Magnetic gripper

SGM-HT-HP 30 G1/8-IG

Part no.: 10.01.17.00397

https://www.schmalz.com/10.01.17.00397

Magnetic gripper for handling metal sheets with holes

Size: 30

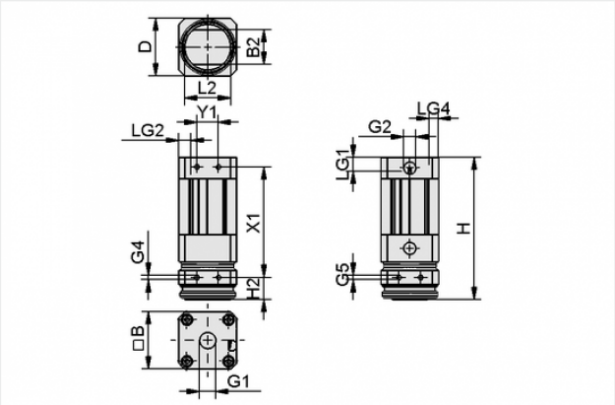
Socket: G1/8"-F

Pressure range (operating pressure):

2.5 ... 6.0 bar

Holding force max: 120 N

Design Data



Attribute	Value
B	30 mm
B2	15 mm
D	26.9 mm
G1	G1/8"-F
G2	G1/8"-F
G4	M4-F
G5	M4-F
H	99.2 mm
H2	15.5 mm
L2	20.5 mm
LG1	6 mm
LG2	7 mm
LG4	5 mm

Contact to Schmalz

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Attribute	Value
X1	74 mm
Y1	12 mm

Technical Data

Attribute	Value
Holding force max	120 N
Holding force max friction ring	80 N
Sheet thickness opt f. holding force max	2 mm
Holding force 2mm-sheet	120 N
Holding force 2mm-sheet friction ring	80 N
Lateral force	35 N
Lateral force (oily surface)	34.5 N
Remaining force	0.3 N
Pressure range (operating pressure)	2.5 ... 6.0 bar
Installation position	Any
Control	Bistable
Ambient temperature	5 ... 150 °C
Weight	215 g

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

REIB-RING SGM 30 HT2-65
Part no. 10.01.17.00410
Friction ring
for: Magnetic gripper
Size: 30
External diameter D: 29.5 mm
Internal diameter d: 20.5 mm

HTS-A2 AP SGM 30/40
Part no. 10.01.17.00416
Holder system
Cross-beam connection:
Bolt with slot Ø19mm
Shape: with adapterplate
for: Magnetic gripper
Size: 30/40

HTS-A3 AP SGM 30/40
Part no. 10.01.17.00378
Holder system
Cross-beam connection:
Ball head 28.5 mm
Shape: with adapterplate
for: Magnetic gripper
Size: 30/40

ADP-E-TRI 30/40 SET

Part no. 10.01.17.00421

Lifting elements for handling of round or non-flat components

Size: 30/40

Shape: triangle

Workpiece diameter (min): 10 mm

Workpiece diameter (max): 20 mm

ADP-E-UNI 30/40 SET

Part no. 10.01.17.00423

Lifting elements for handling of round or non-flat components

Size: 30/40

Shape: Rectangular

VSL 6-4 PTFE

Part no. 10.07.09.00157

Hose for vacuum and compressed-air systems

External diameter D: 6 mm

Internal diameter d: 4 mm

Length (max): 50 m

Material: Polytetrafluorethylene

Installation radius (min): 35 mm

Colour: natur

Ambient temperature: -190 ... 260 °C

STV-GE G1/8-AG 6 HT

Part no. 10.08.02.00389

Screw plug connection, straight

Thread G1: G1/8-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -50 ... 200 °C

Type: HT

STV-W G1/8-AG 6 HT

Part no. 10.08.02.00391

Screw plug connection, swivelling elbow

Thread G1: G1/8-M

External hose diameter: 6 mm

Material: Brass

Surface: nickel plated

Ambient temperature: -50 ... 200 °C

Type: HT