

Product



No. 1 Position

The most compact and fastest electric gripper for small components on the market.

Product Features

Unique Selling Points:

- ✓ Optimal stroke to closing time ratio
- ✓ Compact and light
- ✓ Direct pneumatic alternative
- ✓ Simple digital control
- ✓ Tried and tested MPG-plus basis
- ✓ Electronics installed internally to save space
- ✓ Wear-resistant servo motor
- ✓ Compatible with the SCHUNK modular system (PPU-E and modular assembly automation)

Further Product Features:

- ✓ Pneumatic sensor systems can be directly taken over, with the exception of MMS-P (IN 40, IN 5, FPS)
- ✓ Multi-functional mounting options (via centering sleeve, screwed through, fastened laterally, or from the bottom) for max. versatility/standardization
- ✓ Protection class IP30
- ✓ Housing out of high-performance aluminum

Market and Competitors

Key Competitors:

- ✓ Sommer: GEP9002
- ✓ Sommer: GEP1402
- ✓ Gimatic: MPPM 1606
- ✓ Gimatic: MPPM 2508
- ✓ SMC: LEHZ 16
- ✓ SMC: LEHZ 20
- ✓ AFAG: EG20/P

Advantages over Competitors:

- ✓ Shortest stroke to closing time ratio
- ✓ Smallest dimensions
- ✓ Lightest gripper

Cost-effectiveness / Customer Benefits

- ✓ Shortest closing times for minimal cycle times
- ✓ Compact and lightweight design for use on Pick & Place systems
- ✓ Simple digital control directly via, for example, sensor distributor is possible
- ✓ Reliable processes thanks to compact and inexpensive position monitoring
- ✓ Brushless servo motors are maintenance-free and have high efficiency
- ✓ Greater efficiency due to roller bearings, yielding lower energy consumption and higher performance
- ✓ Can be used with PPU-E and the modular assembly automation system

Questions about the product? Your contact person at Product Management Gripping Systems is Sebastian Höpfl (+49-7133-103-2426)

Technical Data / Functions

Technical Data:

- ✓ Sizes: 25/40
- ✓ Strokes per finger: 3/6 mm
- ✓ Gripping force: 12/30 N
- ✓ Workpiece weight: 0.035/0.15 kg
- ✓ Operating voltage: 24 V DC
- ✓ Deadweight: 0.10/0.295 kg
- ✓ Closing time: 0.03/0.06 s

Complementary Products:

- ✓ Modular assembly automation system
- ✓ PPU-E
- ✓ OAS optical distance and presence sensor
- ✓ IN inductive monitoring
- ✓ FPS flexible position sensor

Industries and Applications

The EGP convinces in the following industries

For all industries, and for challenging automated solutions which require high gripping speed along with simple control.

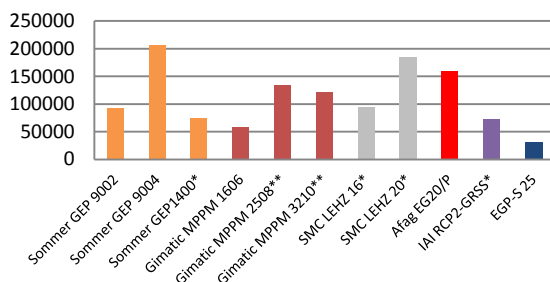
- ✓ Medical/surgical equipment
- ✓ Biotechnology
- ✓ Electrical industry
- ✓ Handling & assembly technology
- ✓ Pharmaceutical industry
- ✓ Machine & plant construction
- ✓ Automation

Applications:

- ✓ Pick & Place
- ✓ Assembly technology (syringes, etc.)
- ✓ Handling small components
- ✓ Loading THT boards

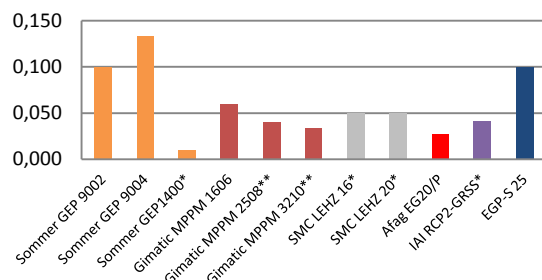
Additional Information EGP 25-speed

Volume [mm³]



* without integrated electronics/ ** not available for delivery

Stroke/closing time ratio [mm/ms]



Sectional Diagram



- ✓ 1 – Base jaw
- ✓ 2 – Junction roller guide
- ✓ 3 – Gear
- ✓ 4 – Drive
- ✓ 5 – Electronics

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