

Magnetic gripper

SGM-HT-HP 40 G1/4-IG

Part no.: 10.01.17.00403

<https://www.schmalz.co.jp/10.01.17.00403>

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Magnetic gripper for handling metal sheets with holes



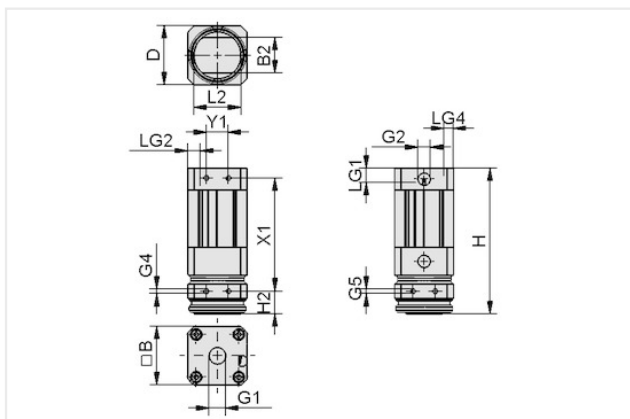
Socket: G1/4"-F

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

Holding force max. friction ring: 230 N

Holding force max. without friction ring: 290 N

Design Data



Attribute	Value
B	40.65 mm
B2	24.20 mm
D	38.40 mm
G1	G1/4"-F
G2	G1/8"-F
G4	M4-F
G5	M4-F
H	99.20 mm
H2	15.50 mm
L2	32 mm
LG1	9 mm
LG2	6 mm
LG4	5 mm
X1	74 mm
Y1	12 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
Holding force max. without friction ring	290 N

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. friction ring	230 N
Sheet thickness opt f. holding force max.	4 mm
Holding force 2mm-sheet without friction ring	260 N
Holding force 2mm-sheet friction ring	200 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	415 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 30/40 OP

Part no.: 10.01.17.00567

Connection 1: Bolt with slot Ø19mm

Construction use: Magnetic gripper SGM-HP

Size: 30/40

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HTS-A3 SGM-HP 30/40 OP

Part no.: 10.01.17.00557

Connection 1: Ball head 28.5 mm

Construction use: Magnetic gripper SGM-HP

Size: 30/40



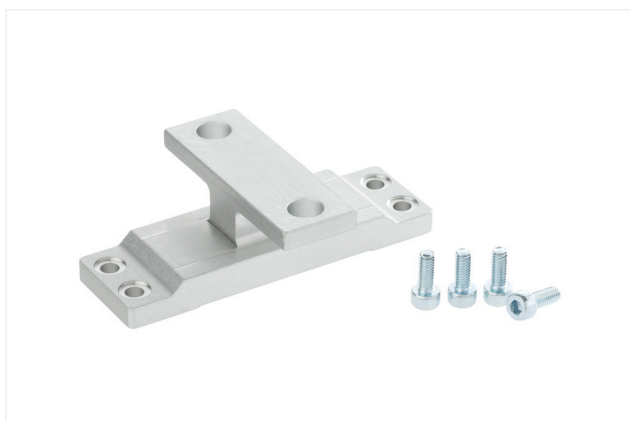
HTS-A5 SGM-HP 30/40 OP

Part no.: 10.01.17.00563

Connection 1: Ball head 32 mm

Construction use: Magnetic gripper SGM-HP

Size: 30/40



HPS-SGM-HP 2M8 30/40 OP

Part no.: 10.01.17.00651

Construction use: Magnetic gripper SGM-HP

Connection 1: 2x screws M8

Size: 30/40

Shape: One-piece

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SCHUTZ SGM-40 ST

Part no.: 10.01.17.00521

Construction use: Magnetic gripper

Size: 40

Material: Steel



REIB-RING SGM 40 HT2-65

Part no.: 10.01.17.00411

Construction use: Magnetic gripper

Size: 40

External diameter D: 40 mm

Internal diameter d: 32 mm



ADP-E-TRI 30/40 SET

Part no.: 10.01.17.00421

Shape: Triangle

Workpiece diameter (min): 10 mm

Workpiece diameter (max): 20 mm

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ADP-E-UNI 30/40 SET

Part no.: 10.01.17.00423

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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