

Product



No. 1 Position

The unique standard angular parallel stroke gripper on the market

Features

Unique Selling Points:

- ✓ The unique standard angular parallel gripper on the market
- ✓ Angular and parallel kinematics proven by the predecessor GM 280-400

Further Features:

- ✓ Various opening angles possible (30° - 180°)
- ✓ Hydraulic shock absorber for opening stroke possible
- ✓ Integration into the modular system for modular assembly automation
- ✓ Reinforced guidance, and yet more compact design than the predecessor
- ✓ Monitoring via magnetic sensors possible

Market and Competition

Main Competitors

- ✓ Not known

Advantages towards competition:

- ✓ Combines the advantages of an angle and parallel gripper

Economy/Customer Benefits

Customer Benefits:

- ✓ Overhanging workpieces can be gripped without problems, and at the same time the parallel motion ensures a precise grip at the end of the gripper stroke
- ✓ Various opening angles possible (30° - 180°) for highest flexibility
- ✓ Higher possible cycle time due to integrated hydraulic damping
- ✓ Easiest system configuration since the unit is fully integrated into the modular system for modular assembly automation
- ✓ Complete systems can be implemented from standard products
- ✓ Monitoring via magnetic sensors – no additional attachments are necessary – therefore there are less interfering contours

Questions about the product? Your Contact Person of the Product Management Automation is J. Khoury (+49 - 7133 - 103 - 2667)

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Technical Data/Functions

Basic technical Data:

- ✓ Sizes: 28 .. 32 (3 sizes)
- ✓ Weight: 0,29 .. 1,31 kg
- ✓ Gripping force: 80 .. 340 N
- ✓ Stroke per finger: 1 .. 2 mm
- ✓ Opening angle per finger: 15° .. 90°

Complementary Products:

- ✓ Complete modular system for modular assembly automation
- ✓ MMS Sensors

Industries and Applications

The GAP particularly convinces in the following industries

- ✓ Handling and assembly technology
- ✓ Plastic industry
- ✓ Electronic engineering
- ✓ Pharmaceutical industry

Applications

(specific applications for this gripper in addition to the common applications of grippers for handling small components)

- ✓ Excellently suitable for gripping workpieces of various diameters
- ✓ If workpieces with various diameters are gripped, the position of the gripping center remains the same. This is not the case if angular grippers are used.
- ✓ Centering of small components

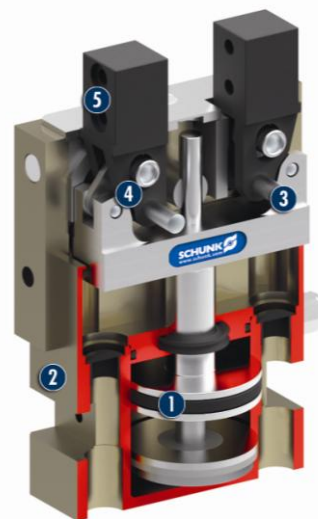
Additional Information

Replaces the present GM 280 .. 400 angular parallel gripper. The advantages:

- ✓ Improved monitoring
- ✓ More robust design
- ✓ Compact design
- ✓ Faster cycle times possible

Cross Section

1. Drive
2. Housing
3. Base jaw bearing
4. Kinematics
5. Base jaws



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