

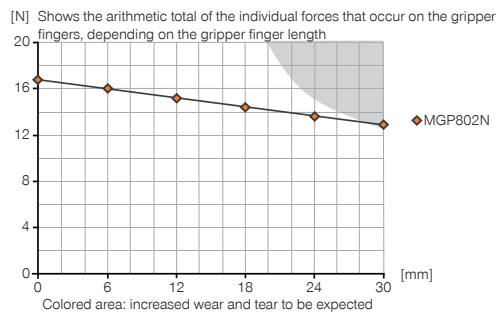
# 2-JAW PARALLEL GRIPPERS

## INSTALLATION SIZE MGP802

### PRODUCT SPECIFICATIONS

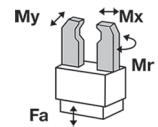


#### Gripping force diagram



#### Forces and moments

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



Mr [Nm]	1
Mx [Nm]	3
My [Nm]	2
Fa [N]	90

### INCLUDED IN DELIVERY



Centering Disc

DST80200

### RECOMMENDED ACCESSORIES



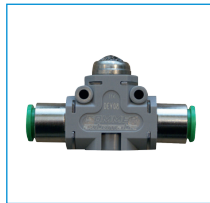
Straight Fittings - Barb Style Connection

GVM3



Angled Fittings - Barb Style Connection

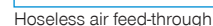
WVM3



Quick Exhaust Valve

DEV04

\*All data measured at 6 bar



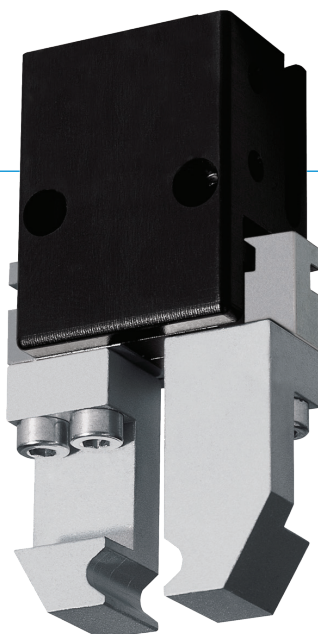
# 2-JAW PARALLEL GRIPPERS

## SERIES MGP800

1

Series MGP800 / 2-Jaw Parallel Grippers / pneumatic / Grippers

### ▶ PRODUCT ADVANTAGES



#### “The powerful”

- ▶ **Over 40% more powerful than the benchmark**  
Optimisation of weight and force reduces your application costs since all components can have a smaller scale
- ▶ **Gripper jaws up to 50% longer than the benchmark**  
The highest force and torque measurement enables flexible use for maximum dynamics
- ▶ **Failure-free continuous operation**  
Our uncompromising „Made in Germany“ quality guarantees up to 10 million maintenance-free cycles

### ▶ THE BEST PRODUCT FOR YOUR APPLICATION



- ▶ **Our products welcome the challenge!**  
Extreme conditions, all over the world—our tried and tested components and systems give you endless possibilities.  
Find the best product for your specific use:  
[www.zimmer-group.de](http://www.zimmer-group.de)

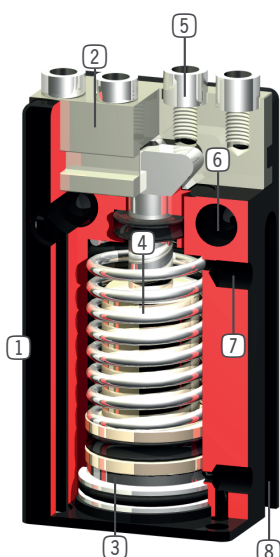
#### HOW TO ORDER CORRECTLY

- ▶ The product order numbers are arranged according to this diagram:

Order no.	MGP803N	<input type="checkbox"/>		
For external gripping, self-locking, spring closing			C	



## ► BENEFITS IN DETAIL



- ① **Robust, lightweight housing**  
- Hard-coated aluminum alloy
- ② **Gripper jaw**  
- individual gripper finger mounting
- ③ **Position sensing**  
- permanent magnet for direct monitoring of piston movement
- ④ **Integrated gripping force safety device**  
- spring integrated into cylinder as energy storage (from size 803 upwards)
- ⑤ **Removable centering sleeves**  
- quick and economical positioning of the gripper fingers
- ⑥ **Mounting and positioning**  
- mounting possible from several sides for versatile positioning
- ⑦ **Energy supply**  
- possible from several sides
- ⑧ **Sensing slot**  
- mounting and positioning of magnetic field sensors

## ► SERIES CHARACTERISTICS



Number of installation sizes	8
Stroke per jaw	1 mm - 12 mm
Gripping force	6 N - 400 N
Weight	0,008 kg - 0,46 kg
AP class	2



10 million maintenance-free cycles (max.)



Spring closing C



IP40



Magnetic field sensor