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**

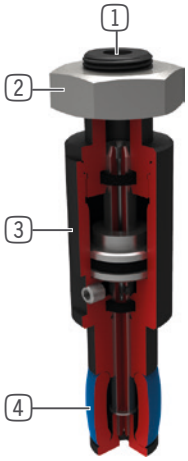
In addition to covering a vast range of gripping diameters, the membrane provides ideal protection from damage

▶ SERIES CHARACTERISTICS

Installation size	Version	
LG10XX	-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)

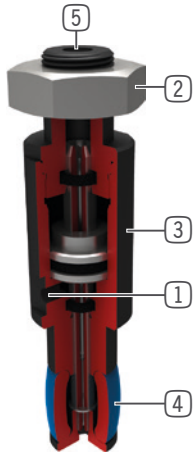
2 **Mounting and positioning**
- via fit, thread and lock nut

3 **Robust, lightweight housing**
- Hard-coated aluminum alloy

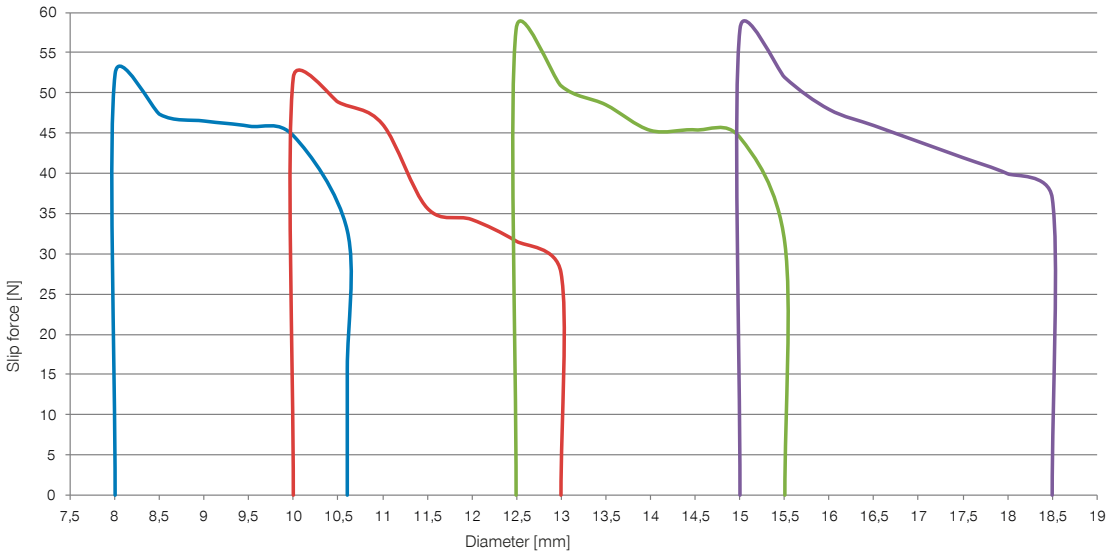
4 **Direct gripping with rubber membrane**
- High holding force due to high friction value
- reset when venting

5 **Through-hole**
- Compressed air or vacuum connection for cooling the workpieces or testing them for leaks (version-02)

Version-02



▶ SLIP FORCE DIAGRAM

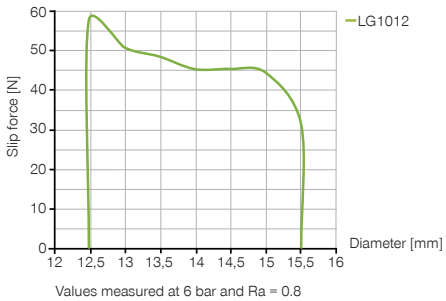


Values measured at 6 bar and Ra = 0.8

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

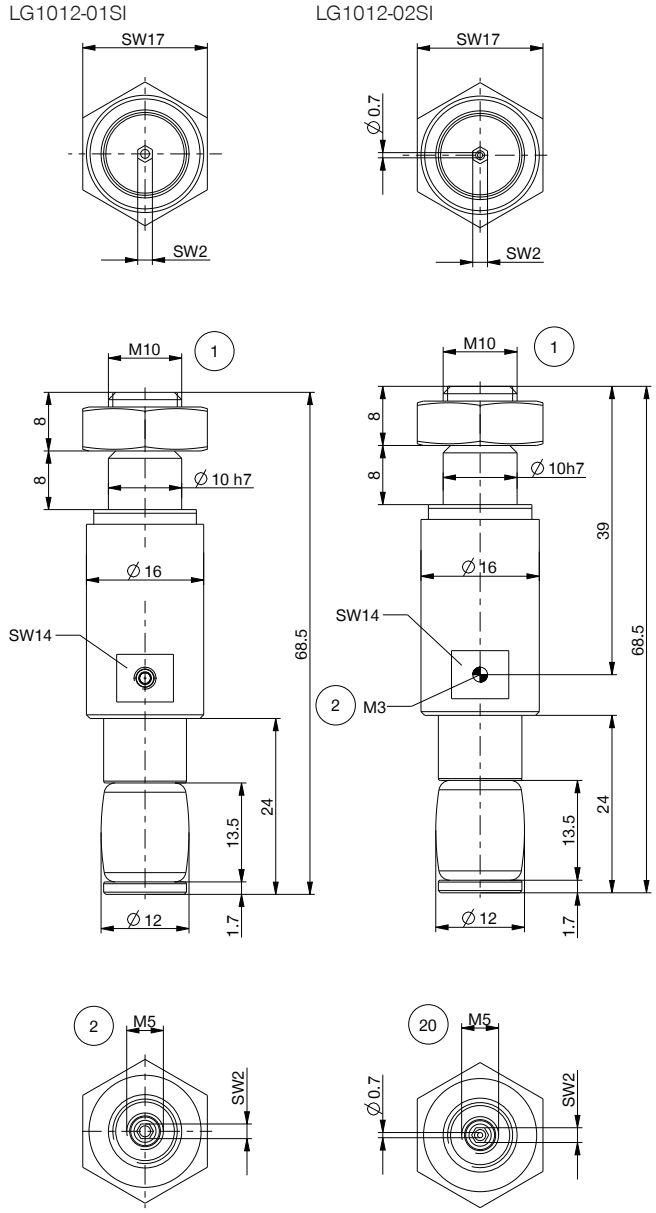
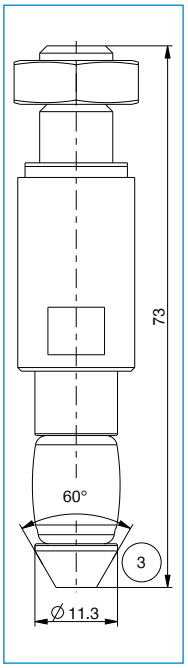
ENERGY SUPPLY

WVM5
Angled Fittings - Quick Connect Style

CONNECTIONS / OTHER

DAL02370
Centering cone

	► Technical data	
Order no.	**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
Certifications	LABS / REACH / RoHS	LABS / REACH / RoHS
Protection to IEC 60529	IP54	IP54
Weight [kg]	0.033	0.032



1 Gripper attachment
2 Energy supply
3 Centering cone (for order no., see accessory recommendation)
20 Through-hole