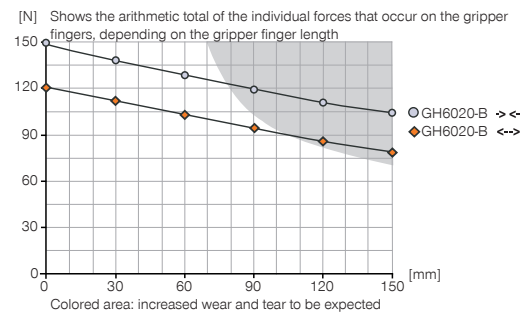


2-JAW PARALLEL GRIPPERS WITH LONG STROKE INSTALLATION SIZE GH6020

PRODUCT SPECIFICATIONS

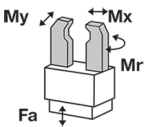


Gripping force diagram



Forces and moments

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



Mr [Nm]	20
Mx [Nm]	20
My [Nm]	20
Fa [N]	500

INCLUDED IN DELIVERY



Centering Disc

DST40400



Flow Control Valves - with Swivel joint

DRVM5X4

RECOMMENDED ACCESSORIES



Universal Jaw Aluminium

UB6000-B



Magnetic field sensor Angled Cable 5 m

MFS103KHC



Magnetic field sensor Angled Cable 0,3 m - Connector M8

MFS103SKHC



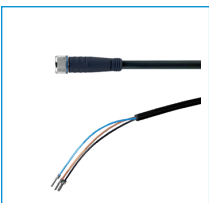
Magnetic field sensor Straight Cable 5 m

MFS204KHC



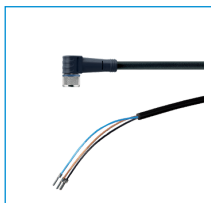
Magnetic field sensor Straight Cable 0,3 m - Connector M8

