Magnetic gripper

SGM 70 G1/4-IG

Part no..:10.01.17.00165

https://www.schmalz.com/10.01.17.00165

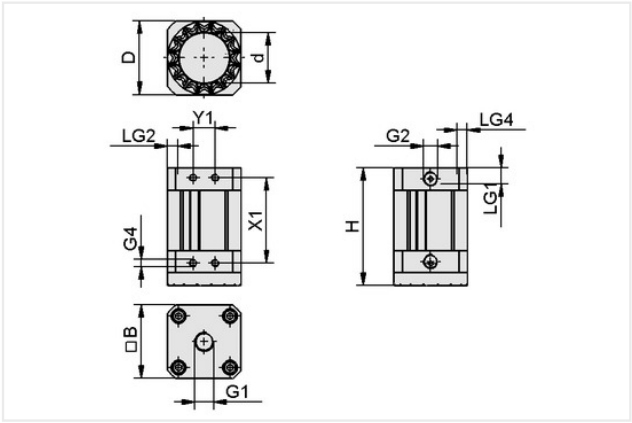
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Magnetic gripper for handling metal sheets with holes



- 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
B	68.75 mm
D	68 mm
d	51 mm
G1	G1/4"-F
G2	G1/8"-F
G4	M5-F
H	80.20 mm
LG1	11 mm
LG2	6 mm
LG4	8 mm
X1	58 mm
Y1	15 mm

Technical Data

Attribute	Value
Holding force max. friction ring	290 N
Remaining force	0.30 N
Pressure range (operating pressure)	3.5 ... 6.0 bar
Installation position	BEL
Control valve	Bistable
Operating temperature	5 ... 70 °C

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Weight	715 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 50/70 OP

Part no..:10.01.17.00578

Connection 1: Bolt with slot Ø19mm
Construction use: Magnetic gripper
Size: 50/70



HTS-A2 D SGM 50/70 OP

Part no..:10.01.17.00587

Connection 1: Bolt with slot Ø19mm
Construction use: Magnetic gripper
Size: 50/70
Shape: Double block

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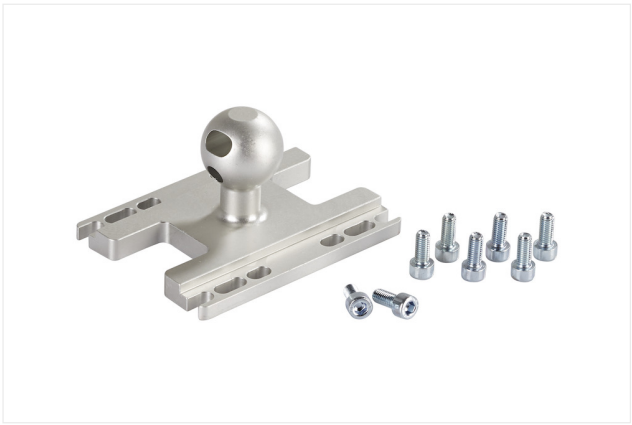
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HTS-A3 SGM 50/70 OP

Part no..:10.01.17.00576

Connection 1: Ball head 28.5 mm
Construction use: Magnetic gripper
Size: 50/70



HTS-A3 D SGM 50/70 OP

Part no..:10.01.17.00583

Connection 1: Ball head 28.5 mm
Construction use: Magnetic gripper
Size: 50/70
Shape: Double block



HPS-SGM 2M8 50/70 OP

Part no..:10.01.17.00653

Construction use: Magnetic gripper
Connection 1: 2x screws M8
Size: 50/70
Shape: One-piece



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

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

Magnetic gripper

SGM 70 G1/4-IG

Part no..:10.01.17.00165

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REIB-RING SGM 70 PU-55

Part no..:10.01.17.00139

Construction use: Magnetic gripper
Size: 70
External diameter D: 68 mm
Internal diameter d: 51 mm