

# Hole gripper and Four-point gripper

LG15-18 up to GV50

things worth knowing

## Advantages and uses

... suitable for workpieces with bores, even with complex external contours ...  
... high-grip force ...

Highlight

- ▶ compact design and minimal weight
  - ▶ production of special gripper jaws becomes unnecessary
  - ▶ any desired installation position

... economic design for internal gripping!

## Characteristics

### Function

Drive: unsynchronized rubber membrane  
Power transfer: direct

### Material

Housing: hard-anodized aluminum  
Rubber membrane: NBR

**Maintenance:** maintenance-free

Actuation: clean – filtered high-pressure air (10 µm), dry or oiled  
Total power: arithmetic sum of the individual elements on the gripper jaws  
Closing and opening times: required time for the gripper jaws to cover the maximum stroke length

## Basic explanations

### Terms and illustrations

Grip force safety device: required during pressure loss for maintaining position of workpiece  
– pneumatic: through pressure retention

## Accessories

### Accessory recommendation:

- ▶ Pneumatic fittings Page 442
- ▶ Tubing Page 444
- ▶ Control valves Page 445
- ▶ Pressure safety valves Page 447