

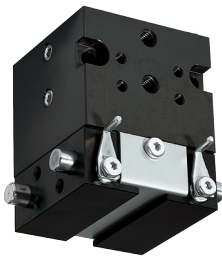
2-JAW PARALLEL GRIPPERS

INSTALLATION SIZE GP45

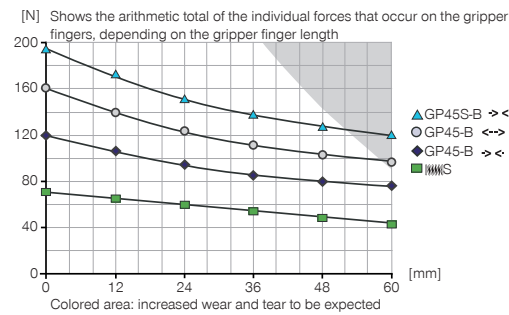
1

Installation size GP45 / 2-Jaw Parallel Grippers / pneumatic / Grippers

▶ PRODUCT SPECIFICATIONS

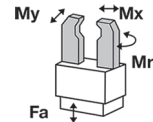


▶ Gripping force diagram



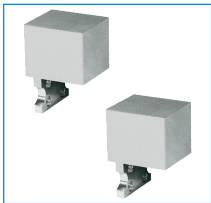
▶ Forces and moments

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



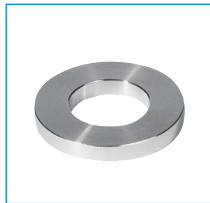
Mr [Nm]	4
Mx [Nm]	4
My [Nm]	4
Fa [N]	160

▶ RECOMMENDED ACCESSORIES



Universal Jaw Aluminium

UB45



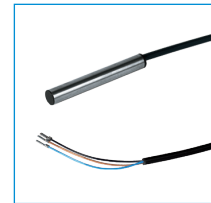
Centering Disc

ZE20H7X4



Mounting block

KB6.5



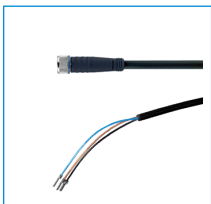
Inductive proximity switch
- Cable 5 m

NJ6.5-E2-01



Inductive proximity switch
- Connector M8

NJ6.5-E2S



Plug-in connector Straight Cable 5m - Socket M8 (female)

