

# Long-stroke gripper with T-slot guide

GH6040 up to GH64200

## things worth knowing

### Advantages and uses

... high-grip force, combined with long stroke ... robust T-slot guide ...

Highlight

... space-saving despite long stroke ...

- ▶ compact design and minimal weight
  - ▶ centrally opening and closing
  - ▶ high precision
    - ▶ any desired installation position
    - ▶ position sensing possible through inductive proximity switch

### Characteristics

#### Function

Drive: two double-acting pneumatic cylinders  
Power transfer: through gears synchronized rack-and-pinion drive  
Guide: T-slot guide for high power and moment absorption

#### Material

Housing: hard-anodized aluminum  
Moving parts: nitrided steel

#### Maintenance

Recommended at: 1.5 million cycles  
Actuation: filtered high-pressure air (10 $\mu$ m), dry or oiled  
Maintenance of the mechanics: via integrated lubrication nipple – 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

### Included with purchase:

- ▶ Centering sleeves
- ▶ Bracket for inductive proximity switch

### Accessory recommendation:

- ▶ Universal jaws Page 92
- ▶ Inductive proximity switch Page 428
- ▶ Pneumatic fittings Page 442
- ▶ Tubing Page 444
- ▶ Control valves Page 445
- ▶ Pressure safety valves Page 447

