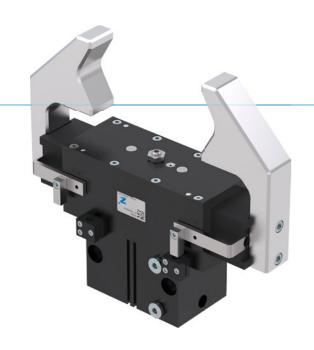
# 2-JAW PARALLEL GRIPPERS **SERIES GP200**

## **▶ PRODUCT ADVANTAGES**



## "The variable"

## Smooth stroke configuration

An adjusting screw allows you to adjust the stroke to your specific application

## Proven technology

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

## Dirt protection

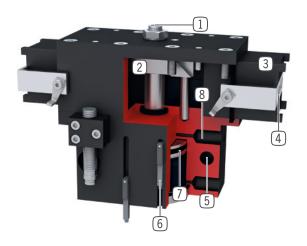
Using the scrapers on the guides, you can reliably use the gripper even under the harshest conditions

## > SERIES CHARACTERISTICS

Installation size	Version			
GP2XX		-99	S	S-99
Spring closing C	•		•	
High-strength S			•	•
10 million maintenance-free cycles (max.)	•	•	•	•
+ W Inductive sensor	•	•	•	•
+ Magnetic field sensor	•	•	•	•
Purged air	•	•	•	•
IP 40 IP40	•	•	•	•



## **BENEFITS IN DETAIL**



## 1 Stroke adjustment

- infinitely adjustable in "open" movement
- adjusting screw in delivery

## 2 Wedge hook mechanism

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

#### 3 Square guide

- high forces and moments capacity

#### 4 Gripper jaw

- individual gripper finger mounting

## 5 Mounting and positioning

- mounting possible from several sides for versatile positioning

## 6 Sensing slot

- mounting and positioning of magnetic field sensors

## 7 Drive

- double-acting pneumatic cylinder

## 8 Energy supply

- possible from several sides

## **► TECHNICAL DATA**

	Stroke per jaw	Gripping force	Weight	IP class
Installation size	[mm]	[N]	[kg]	
GP224	6 - 12	170 - 335	0,33	IP40
GP240	8 - 20	510 - 1290	1,2	IP40
GP260	10 - 30	800 - 2480	2,9	IP40
GP280	15 - 40	1690 - 4500	8,3	IP40

## ► FURTHER INFORMATION IS AVAILABLE ONLINE



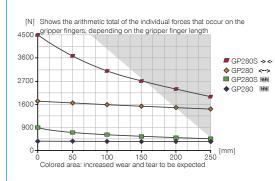
All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

# 2-JAW PARALLEL GRIPPERS **INSTALLATION SIZE GP280**

## 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]	40
Mx [Nm]	75
My [Nm]	40
Fa [N]	1000

## **► INCLUDED IN DELIVERY**



2 [piece] Mounting block KB8-23

## RECOMMENDED ACCESSORIES



## **ENERGY SUPPLY**



## **SENSORS**



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



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



#### DEV08

Quick Exhaust Valve



#### MFS02-S-KHC-P2-PNP

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





#### DSV1-8E

Pressure safety valve with quick exhaust



### MFS02-S-KHC-IL

**CONNECTIONS / OTHER** 

Position sensor straight, cable 0.3 m - connector





## **SENSORS**



#### NJ8-E2S

Inductive proximity switch - Connector M8



#### KAG500







#### MFS01-S-KHC-P1-PNP

Magnetic field sensor angled, cable 0.3 m - M8 connector





#### ZE45H7X6

Centering Disc

	Technical data			
Order no.	GP280	GP280-99	GP280S	GP280S-99
Stroke per jaw [mm]	40	40	15	15
Gripping force in closing [N]	1690	1390	4500	3690
Gripping force in opening [N]		1390		3690
Gripping force secured by spring min. [N]	300		810	
Closing time [s]	0.25	0.2	0.25	0.2
Opening time [s]	0.25	0.2	0.25	0.2
Repetition accuracy +/- [mm]	0.05	0.05	0.05	0.05
Operating pressure min. [bar]	5	5	5	5
Operating pressure max. [bar]	10	10	10	10
Nominal operating pressure [bar]	6	6	6	6
Operating temperature min. [°C]	+5	+5	+5	+5
Operating temperature max. [°C]	+80	+80	+80	+80
Air volume per cycle [cm³]	300	300	300	300
Protection to IEC 60529	IP40	IP40	IP40	IP40
Weight [kg]	8.3	8.1	8.3	8.1

