Magnetic gripper

SGM 70 G1/4-IG

Art.-Nr.: 10.01.17.00165



SGM 70 G1/4-IG

Technical data

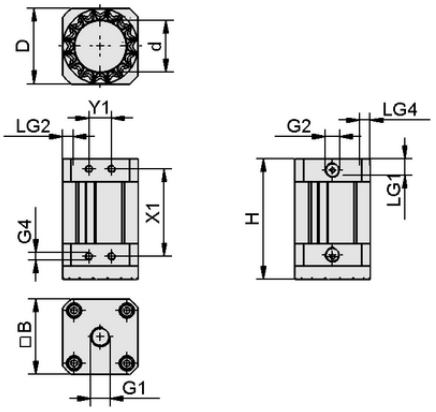
Attribute	Value
Size	70.00
Pressure range (operating pressure) [bar]	3.5 ... 6.0 bar
Holding force max. with friction ring	290.0 N
Socket	G1/4"-F

Magnet gripper SGM is delivered assembled. It is available in three versions:

- Gripper of type SGM - available in various diameters
- Gripper of type SGM-HD - stainless-steel grip surface for robust applications - available in various diameters
- Gripper of type SGM-S - with a piston control by a sensor

Available spare parts: friction ring, proximity switch

Available accessories: holder hystem



Design data SGM 70 G1/4-IG

Design data

Attribute	Value
Width B	68.75 mm
Height H	80.20 mm
Outside diameter D	68.00 mm
Internal diameter d	51.00 mm
Thread G1	G1/4"-F
Thread length LG1	11.0 mm
Thread G2	G1/8"-F
Thread length LG2	6.0 mm
Thread length LG4	8.0 mm
Hole spacing Y1	15.0 mm
Hole spacing X1	58.0 mm
Thread G4	M5-F

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Attribute	Value
Weight	715.00 g
Installation position	BEL
Remaining holding force	0.3 N
Pressure range (operating pressure) [bar]	3.5 ... 6.0 bar
Operating temperature	5 ... 70 °C
Holding force max. with friction ring	290.0 N
Product family	SGM
Control valve	Bistable

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

Further documentation

CAD data and other documents relating to the article can be found at: **www.schmalz.com/10.01.17.00165**

Ordering Data Accessories 10.01.17.00165

Typ		Item number
Holder system	HTS-A2 SGM 50/70 OP	10.01.17.00578
Holder system	HTS-A2 D SGM 50/70 OP	10.01.17.00587
Holder system	HTS-A3 SGM 50/70 OP	10.01.17.00576
Holder system	HTS-A3 D SGM 50/70 OP	10.01.17.00583
Holder system	HPS-SGM 2M8 50/70 OP	10.01.17.00653
Plug union, straight	STV-GE G1/8-AG 6	10.08.02.00204
Plug union, elbow	STV-W G1/8-AG 6	10.08.02.00158
Vacuum hose (meter)	VSL 6-4 PU MI-TR	10.07.09.00002

Ordering Data Spare Parts 10.01.17.00165

Typ		Item number
Friction ring	REIB-RING SGM 70 PU-55	10.01.17.00139

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