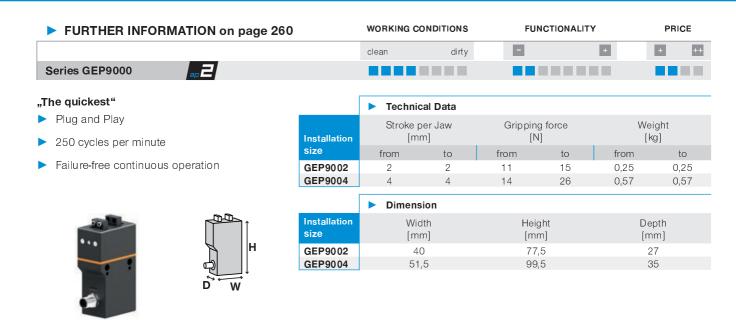
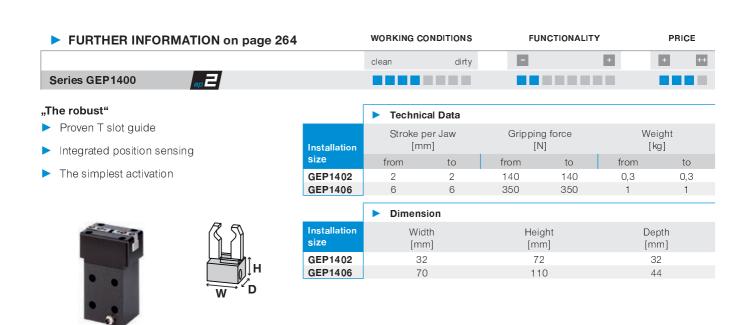


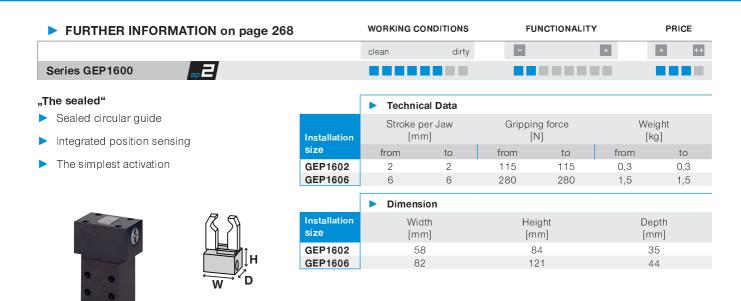
2-JAW PARALLEL GRIPPERS ELECTRICAL

2-JAW PARALLEL GRIPPERS

SERIES OVERVIEW







▶ 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

▶ THE BEST PRODUCT FOR YOUR APPLICATION



Our products love the challenge!

Extreme conditions, all over the world—our tried and tested components and systems give you limitless possibilities: Find the best product for your specific use: www.zimmer-group.de

HOW TO ORDER CORRECTLY

The product order numbers are arranged according to this diagram:

Order no.	GEP9002N		-В	
Grip direction closed		С		
Grip direction opened		0		

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

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

- mechanical self-locking at stop position

6 Mounting and positioning

- mounting possible from several sides for versatile positioning

7 Robust, lightweight housing

- hard coated aluminium alloy

8 Gripper jaw

- from high-strength, hard-anodized aluminium
- removable centering sleeves for individual gripper finger mounting

FURTHER INFORMATION IS AVAILABLE ONLINE



► Technical Information

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



Installation Size: GEP9002



Dimension		
Width	Height	Depth
[mm]	[mm]	[mm]
40	77.5	27



► Force and moment				
Mr	Mx	My	Fa	
[Nm]	[Nm]	[Nm]	[N]	
1.5	1.5	2.1	270	

	► Technical Data			
	Stroke perjaw	Gripping force [N] Weight		
Order no.	[mm]	min.	max.	[kg]
GEP9002NC-B	2	11	15	0.25
GEP9002NO-B	2	11	15	0.25

Gripping force diagram

[N] Gripping force as a function finger length. 12 ◆GEP9002NC →> <- min. GEP9002NO <--> min. 9. [mm] Colored area: increased wear and tear to be expected

Installation Size: GEP9004



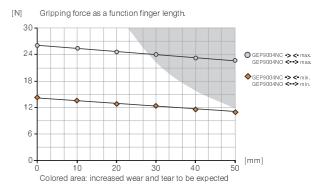
Dimension		
Width	Height	Depth
[mm]	[mm]	[mm]
51.5	99.5	35



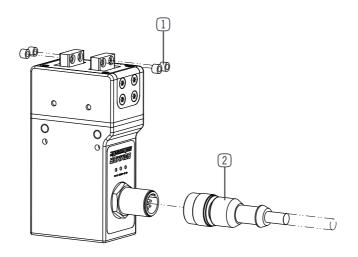
Force and moment				
Mr	Mx	My	Fa	
[Nm]	[Nm]	[Nm]	[N]	
2.7	2.7	4.3	335	

	► Technical Data			
	Stroke per jaw	er jaw Gripping force [N] Weig		
Order no.	[mm]	min.	max.	[kg]
GEP9004NC-B	4	14	26	0.57
GEP9004NO-B	4	14	26	0.57

