

Magnetic gripper

SGM-HD-S 50 G1/4-IG PNP

Part no.:10.01.17.00270

<https://www.schmalz.com/10.01.17.00270>

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Magnetic gripper for handling metal sheets with holes



Size: 50

Socket: G1/4"-F

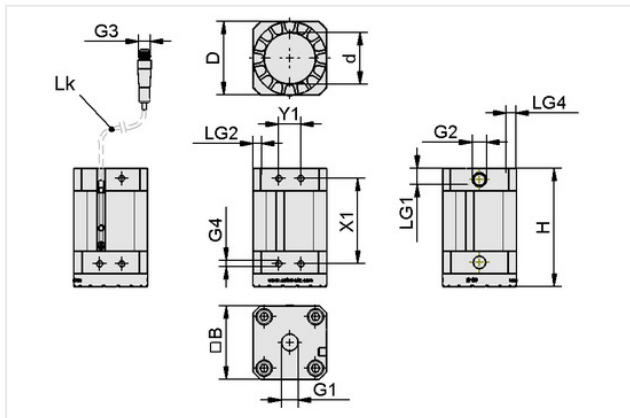
Holding force max. friction ring: 180 N

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

Add. function: Sensor PNP

Electrical connection: Male connect M12, 4 pol

Design Data



Attribute	Value
B	50.70 mm
D	50 mm
G1	G1/4"-F
G2	G1/8"-F
G3	M12x1-M
G4	M5-F
H	80.20 mm
LG1	11 mm
LG2	6 mm
LG4	7 mm
Lk	300 mm
X1	58 mm
Y1	15 mm

Technical Data

Attribute	Value
Holding force max. friction ring	180 N
Remaining force	0.30 N
Pressure range (operating pressure)	3.5 ... 6.0 bar
Installation position	BEL

Contact Schmalz

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Control valve	Bistable
Operating temperature	5 ... 70 °C
Weight	445 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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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

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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



NAEH-SCHA SMAGN-PNP S051

Part no...:10.01.17.00199

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

Voltage DC: 15-30V DC

Electrical connection: Male connect M12, 4 pol



REIB-RING SGM 50 PU-55

Part no...:10.01.17.00138

Construction use: Magnetic gripper

Size: 50

External diameter D: 50 mm

Internal diameter d: 35 mm

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