KAG500



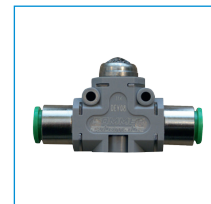
Straight Fittings - Quick Connect Style

GVM5



Angled Fittings - Quick Connect Style

WVM5

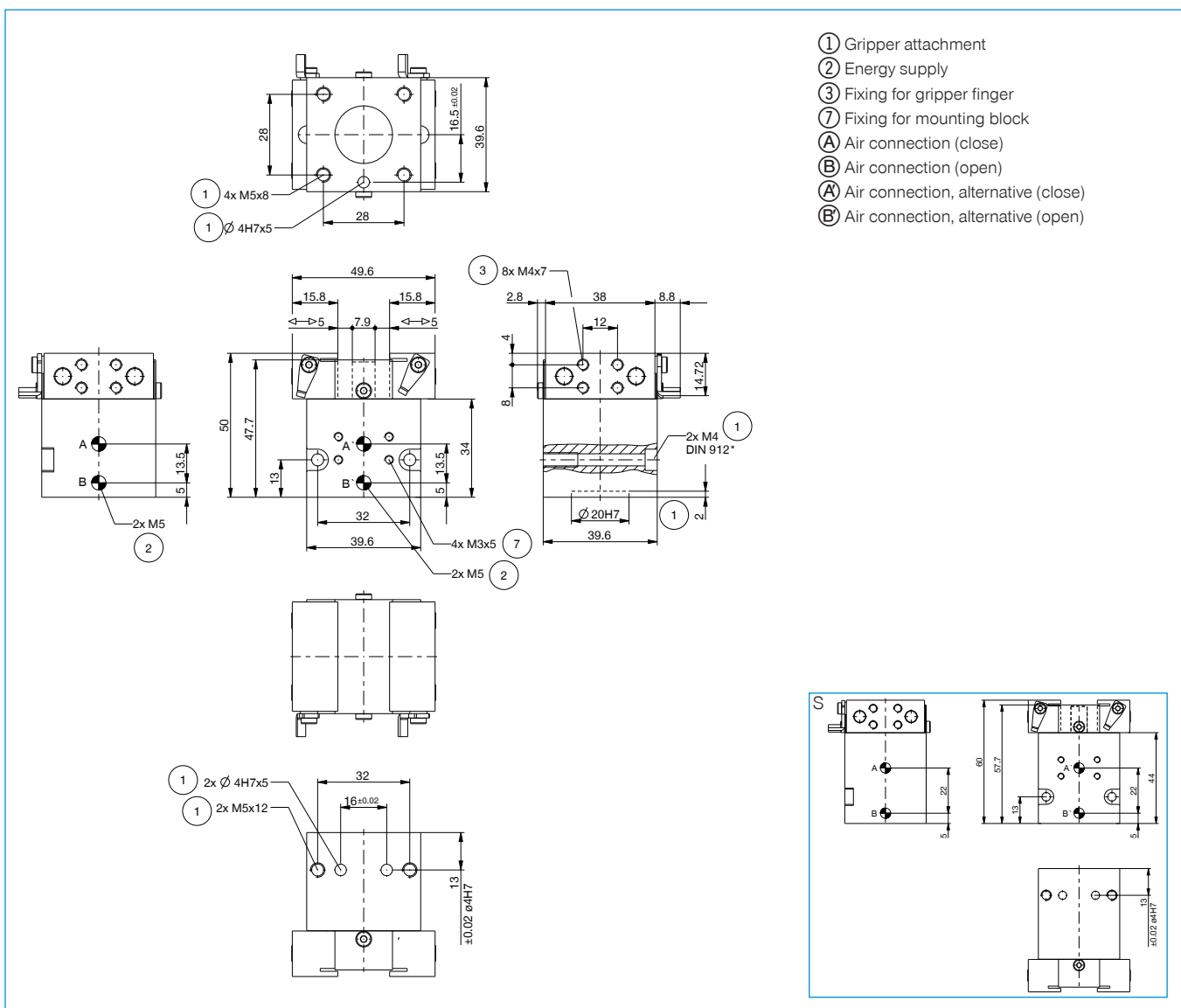


Quick Exhaust Valve

DEV04

Order no.	▶ Technical Data*	
	GP45-B	GP45S-B
Stroke per jaw [mm]	5	5
Gripping force in closing [N]	118	190
Gripping force in opening [N]	155	
Gripping force secured by spring min. [N]		75
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
Operating temperature min. [°C]	5	5
Operating temperature max. [°C]	+80	+80
Air volume per cycle [cm ³]	4	8
Weight [kg]	0.255	0.3

*All data measured at 6 bar



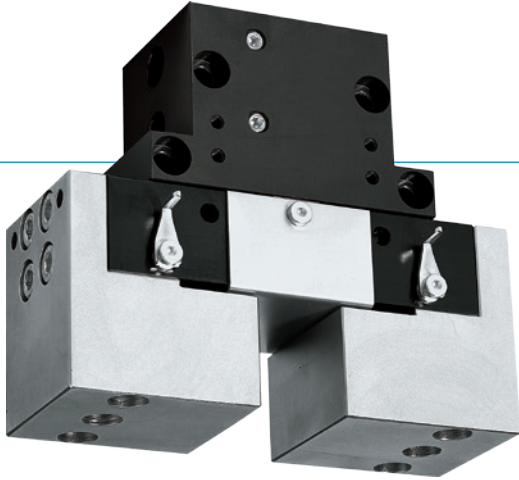
2-JAW PARALLEL GRIPPERS

SERIES GP

1

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

▶ PRODUCT ADVANTAGES



“The enduring”

▶ Proven technology

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

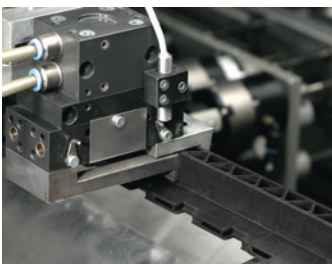
▶ Very short cycle times

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

▶ 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

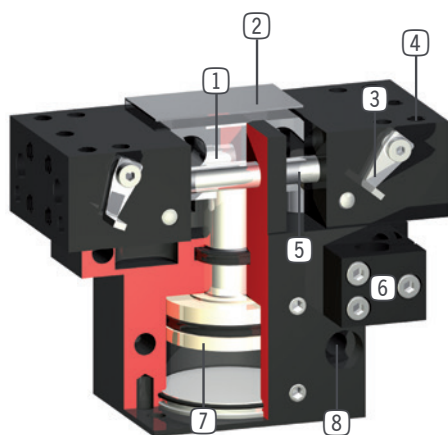
HOW TO ORDER CORRECTLY

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

Order no.	GP45	<input type="checkbox"/>	-B	
For external gripping, self-locking, spring closing		S		
Without intergrated spring				-99



► BENEFITS IN DETAIL



- ① **Wedge hook mechanism**
 - synchronized the movement of the gripper jaws
 - high force transfer
- ② **Cover plate**
 - to protect the guide and mechanics (from GP45)
- ③ **Adjustable switch cam**
 - for position sensing
- ④ **Gripper jaw**
 - individual gripper finger mounting
- ⑤ **Roller slide**
 - for low wear movement sequence
- ⑥ **Mounting block**
 - mounting for inductive proximity switch
- ⑦ **Drive**
 - double-acting pneumatic cylinder
- ⑧ **Mounting and positioning**
 - mounting possible from several sides for versatile positioning

► SERIES CHARACTERISTICS



Number of installation sizes	6
Stroke per jaw	3 mm - 13 mm
Gripping force	4 N - 5250 N
Weight	0,033 kg - 1,4 kg
AP class	2



10 million maintenance-free cycles (max.)



Spring closing C



Inductive sensor



IP30