

## Magnetic gripper

SGM-S 40 G1/4-IG NPN

Part no.:10.01.17.00217

<https://www.schmalz.com/10.01.17.00217>

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### Magnetic gripper for handling metal sheets with holes



Size: 40

Socket: G1/4"-F

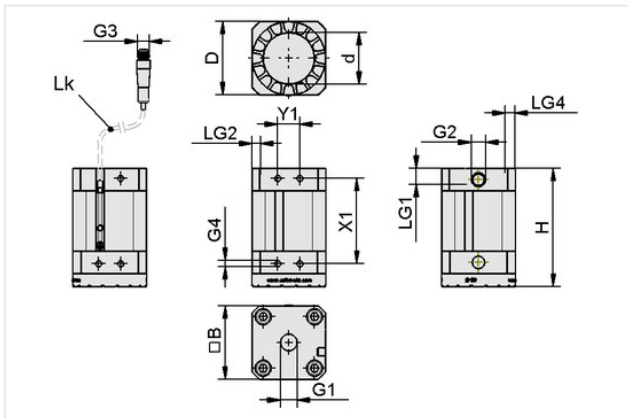
Holding force max. friction ring: 100 N

Pressure range (operating pressure): 3.5 ... 6.0 bar

Add. function: Sensor NPN

Electrical connection: Male connect M12, 4 pol

### Design Data



| Attribute | Value    |
|-----------|----------|
| B         | 40.65 mm |
| D         | 40 mm    |
| d         | 26 mm    |
| G1        | G1/4"-F  |
| G2        | G1/8"-F  |
| G3        | M12x1-M  |
| G4        | M4-F     |
| H         | 70.20 mm |
| LG1       | 11 mm    |
| LG2       | 6 mm     |
| LG4       | 7 mm     |
| Lk        | 300 mm   |
| X1        | 46 mm    |
| Y1        | 12 mm    |

### Technical Data

| Attribute                           | Value           |
|-------------------------------------|-----------------|
| Holding force max. friction ring    | 100 N           |
| Remaining force                     | 0.30 N          |
| Pressure range (operating pressure) | 3.5 ... 6.0 bar |
| Installation position               | BEL             |

### Contact Schmalz

Schmalz Vacuum Technology Ltd. | 14-2900 Argentia Rd, L5N 7X9 Mississauga, ON, Canada | +1 905 569 9520 | [schmalz@schmalz.ca](mailto:schmalz@schmalz.ca)

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|                       |             |
|-----------------------|-------------|
| Control valve         | Bistable    |
| Operating temperature | 5 ... 70 °C |
| Weight                | 255 g       |
| Product family        | SGM         |

Note: Holding force: The value given is a statistical value with no safety factor; based on a plate with a thickness of 2 mm. For system configurations with magnetic grippers SGM, a safety factor of  $S = 3$  must be applied

### Accessories



#### HTS-A2 SGM 30/40 OP

Part no.:10.01.17.00581

Connection 1: Bolt with slot Ø19mm

Construction use: Magnetic gripper

Size: 30/40



#### HTS-A3 SGM 30/40 OP

Part no.:10.01.17.00558

Connection 1: Ball head 28.5 mm

Construction use: Magnetic gripper

Size: 30/40

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### HTS-A2 D SGM 30/40 OP

Part no...:10.01.17.00586

Connection 1: Bolt with slot  $\varnothing 19\text{mm}$

Construction use: Magnetic gripper

Size: 30/40

Shape: Double block



### HTS-A3 D SGM 30/40 OP

Part no...:10.01.17.00582

Connection 1: Ball head 28.5 mm

Construction use: Magnetic gripper

Size: 30/40

Shape: Double block



### HPS-SGM 2M6 30/40 OP

Part no...:10.01.17.00655

Construction use: Magnetic gripper

Connection 1: 2x screws M6

Size: 30/40

Shape: One-piece

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### ASK B-M12-5 5000 K-5P

Part no...:21.04.05.00080

Electrical connection: Fem connect M12, 5 pol

Cable length: 5,000 mm

Material hose: PUR cable



### STV-GE G1/8-AG 6

Part no...:10.08.02.00204

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Brass

Operating temperature: -20 ... 80 °C

External diameter D: 11.4 mm

Length L: 16.4 mm



### STV-W G1/8-AG 6

Part no...:10.08.02.00158

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Nickel plated

Operating temperature: -20 ... 80 °C

Length L: 20.1 mm

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### VSL 6-4 PU MI-TR

Part no.:10.07.09.00002

External diameter D: 6 mm

Internal diameter d: 4 mm

Length max.: 500 m

Material hose: PU

Bending radius min.: 35 mm

Pressure range (operating pressure): -0.95 ... 10.00 bar

Operating temperature: -20 ... 90 °C

## Spare parts



### REIB-RING SGM 40 PU-55

Part no.:10.01.17.00137

Construction use: Magnetic gripper

Size: 40

External diameter D: 40 mm

Internal diameter d: 26 mm



### NAEH-SCHA SMAGN-NPN S050

Part no.:10.01.17.00215

Construction shape vacuum switch: Magn. cylind. sensor - NPN

Voltage DC: 12-30V DC

Electrical connection: Male connect M12, 4 pol

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