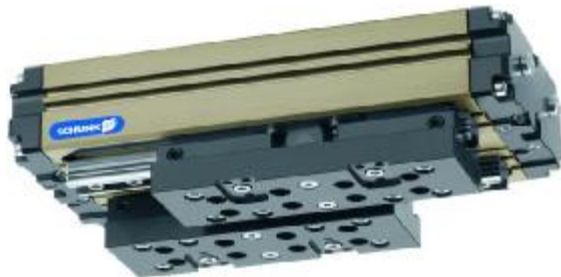


Product



No. 1 Position:

The most modular standard long-stroke gripper on the market

- ü Increase of the degree of efficiency by 20 %
- ü Longer finger length by 30 %

Product Features

Unique Selling Points:

- ü Modular – one actuation – 2 guidance types
- ü Profiled rail guidance – same force over the complete finger length
- ü One guidance type with reversed multi-tooth guidance

Further product features:

- ü Design made of aluminum extruded section – special strokes can be carried out easily
- ü Gripping force maintenance via spring
- ü Jaw adaption for aligned jaws, this means easy customer-specific top jaw design
- ü Monitoring via inductive sensors or magnetic field sensors
- ü High temperature/viton version for environmental temperatures of up to 130 °C or aggressive environmental conditions

- ü Available sizes 25-40 as of Oct. 2010
- ü Available sizes 32-63 as of Dec. 2010
- ü Price appr. +6 % compared with the PFH

Market and Competitors

Key Competitors

- ü Festo: HPGL
- ü Röhme: RGP
- ü Gimatic: SH
- ü Destaco: DPL
- ü Sommer: GH

Advantages towards competitors:

- ü Roller bearing guidance/multi-tooth guidance
- ü Degree of efficiency
- ü Compact performance towards volume and mass
- ü Maximum admissible finger length
- ü Admissible additional moments/forces

Cost Effectiveness/ Customer Benefits

- ü Profiled rail guidance for longer finger lengths and improved degree of efficiency
- ü Jaw-guided for applications with danger of jerking – particularly robust guidance
- ü Modular design for maximum flexibility – in case of special designs, every stroke with a minimum length is feasible
- ü Guidance according to customer's application (cost-performance-ratio)
- ü Increased degree of efficiency of profiled rail guidances results in a higher energy efficiency and lower energy costs

Questions about the product? Your contact person in the Produkt Management Automation is M. Nagel (+49 - 7133 - 103 - 2561)

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Technical Data/ Functions

Technical data:

- ü Sizes: 25 .. 63
- ü Weight: 1.5 kg .. 21 kg
- ü Gripping force: 390 N .. 3250 N
- ü Stroke per finger: 30 mm .. 160 mm
- ü Workpiece weight: 2.0 kg .. 16.6 kg

Complementary products:

- ü Replaces the product PFH
- ü Modular long-stroke gripper with 2 alternative guidance units
- ü Both base upon the same guidance, however have different guidance top parts.
- ü 3 stroke versions per size/piston diameter

Industries and Fields of Application

PHL particularly convinces in the following industries

- ü Packaging industry
- ü Automotive industry
- ü Metal cutting

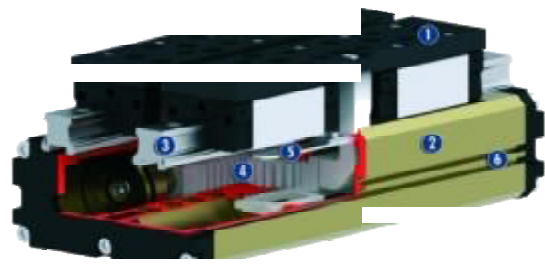
Applications

- ü Handling of packages
- ü Wheel rim handling
- ü Handling of cast blanks

Additional information

High-quality rail guidance from Schneeberger

Cross Section



1. Base jaws for adaption
2. Housing, weight-reduced
3. Multi-tooth guidance
4. Kinematics, rack and pinion principle
5. Dust cover
6. Sensor system for position monitoring

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