

Magnetic gripper

SGM-HT-HP 50 G1/4-IG

Part no.: 10.01.17.00402

<https://www.schmalz.co.jp/10.01.17.00402>

Home > Vacuum Technology for Automation > Vacuum Components > Special Grippers > Magnetic Grippers > Magnetic Grippers
SGM-HP/-HT > SGM-HT-HP 50 G1/4-IG

Magnetic gripper for handling metal sheets with holes



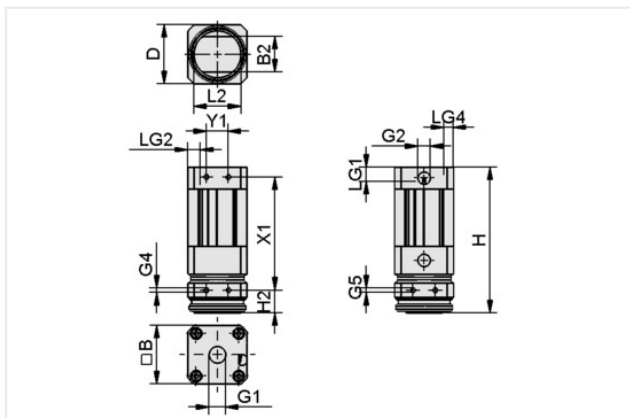
Socket: G1/4"-F

Pressure range (operating pressure): 2.5 ... 6.0 bar

Holding force max. friction ring: 330 N

Holding force max. without friction ring: 520 N

Design Data



Attribute	Value
B	50.70 mm
B2	31.20 mm
D	48.40 mm
G1	G1/4"-F
G2	G1/8"-F
G4	M5-F
G5	M4-F
H	123.20 mm
H2	15.50 mm
L2	41.50 mm
LG1	10 mm
LG2	6 mm
LG4	6.50 mm
X1	100 mm
Y1	15 mm

Note: Contact surface of grippers without friction ring (stadium-shaped) corresponds to dimension D x B2; with friction ring (round) dimension D

Technical Data

Attribute Value

Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | schmalz@schmalz.co.jp

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Holding force max. without friction ring	520 N
Holding force max. friction ring	330 N
Sheet thickness opt f. holding force max.	6 mm
Holding force 2mm-sheet without friction ring	370 N
Holding force 2mm-sheet friction ring	270 N
Remaining force	0.30 N
Pressure range (operating pressure)	2.5 ... 6.0 bar
Installation position	BEL
Control valve	Bistable
Working temperature max.	350 ° C
Operating temperature	5 ... 150 ° C
Weight	770 g
Product family	SGM-HP-HT

Note: The specified holding forces are static values under optimal conditions (primarily depending on material and surface characteristics). For system designs, a safety factor of $S = 3$ must be applied. Holding forces SGM-HT-HP at 20 ° C; can be used for workpiece temperatures up to 350 ° C (depending on process conditions), the influence of temperature can reduce holding forces by up to 30%

Accessories



HTS-A2 SGM-HP 50 OP

Part no.: 10.01.17.00568

Connection 1: Bolt with slot Ø19mm

Construction use: Magnetic gripper SGM-HP

Size: 50

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HTS-A3 SGM-HP 50 OP

Part no.: 10.01.17.00562

Connection 1: Ball head 28.5 mm

Construction use: Magnetic gripper SGM-HP

Size: 50



HTS-A5 SGM-HP 50 OP

Part no.: 10.01.17.00564

Connection 1: Ball head 32 mm

Construction use: Magnetic gripper SGM-HP

Size: 50



HPS-SGM-HP 2M8 50 OP

Part no.: 10.01.17.00652

Construction use: Magnetic gripper SGM-HP

Connection 1: 2x screws M8

Size: 50

Shape: One-piece

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SCHUTZ SGM-50 ST

Part no.: 10.01.17.00520

Construction use: Magnetic gripper

Size: 50

Material: Steel



REIB-RING SGM 50 HT2-65

Part no.: 10.01.17.00412

Construction use: Magnetic gripper

Size: 50

External diameter D: 50 mm

Internal diameter d: 41.5 mm



ADP-E-TRI 50 SET

Part no.: 10.01.17.00422

Size: 50

Shape: Triangle

Workpiece diameter (min): 19 mm

Workpiece diameter (max): 30 mm

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ADP-E-UNI 50 SET

Part no.: 10.01.17.00415

Size: 50

Shape: rectangular



STV-GE G1/8-AG 6 HT

Part no.: 10.08.02.00389

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Brass

Operating temperature: -20 ... 120 ° C

External diameter D: 11.6 mm

Length L: 19 mm



STV-W G1/8-AG 6 HT

Part no.: 10.08.02.00391

Thread G1: G1/8"-M

Hose diameter: 6 mm

Material: Brass

Operating temperature: -20 ... 120 ° C

Length L: 22.5 mm

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VSL 6-4 PTFE MI-TR

Part no.: 10.07.09.00157

External diameter D: 6 mm

Internal diameter d: 4 mm

Length max.: 50 m

Material hose: Polytetrafluorethylene

Bending radius min.: 35 mm

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

Operating temperature: -190 ... 260 ° C

Contact Schmalz

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