

INTERNAL GRIPPER

SERIES LG1000

▶ PRODUCT ADVANTAGES



▶ Individually adjustable

The design of the gripper enables you to grip not only cylindrical gripping surfaces, but also conical and square ones with process reliability





▶ Integrated air or vacuum feedthrough

Use this option for applications such as leak tests, purging or vacuuming your part

▶ Surface protection provided by silicone membrane

In addition to covering a vast range of gripping diameters, the membrane provides ideal protection from damage

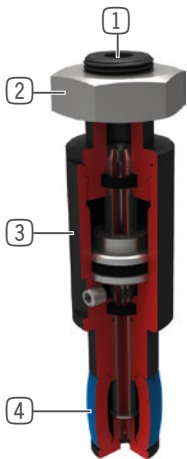
▶ SERIES CHARACTERISTICS

Installation size	Version	
	-01SI	-02SI
 Axial energy supply	●	
 Radial energy supply, through-hole		●
 Maintenance free	●	●
 IP54	●	●



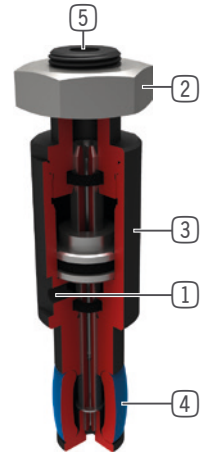
► BENEFITS IN DETAIL

Version-01

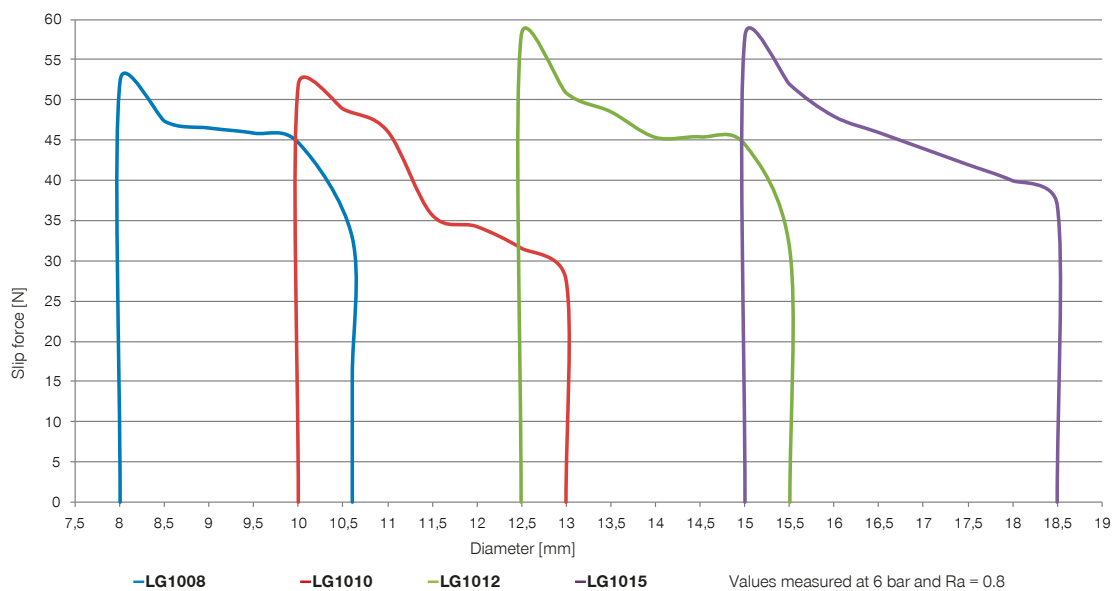


- ① **Energy supply**
 - Axial (version-01) or radial (version-02)
- ② **Mounting and positioning**
 - via fit, thread and lock nut
- ③ **Robust, lightweight housing**
 - Hard-coated aluminum alloy
- ④ **Direct gripping with rubber membrane**
 - High holding force due to high friction value
 - reset when venting
- ⑤ **Through-hole**
 - Compressed air or vacuum connection for cooling the workpieces or testing them for leaks (version-02)

Version-02



► SLIP FORCE DIAGRAM



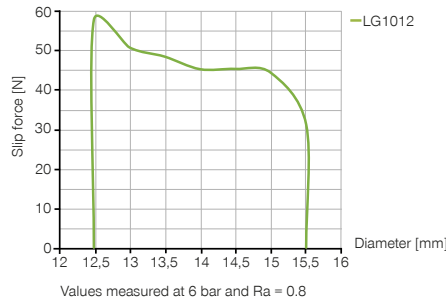
INTERNAL GRIPPER

INSTALLATION SIZE LG1012

▶ PRODUCT SPECIFICATIONS



▶ Slip force diagram



▶ RECOMMENDED ACCESSORIES



ENERGY SUPPLY



GVM3
Straight Fittings - Barb Style Connection



GVM5
Straight Fittings - Quick Connect Style



WVM3
Angled Fittings - Barb Style Connection



ENERGY SUPPLY



WVM5
Angled Fittings - Quick Connect Style



CONNECTIONS / OTHER



DAL02370
Centering cone

Order no.	▶ Technical data	
	LG1012-01SI	LG1012-02SI
Total stroke in Ø [mm]	3	3
Gripping diameter min. [mm]	12.5	12.5
Gripping diameter max. [mm]	15.5	15.5
Slip force max. [N]	58	58
Retract time / Extend time [s]	0.2	0.2
Operating pressure min. [bar]	4	4
Operating pressure max. [bar]	6	6
Nominal operating pressure [bar]	6	6
Operating temperature min. [°C]	5	5
Operating temperature max. [°C]	+80	+80
Air volume per cycle [cm³]	0.7	0.7
Protection to IEC 60529	IP54	IP54
Weight [kg]	0.033	0.032

