

Heavy-duty long-stroke gripper with linear guide

GH7665/ GH76100

things worth knowing

Advantages and uses

... high-grip force, combined with long stroke ... linear guide for high moment absorption ... economic with high reliability and long service life ...

Highlight

- ▶ centrally opening and closing
 - ▶ high precision
 - ▶ any desired installation position
 - ▶ position sensing possible through inductive proximity switch
 - ▶ with wiper on bearing

... ideal for large moments and loads!

Characteristics

Function

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

Material

Housing: hard-anodized aluminum
Moving parts: nitrided steel

Maintenance

Recommended at: 1.5 million cycles
Actuation: filtered high-pressure air (10 μ m), dry or oiled
Maintenance of the mechanics: via integrated lubrication nipple – see owners' manual –

Basic explanations

Terms and illustrations

Grip force safety device: arithmetic sum of the individual elements on the grab jaws prehensile
Power fuse: required during pressure loss for maintaining position of work piece
– pneumatic: through pressure retention
Closing and opening time: required time for the grab jaws to cover the maximum stroke length

Accessories

Included with purchase:

- ▶ Bracket for inductive proximity switch

Accessory recommendation:

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

