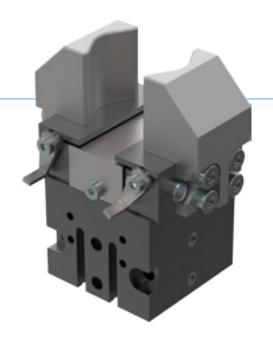
2-JAW PARALLEL GRIPPERS **SERIES GP**

PRODUCT ADVANTAGES



"The enduring"

Proven technology

We have more than 20 years of proven reliability, which ensures uninterrupted production for you

Very short cycle times

Low-friction circular guides enable very short cycle times and, therefore, high component output for your machine

► Failure-free continuous operation

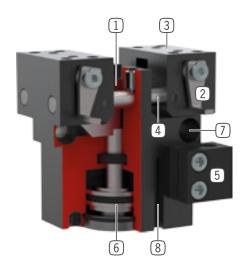
Our uncompromising "Made in Germany" quality guarantees up to 10 million maintenance-free cycles

> SERIES CHARACTERISTICS

Installation size	Version	
GPXXX	-C	s-c
Spring closing C		•
High-strength S		•
10 million maintenance-free cycles (max.)	•	•
+ thing inductive sensor	•	•
+ Magnetic field sensor	•	•
IP 30 IP30	•	•



BENEFITS IN DETAIL



1 Wedge hook mechanism

- synchronized the movement of the gripper jaws
- high force transfer

2 Adjustable switch cam

- for position sensing
- 3 Gripper jaw
 - individual gripper finger mounting
- 4 Roller slide
 - for low wear movement sequence
- 5 Mounting block
 - mounting for inductive proximity switch
- 6 Drive
 - double-acting pneumatic cylinder
- 7 Mounting and positioning
 - mounting possible from several sides for versatile positioning
- 8 Sensing slot
 - mounting and positioning of magnetic field sensors

TECHNICAL DATA

	Stroke per jaw	Gripping force	Weight	IP class
Installation size	[mm]	[N]	[kg]	
GP12	3	8,4	0.034	IP30
GP19	4	36	0.085	IP30
GP30	5	94	0.155	IP30
GP45	5	118 - 190	0.236 - 0.271	IP30
GP75	10	220 - 275	0.466 - 0.511	IP30
GP100	8 - 13	450 - 5250	1.295 - 1.311	IP30

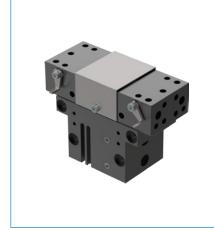
► FURTHER INFORMATION IS AVAILABLE ONLINE



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.

2-JAW PARALLEL GRIPPERS **INSTALLATION SIZE GP75**

PRODUCT SPECIFICATIONS

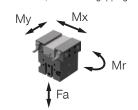


Gripping force diagram

[N] Shows the arithmetic total of the individual forces that occur on the gripper fingers, depending on the gripper finger length 300 240 ▲GP75S-C ><-180 O GP75-C <-->
◆GP75-C ><-120 Colored area: increased wear and tear to be expected

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]	5
Fa [N]	180

► INCLUDED IN DELIVERY



2 [piece] Mounting block KB8K

> RECOMMENDED ACCESSORIES



GRIPPING COMPONENTS



UB75

Universal iaw set aluminium



SENSORS



MFS01-S-KHC-P1-PNP

Magnetic field sensor angled, cable 0.3 m - M8 connector





ENERGY SUPPLY



GV1-8X8

Straight Fittings - Quick Connect Style



MFS02-S-KHC-P1-PNP

Magnetic field sensor straight, cable 0.3 m - M8 connector





WV1-8X8

Angled Fittings - Quick Connect Style



MFS01-S-KHC-P2-PNP

MFS02-S-KHC-P2-PNP

2-point sensor angled, cable 0.3 m - M8 connector

2-point sensor straight, cable 0.3 m - M8 connector





DEV08

Quick Exhaust Valve



CONNECTIONS / OTHER



KAG500

Plug-in connector Straight Cable 5m - Socket M8





NJ8-E2

SENSORS

Inductive proximity switch - Cable 5 m



ZE20H7X4 Centering Disc



NJ8-E2S

Inductive proximity switch - Connector M8



	► Technical data	
Order no.	GP75-C	GP75S-C
Stroke per jaw [mm]	10	10
Gripping force in closing [N]	220	275
Gripping force in opening [N]	260	
Gripping force secured by spring min. [N]		63
Closing time [s]	0.03	0.04
Opening time [s]	0.03	0.04
Repetition accuracy +/- [mm]	0.05	0.05
Operating pressure min. [bar]	3	5
Operating pressure max. [bar]	8	8
Nominal operating pressure [bar]	6	6
Operating temperature min. [°C]	+5	+5
Operating temperature max. [°C]	+80	+80
Air volume per cycle [cm³]	13	19
Weight [kg]	0.45	0.5

