

NEEDLE GRIPPER

INSTALLATION SIZE ST36

1

▶ PRODUCT SPECIFICATIONS



▶ RECOMMENDED ACCESSORIES



Magnetic field sensor
Angled Cable 5 m

MFS103KHC



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

MFS103SKHC



Straight Fittings - Quick
Connect Style

GVM5



Plug-in connector
customizable Straight -
Connector M8

S8-G-3

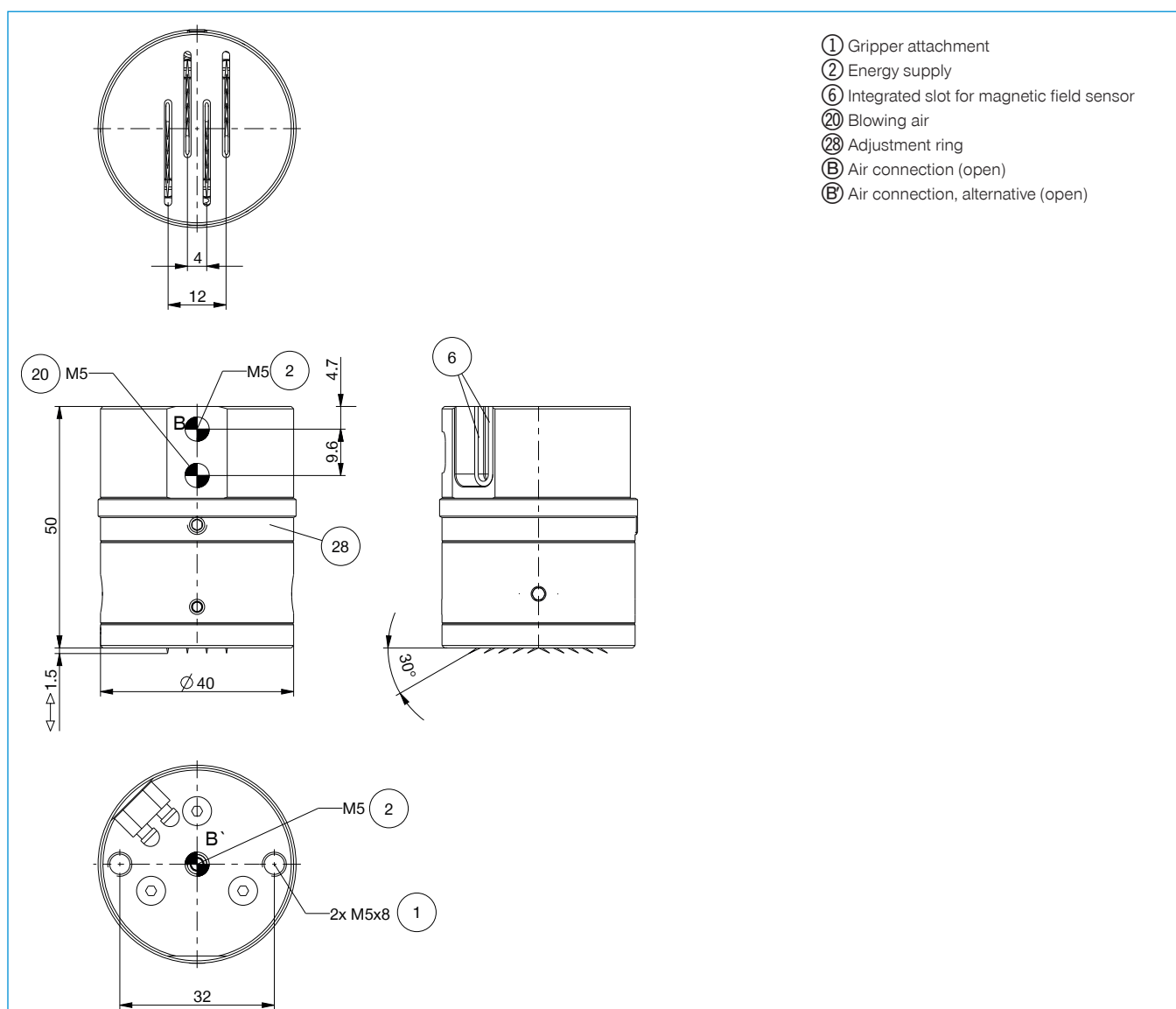


Plug-in connector
customizable Straight -
Connector M12

S12-G-3

Order no.	Technical Data*
Needle stroke adjustable min. [mm]	0
Needle stroke adjustable max. [mm]	1.5
Number of needles [Pice]	20
Needle diameter [mm]	0.7
Retract time / Extend time [s]	0.03
Repetition accuracy +/- [mm]	0.05
Operating pressure min. [bar]	4
Operating pressure max. [bar]	8
Operating temperature min. [°C]	5
Operating temperature max. [°C]	+80
Air volume per cycle [cm³]	1
Weight [kg]	0.21

*All data measured at 6 bar



NEEDLE GRIPPER SERIES ST

1

Series ST / Needle gripper / pneumatic / Grippers

▶ PRODUCT ADVANTAGES



▶ Smooth stroke configuration

Customise the stroke for your application with infinitely variable adjustment using an adjusting dial

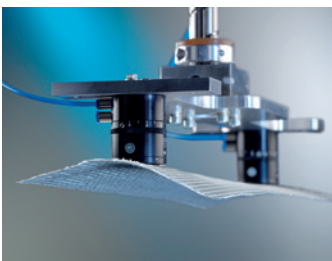
▶ Workpiece drain function

This function guarantees the quick and reliable deposit of the workpiece and prevents disruptions to the process sequence

▶ Query about magnetic field sensor technology

Detecting the end position allows you to have shorter cycle times and an integrated control system

▶ THE BEST PRODUCT FOR YOUR APPLICATION



▶ Our products welcome the challenge!

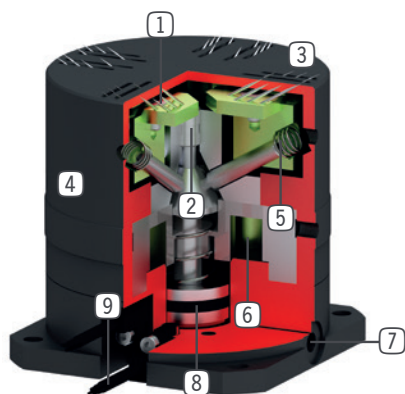
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► BENEFITS IN DETAIL



- ① **Extending needles**
- gripping by penetration
- ② **Force transfer**
- via hardened steel taper pin
- ③ **Needle wiper**
- helps wiping the workpiece
- ④ **Stroke adjustment**
- adjustment of the needle stroke
- ⑤ **Integrated spring**
- for return
- ⑥ **Blow off air connection**
- to reject the workpiece with air
- ⑦ **Energy supply**
- possible from several sides (size ST40)
- ⑧ **Drive**
- single-acting pneumatic cylinder with spring return
- ⑨ **Sensing slot**
- mounting and positioning of magnetic field sensors

► FURTHER INFORMATION IS AVAILABLE ONLINE



► Technical Information

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.

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