MFS204SKHC



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

KAG500



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

KAW500



Plug-in connector customizable Straight - Connector M8

S8-G-3



Plug-in connector customizable Straight - Connector M12

S12-G-3

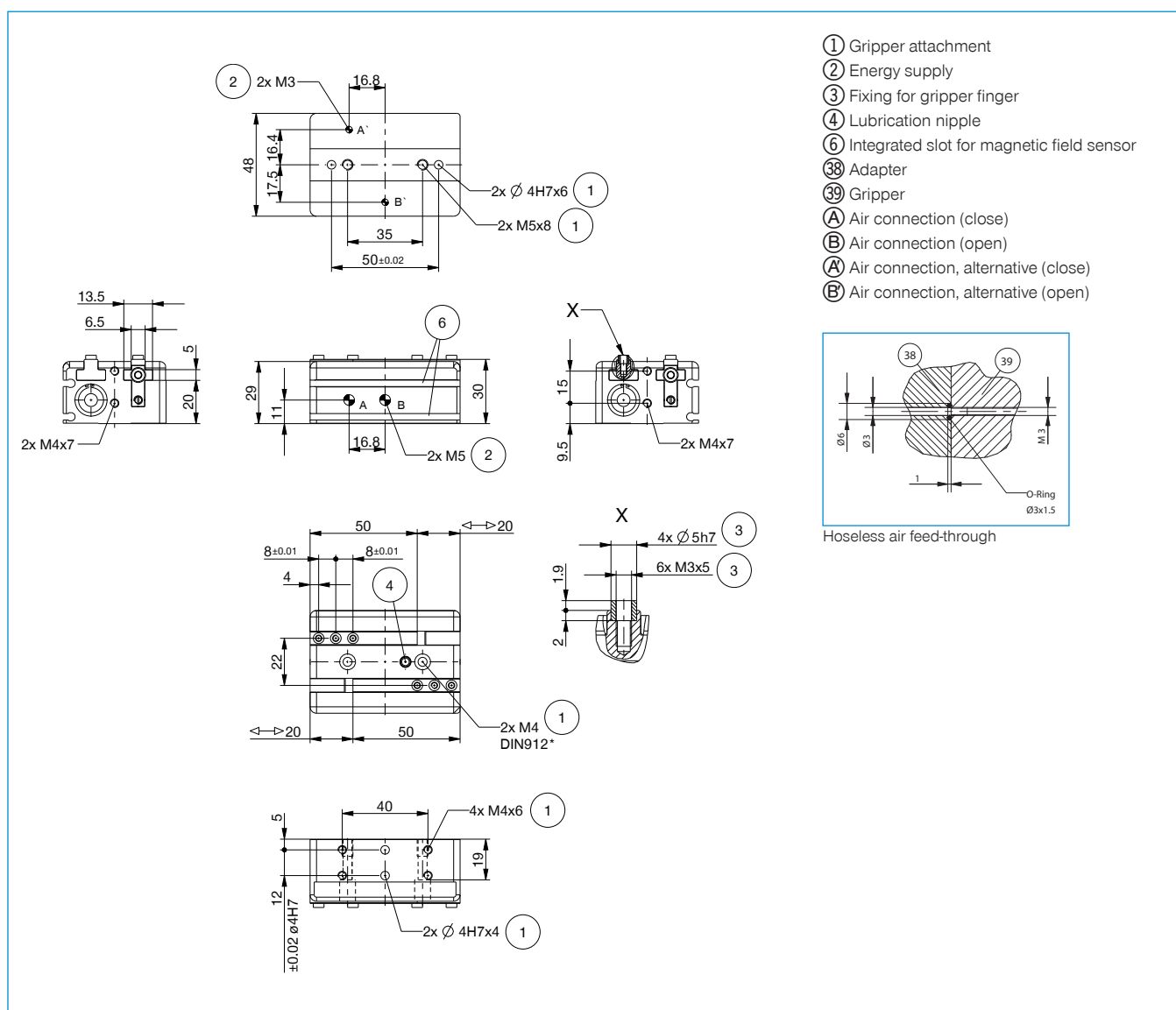


Pressure Safety Valve

DSV1-8

Order no.	Technical Data*
Stroke per jaw [mm]	20
Gripping force in closing [N]	150
Gripping force in opening [N]	120
Closing time [s]	0.1
Opening time [s]	0.1
Repetition accuracy +/- [mm]	0.05
Operating pressure min. [bar]	3
Operating pressure max. [bar]	8
Operating temperature min. [°C]	5
Operating temperature max. [°C]	+80
Air volume per cycle [cm³]	12
Weight [kg]	0.3

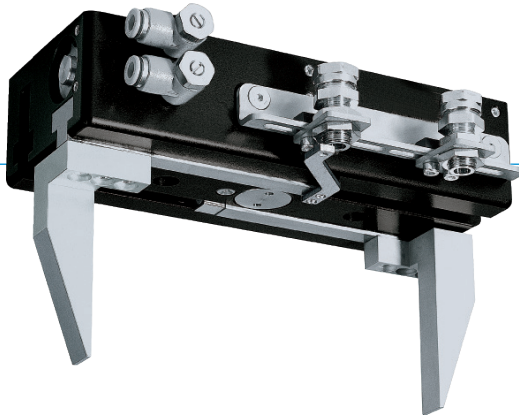
*All data measured at 6 bar



2-JAW PARALLEL GRIPPERS WITH LONG STROKE SERIES GH6000

1

▶ PRODUCT ADVANTAGES



“The robust”

▶ Gripper jaws may be up to 25% longer in comparison to the benchmark

The highest force and torque measurement enables flexible for maximum dynamics

▶ Over 30% more powerful than the benchmark

Optimisation of weight and force reduces your application costs since all components can have a smaller scale

▶ 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!

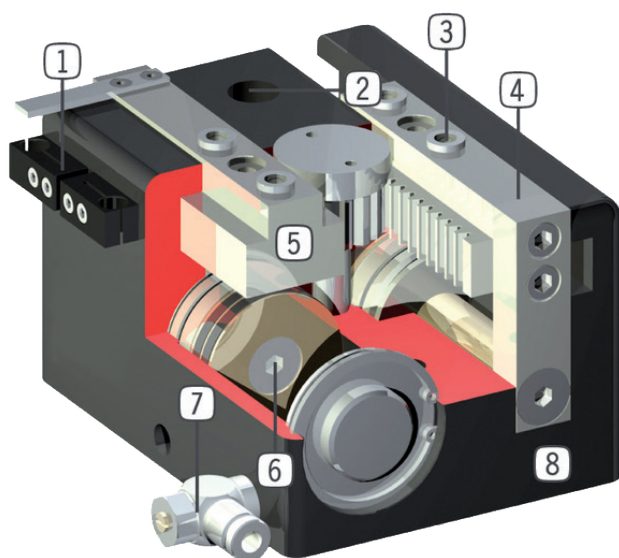
Extreme conditions, all over the world—our tried and tested components and systems give you endless possibilities.

Find the best product for your specific use:

www.zimmer-group.de

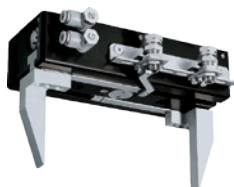


► BENEFITS IN DETAIL



- ① **Mounting block**
 - mounting for inductive proximity switch
- ② **Mounting and positioning**
 - mounting possible from several sides for versatile positioning
- ③ **Removable centering sleeves**
 - quick and economical positioning of the gripper fingers
- ④ **Gripper jaw**
 - individual gripper finger mounting
- ⑤ **Precise long T-Slot guides**
 - high forces and moments capacity
- ⑥ **Drive**
 - two double-acting pneumatic cylinders
 - synchronized by gearwheel
- ⑦ **Energy supply**
 - possible from several sides
 - CAUTION: always operate long stroke gripper with supplied exhaust air flow control valve (speed regulation)
- ⑧ **Robust, lightweight housing**
 - Hard-coated aluminum alloy

► SERIES CHARACTERISTICS



Number of installation sizes	5
Stroke per jaw	20 mm - 200 mm
Gripping force	120 N - 3400 N
Weight	0,3 kg - 23,8 kg
AP class	3



10 million maintenance-free cycles (max.)



Inductive sensor



IP40



Magnetic field sensor