⑤ Wedge hook mechanism**
  - self locking mechanism at stop position
- ⑥ Mounting and positioning**
  - mounting possible from several sides for versatile positioning
- ⑦ Robust, lightweight housing**
  - Hard-coated aluminum alloy
- ⑧ Gripper jaw**
  - from high-strength, hard-anodized aluminium
  - removable centering sleeves for individual gripper finger mounting

## ► TECHNICAL DATA

Installation size	Stroke per jaw	Gripping force	Weight	IP class
	[mm]	[N]	[kg]	
GEP9002	2	11 - 30	0,25 - 0,34	IP40
GEP9004	4	14 - 50	0,57 - 0,79	IP40

## ► 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.

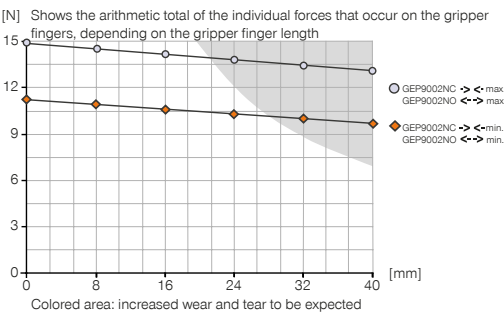
# 2-JAW PARALLEL GRIPPERS

## INSTALLATION SIZE GEP9002

### PRODUCT SPECIFICATIONS

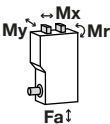


#### Gripping force diagram



#### Forces and moments

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



Mr [Nm]	1.5
Mx [Nm]	1.5
My [Nm]	2.1
Fa [N]	270.0

### INCLUDED IN DELIVERY



4 [piece]  
Centering Disc  
DST80320

### RECOMMENDED ACCESSORIES



#### CONNECTIONS / OTHER



**KAG1000B8**  
Plug-in Connector Straight Cable 10 m - Female  
M12



#### CONNECTIONS / OTHER



**KAW1000B8**  
Plug-in Connector Angled Cable 10 m - Female  
M12

Order no.	► Technical data		
	GEP9002NC-B	GEP9002NO-B	GEP9002NCV-B
Stroke per jaw [mm]	2	2	2
Grip force in grip direction min. [N]	11	11	20
Grip force in grip direction max. [N]	15	15	30
Permanent operation cycle count max. [cycle/min]	200	200	200
Cycle count max. [cycle/min]	250	250	250
Operating time [ms]	<20	<20	<20
Pulse time in opening [ms]	25	25	25
Pulse time in closing [ms]	7	7	7
Repetition accuracy +/- [mm]	0.05	0.05	0.05
Operating temperature min. [°C]	5	5	5
Operating temperature max. [°C]	+80	+80	+80
Current consumption per pulse max. [A]	5	5	5
Length of the gripper fingers max. [mm]	40	40	40
Weight per jaw max. [g]	20	20	20
Protection to IEC 60529	IP40	IP40	IP40
Weight [kg]	0.25	0.25	0.34

NC / NO

- ① Gripper attachment
- ② Energy supply (M12, 8-pole)
- ③ Fixing for gripper finger