Gripping force diagram



ACCESSORIES



	► Installation Size: GEP9002	
Pos.	Accessories	Order no.
2	Plug-in Connector Straight Cable 10 m - Female M12	KAG1000B8
2	Plug-in Connector Angled Cable 10 m - Female M12	KAW1000B8
	Busbox (see page 300)	ZUBBOX9000-01
	Delivery contents	Order no.
1	Centering Disc	BDST80320

	► Installation Size: GEP9004	
Pos.	Accessories	Order no.
2	Plug-in Connector Straight Cable 10 m - Female M12	KAG1000B8
2	Plug-in Connector Angled Cable 10 m - Female M12	KAW1000B8
	Busbox (see page 300)	ZUBBOX9000-01
	Delivery contents	Order no.
1	Centering Disc	BDST80320

▶ 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

▶ THE BEST PRODUCT FOR YOUR APPLICATION



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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 aluminium 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)

FURTHER INFORMATION IS AVAILABLE ONLINE



Technical Information

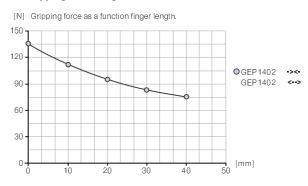
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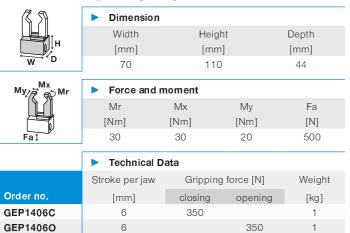
Installation Size: GEP1402



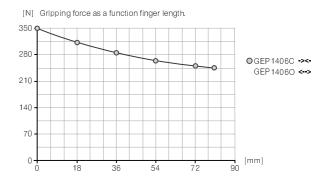
Gripping force diagram



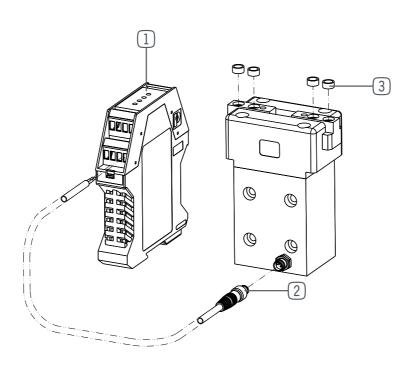
Installation Size: GEP1406



Gripping force diagram



ACCESSORIES



	► Installation Size: GEP1402	
Pos.	Accessories	Order no.
2	Plug-in connector Straight Cable 5m - Socket M8 (female)	KAG500
2	Plug-in connector Angled Cable 5m - Socket M8 (female)	KAW500
	Delivery contents	Order no.
1	Control	ELEGR01
(3)	Centerina Disc	BDST02900

	► Installation Size: GEP1406	
Pos.	Accessories	Order no.
2	Plug-in connector Straight Cable 5m - Socket M8 (female)	KAG500
2	Plug-in connector Angled Cable 5m - Socket M8 (female)	KAW500
	Delivery contents	Order no.
1	Control	ELEGR04
3	Centering Disc	BDST40800

▶ PRODUCT ADVANTAGES



"The airtight"

► IP67

The sealed circular guide guarantees process reliability even under the harshest conditions

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

▶ THE BEST PRODUCT FOR YOUR APPLICATION



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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 aluminium alloy

(4) Gripper jaw

- hardened steel
- individual gripper finger mounting

5 Guide

- sealed round guide for harsh environmental conditions

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)

FURTHER INFORMATION IS AVAILABLE ONLINE



Technical Information

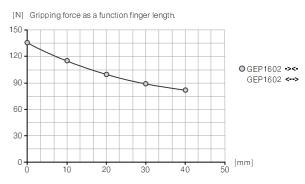
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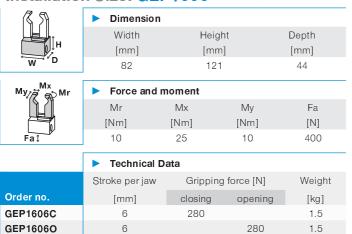
Installation Size: GEP1602



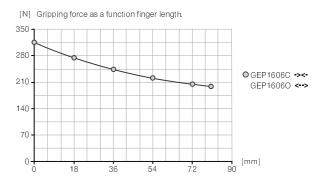
Gripping force diagram



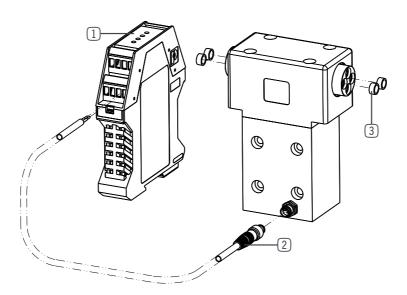
Installation Size: GEP1606



Gripping force diagram



ACCESSORIES



	► Installation Size: GEP1602	
Pos.	Accessories	Order no.
2	Plug-in connector Straight Cable 5m - Socket M8 (female)	KAG500
2	Plug-in connector Angled Cable 5m - Socket M8 (female)	KAW500

	► Installation Size: GEP1606	
Pos.	Accessories	Order no.
2	Plug-in connector Straight Cable 5m - Socket M8 (female)	KAG500
2	Plug-in connector Angled Cable 5m - Socket M8 (female)	KAW500
	Delivery contents	Order no.
1	Control	ELEGR04
3	Centering Disc	BDST40800