

Magnetic Grippers

SGM 70 G1/4-IG

Part no.:10.01.17.00165

<https://www.schmalz.com/10.01.17.00165>



Homepage > Vacuum Technology for Automation > Vacuum Components > Special Grippers > Magnetic gripper > Magnetic Grippers SGM > SGM 70 G1/4-IG

Magnetic gripper for handling metal sheets with holes



Size: 70

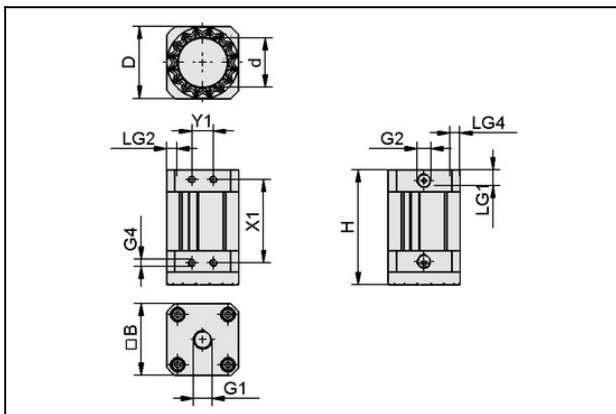
Socket: G1/4"-F

Holding force max friction ring: 290 N

Pressure range (operating pressure):

3.5 ... 6.0 bar

Design Data



Attribute	Value
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B	68.7 mm
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D	68 mm
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d	51 mm
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G1	G1/4"-IG
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G2	G1/8"-F
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G4	M5-F
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H	80.2 mm
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LG1	11 mm
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LG2	6 mm
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LG4	8 mm
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X1	58 mm
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Y1	15 mm
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Technical Data

Attribute	Value
Remaining force	0.3 N
Pressure range (operating pressure)	3.5 ... 6.0 bar
Installation position	Any
Control valve	Bistabil
Operating temperature	5 ... 70 °C
Weight	715 g

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

Spare Parts



REIB-RING SGM 70 PU-55

Part no.10.01.17.00139

Friction ring

for: Magnetic gripper

Size: 70

External diameter D: 68 mm

Internal diameter d: 51 mm

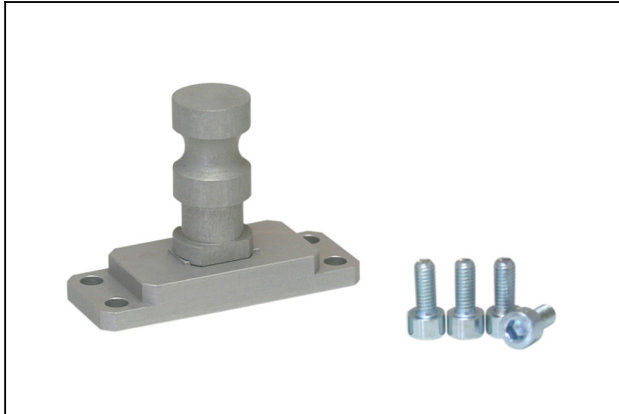
Accessories

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HTS-A2 SGM 50/70

Part no.10.01.17.00172

Holder system

Cross-beam connection:

Bolt with slot Ø19mm

for: Magnetic gripper

Size: 50/70



HTS-A3 SGM 50/70

Part no.10.01.17.00173

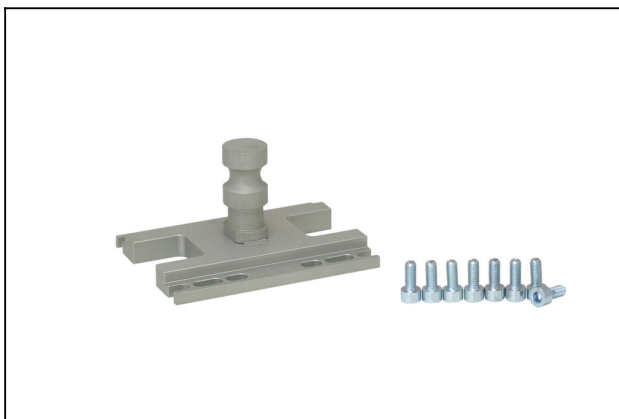
Holder system

Cross-beam connection:

Ball head 28.5 mm

for: Magnetic gripper

Size: 50/70



HTS-A2 D SGM 50/70

Part no.10.01.17.00178

Holder system

Cross-beam connection:

Bolt with slot Ø19mm

Shape: Double block

for: Magnetic gripper

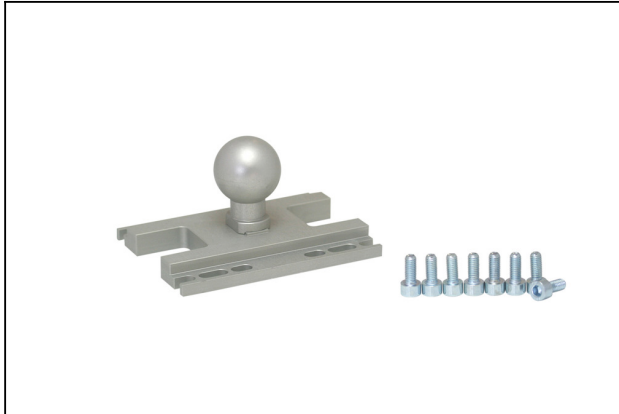
Size: 50/70

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HTS-A3 D SGM 50/70

Part no.10.01.17.00179

Holder system

Cross-beam connection:

Ball head 28.5 mm

Shape: Double block
for: Magnetic gripper

Size: 50/70



STV-GE G1/8-AG 6

Part no.10.08.02.00204

Push-in Fitting, straight

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -20 ... 80 °C



STV-W G1/8-AG 6

Part no.10.08.02.00158

Push-in Fitting, swivelling elbow

Thread G1: G1/8"-M

External hose diameter: 6 mm

Material: Brass, nickel-plated

Ambient temperature: -20 ... 80 °C

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VSL 6-4 PU

Part no.10.07.09.00002

Hose for vacuum and compressed-air systems

External diameter D: 6 mm

Internal diameter d: 4 mm

Length (max): 500 m

Material: PU

Installation radius (min): 35 mm

Pressure range (operating pressure):

-0.95 ... 10.00 bar

Ambient temperature: -20 ... 90 °C