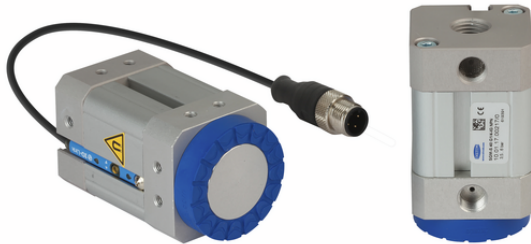


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Technical data

Attribute	Value
Size	40.00
Additional function	Sensor NPN
Pressure range (operating pressure) [bar]	3.5 ... 6.0 bar
Holding force max. with friction ring	100.0 N
Socket	G1/4"-F
Electrical connection	Male connect M12, 4 pol

SGM-S 40 G1/4-IG NPN

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

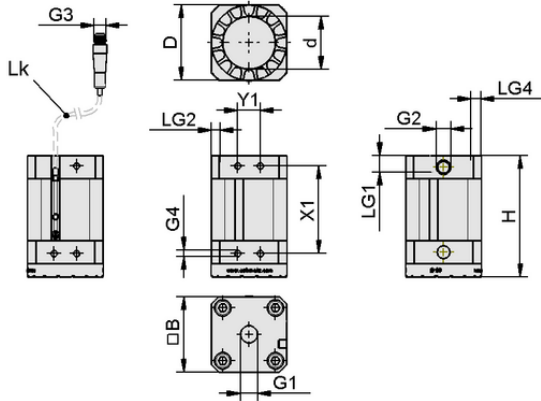
- Gripper of type SGM - available in various diameters
- Gripper of type SGM-HD - stainless-steel grip surface for robust applications - available in various diameters
- Gripper of type SGM-S - with a piston control by a sensor

Available spare parts: friction ring, proximity switch

Available accessories: holder hystem



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**Design data**

Attribute	Value
Width B	40.65 mm
Height H	70.20 mm
Outside diameter D	40.00 mm
Internal diameter d	26.00 mm
Thread G1	G1/4"-F
Thread length LG1	11.0 mm
Thread G2	G1/8"-F
Thread length LG2	6.0 mm
Cable length	300.00 mm
Thread length LG4	7.0 mm
Hole spacing Y1	12.0 mm
Hole spacing X1	46.0 mm
Thread G4	M4-F
Thread G3	M12x1-M

Design data SGM-S 40 G1/4-IG NPN

**Technical data**

Attribute	Value
Weight	255.00 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	100.0 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/10.01.17.00217


WWW.SCHMALZ.COM/10.01.17.00217

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**Ordering Data Accessories 10.01.17.00217**

Typ		Item number
Holder system	HTS-A2 SGM 30/40 OP	10.01.17.00581
Holder system	HTS-A3 SGM 30/40 OP	10.01.17.00558
Holder system	HTS-A2 D SGM 30/40 OP	10.01.17.00586
Holder system	HTS-A3 D SGM 30/40 OP	10.01.17.00582
Holder system	HPS-SGM 2M6 30/40 OP	10.01.17.00655
Connection cable	ASK B-M12-5 5000 K-5P	21.04.05.00080
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 10.01.17.00217**

Typ		Item number
Friction ring	REIB-RING SGM 40 PU-55	10.01.17.00137
Proximity switch	NAEH-SCHA SMAGN-NPN S050 300	10.01.17.00215

