

# Long-stroke gripper with round guide

GH90-GH200

things worth knowing

## Advantages and uses

... round guide ... long stroke ...

Highlight

... compact construction  
saves valuable space! ...

- ▶ centrally opening and closing
  - ▶ any desired installation position
  - ▶ position sensing possible through inductive proximity switch

## Characteristics

### Function

Drive: two double-acting pneumatic cylinders  
Power transfer: through synchronized rack-and-pinion drive  
Guide: round guide

### Material

Housing: hard-anodized aluminum  
Functional parts: steel and nonferrous metal

### Maintenance

Recommended at: 1.5 million cycles  
Actuation: filtered high-pressure air (10 $\mu$ m), dry or oiled  
Maintenance of the mechanics: – see owners' manual –

## Basic explanations

### Terms and illustrations

Grip force safety device: required during pressure loss for maintaining position of workpiece  
– pneumatic: through pressure retention (one-way valve required DSV 1/8)  
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

## Accessories

### Accessory recommendation:

- ▶ Universal jaws Page 98
- ▶ Inductive proximity switch Page 428
- ▶ Bracket for inductive proximity switch Page 432
- ▶ Pneumatic fittings Page 442
- ▶ Tubing Page 444
- ▶ Control valves Page 445
- ▶ Pressure safety valves Page 447

