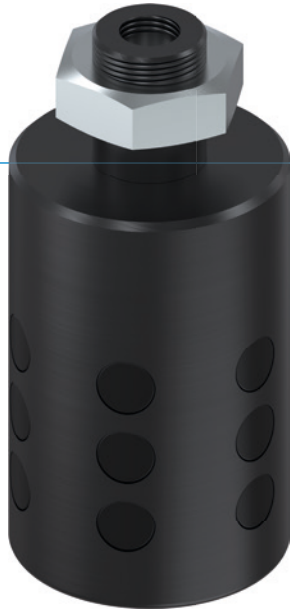


INTERNAL GRIPPER

SERIES LGG

▶ PRODUCT ADVANTAGES



▶ Surface protection with rubber knobs

Continuously protect the surface of your workpieces and minimise rejections in the process

▶ Secure hold

The coefficient of friction ensures your workpiece stays held reliably, even under high dynamics

▶ Direct drive

The control system with only one pneumatic line reduces installation effort and interference contours

▶ SERIES CHARACTERISTICS

Installation size

LGXX-XX



Maintenance free

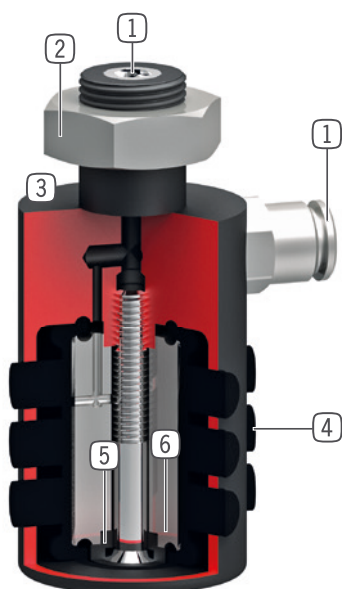


IP54





► BENEFITS IN DETAIL



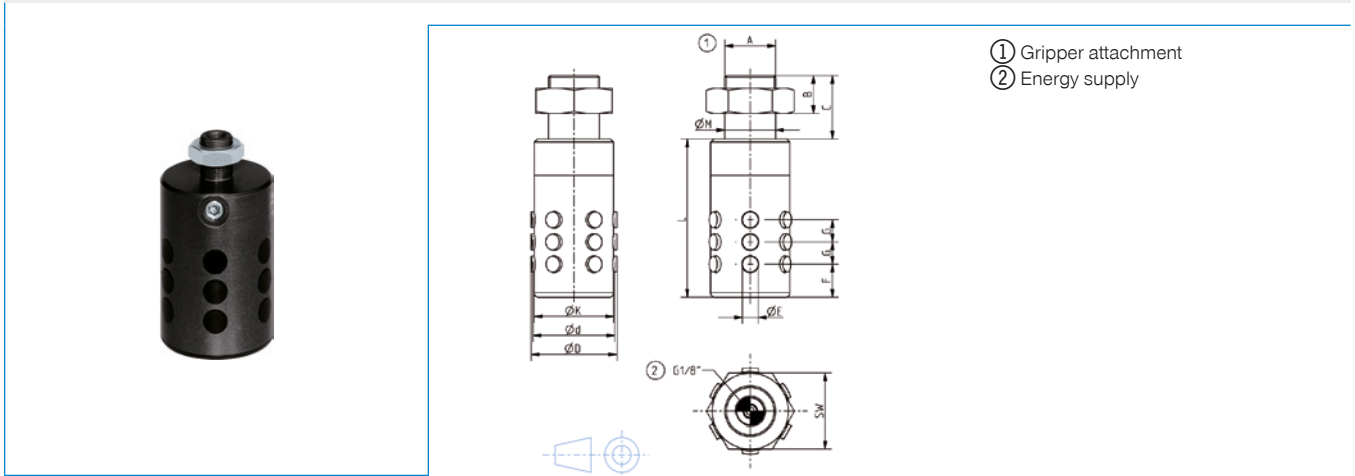
- ① Energy supply**
 - axial
 - axial and radial from LG35-39
- ② Fixing**
 - by fit, thread and locknut
- ③ Robust, lightweight housing**
 - Hard-coated aluminum alloy
 - no overstretching of the rubber membrane at empty stroke
- ④ Direct gripping with rubber knops**
 - high retention force due to good friction value, approx. 0.5 with rubber
- ⑤ Gripping with single-acting rubber membranes**
 - low actuate effort
 - reset when venting
 - adjustable force with operating pressure (2 - 6 bar)
- ⑥ Inner core**
 - saves air volume and cycle time (from LG35-39)

