Magnetic gripper

# SGM-HD 50 G1/4-IG

Art.-Nr.: 10.01.17.00273



SGM-HD 50 G1/4-IG

## Technical data

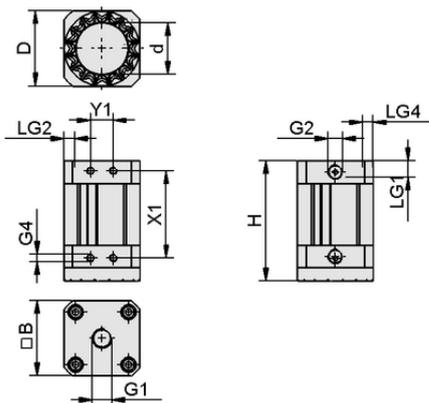| | |
|---|---|
| Size | 50.00 |
| Pressure range (operating pressure) [bar] | 3.5 ... 6.0 bar |
| Holding force max. with friction ring | 180.0 N |
| Socket | G1/4"-F |

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-HD 50 G1/4-IG

## Design data

| | |
|---|---|
| Width B | 50.70 mm |
| Height H | 80.20 mm |
| Outside diameter D | 50.00 mm |
| Internal diameter d | 35.00 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 | 7.0 mm |
| Hole spacing Y1 | 15.0 mm |
| Hole spacing X1 | 58.0 mm |
| Thread G4 | M5-F |

# SGM-HD 50 G1/4-IG

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## 📊 Technical data

| | |
|---|---|
| Weight | 594.00 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 | 180.0 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

## ✏️ Ordering Data Accessories 10.01.17.00273

| 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 10.01.17.00273

| Typ | | Item number |
|---|---|---|
| Friction ring | REIB-RING SGM 50 PU-55 | 10.01.17.00138 |