► TECHNICAL DATA

| Installation size | Total stroke in Ø | Gripping force | Weight | IP class |
|-------------------|-------------------|----------------|--------|----------|
| | [mm] | [N] | [kg] | |
| LG15-18 | 2.5 | 100 | 0.035 | IP54 |
| LG18-22 | 4.0 | 100 | 0.037 | IP54 |
| LG22-26 | 4.0 | 150 | 0.055 | IP54 |
| LG26-30 | 4.0 | 150 | 0.074 | IP54 |
| LG30-35 | 5.0 | 200 | 0.091 | IP54 |
| LG35-39 | 4.5 | 300 | 0.15 | IP54 |
| LG40-45 | 6.5 | 400 | 0.18 | IP54 |
| LG46-51 | 6.0 | 500 | 0.27 | IP54 |
| LG51-56 | 7.0 | 750 | 0.47 | IP54 |
| LG56-62 | 7.5 | 900 | 0.41 | IP54 |
| LG63-70 | 8.0 | 1100 | 0.6 | IP54 |
| LG71-80 | 10.5 | 1500 | 0.8 | IP54 |
| LG76-84 | 8.5 | 1700 | 0.7 | IP54 |
| LG81-90 | 11.0 | 2000 | 0.91 | IP54 |
| LG91-100 | 10.0 | 2500 | 1.8 | IP54 |
| LG100-110 | 11.0 | 2800 | 1.6 | IP54 |
| LG110-120 | 11.0 | 3500 | 2 | IP54 |
| LG120-135 | 16.0 | 3500 | 2.3 | IP54 |

INTERNAL GRIPPER SERIES LGG

▶ PRODUCT SPECIFICATIONS



▶ RECOMMENDED ACCESSORIES



ENERGY SUPPLY



GV1-8X8
Straight Fittings - Quick Connect Style



ENERGY SUPPLY



DEV08
Quick Exhaust Valve

| Order no. | ► Technical data | | | | |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|
| | LG15-18 | LG18-22 | LG22-26 | LG26-30 | LG30-35 |
| Total stroke in Ø [mm] | 2.5 | 4.0 | 4.0 | 4.0 | 5.0 |
| Clamping diameter d min. [mm] | 15.0 | 17.5 | 21.5 | 25.5 | 29.5 |
| Clamping diameter D max. [mm] | 17.5 | 21.5 | 25.5 | 29.5 | 34.5 |
| Gripping force in extraction [N] | 100 | 100 | 150 | 150 | 200 |
| Retract time / Extend time [s] | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Repetition accuracy +/- [mm] | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| Operating pressure min. [bar] | 2 | 2 | 2 | 2 | 2 |
| Operating pressure max. [bar] | 6 | 6 | 6 | 6 | 6 |
| Nominal operating pressure [bar] | 6 | 6 | 6 | 6 | 6 |
| Operating temperature min. [°C] | 5 | 5 | 5 | 5 | 5 |
| Operating temperature max. [°C] | +80 | +80 | +80 | +80 | +80 |
| Air volume per cycle [cm ³] | 1 | 1 | 1 | 2 | 3 |
| Certifications | LABS / REACH / RoHS | LABS / REACH / RoHS | LABS / REACH / RoHS | LABS / REACH / RoHS | LABS / REACH / RoHS |
| Protection to IEC 60529 | IP54 | IP54 | IP54 | IP54 | IP54 |
| Weight [kg] | 0.035 | 0.037 | 0.055 | 0.074 | 0.091 |
| A | M14X1.5 | M14X1.5 | M14X1.5 | M16X1 | M16X1 |
| C [mm] | 18 | 18 | 20 | 20 | 20 |
| E Ø [mm] | 5 | 5 | 5 | 6 | 7 |
| F [mm] | 10.5 | 10.5 | 11.5 | 10.5 | 11.5 |
| G [mm] | 7 | 7 | 7 | 7 | 8 |
| K Ø [mm] | 14.5 | 17 | 21 | 25 | 29 |
| L [mm] | 42 | 42 | 50 | 50 | 52 |
| M Ø [mm] | 14h7 | 14h7 | 14h7 | 16h7 | 16h7 |