



# MPG-plus with cover

Competitive comparison

Internal use only – internal use only – internal use only – internal use only – internal use only – internal use only – internal use only – internal use only

Superior Clamping and Gripping



# Overview – Competitors



## 2-finger paralle gripper with cover



MHZJ2-X6100



MHZJ2



MHZL2-X6110



MHZAJ2



MHK2



MHQJ2

## 3-finger centric gripper with cover



MHSJ3



MHSHJ3



FESTO: HGP with SSK  
(dust cover)



- Wide portfolio regarding grippers with dust cover
- The MPG-plus competes with the grippers of the MHZ series:



| size                   | 6 | 10 | 16 | 20  | 25  |
|------------------------|---|----|----|-----|-----|
| Stroke per jaw<br>[mm] | 2 | 2  | 3  | 5   | 7   |
| Gripping force<br>[N]  | 8 | 24 | 72 | 100 | 156 |



## MHZJ2:

- Not retrofittable
- Variants with gripping force maintenance
- Three cover materials (without explanations for selection)
  - Chloroprene rubber (CK)
  - Fluororubber (FKM)
  - Silicone rubber (Si)
- Monitoring with magnetic sensors
- No IP specification in catalog ("with dust protection")
- No clean room classification in catalog



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| Advantage for SMC           | Disadvantage for SMC                                    |
|-----------------------------|---------------------------------------------------------|
| Portfolio: centric grippers | No IP specification in catalog ("with dust protection") |
| Very modular gripper MHZ    | No clean room classification in catalog                 |
|                             | Not retrofittable                                       |

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## Pneumatic parallel gripper HGP

- Not retrofittable
- No variant with gripping force maintenance
- Dust protection cover for use in dirty environment (IP54)
- Material dust protection cover: thermoplastic
- Monitoring with magnetic sensors
- Clean room classification according to ISO 14644-1: Class 6

| size                | 16  | 25  |
|---------------------|-----|-----|
| Stroke per jaw [mm] | 5   | 7,5 |
| Gripping force [N]  | 160 | 340 |

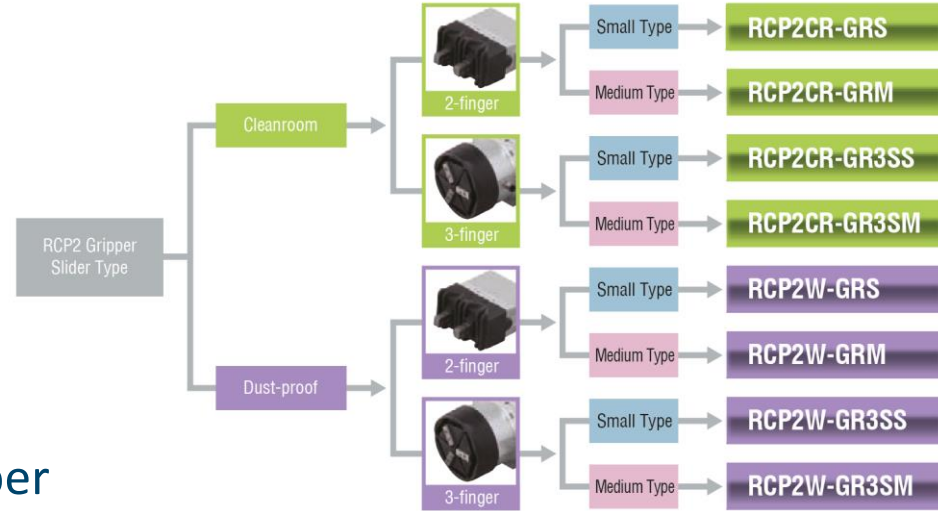


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| Advantage for FESTO | Disadvantage for FESTO                     |
|---------------------|--------------------------------------------|
|                     | No variant with gripping force maintenance |
|                     | Only two sizes                             |
|                     | Not retrofittable                          |

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- Electric parallel grippers
- Electric centric grippers
- Differentiation between
  - Clean room: ISO clean room class 4
  - Dust room: IP50
- Cover material: Polychloroprene rubber



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| Advantage for IAI          | Disadvantage for IAI                             |
|----------------------------|--------------------------------------------------|
| ISO clean room class 4     | Only dust protection IP 50                       |
| Portfolio: centric gripper | No dust protection in connection with clean room |
|                            |                                                  |

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Two variants:

- Kit "KIT-GMP-G" for electric gripper MPPM1606
- Kit "KIT-GMPLM3240" for electric gripper MPLM3240



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## Kit "KIT-GMP-G" for electric gripper MPPM1606:

- Stroke per jaw: 3mm
- Gripping force: 67N
- Compliant with GMP Grade A and B cleanliness standards
- Cover made in Silicone Silpuran® Wacker FDA 21 CFR §177.2600
- Compatible with hydrogen peroxide (VHP-H<sub>2</sub>O<sub>2</sub>) and UV cleaning procedures
- Complete system with IP65 protection rating
- ISO14644-1 certification for ISO 4 cleanrooms
- Stainless steel hygienic screws (Novonox)
- Transparent surface that enables reading the LEDs of the internal sensors and the power supply status LEDs
- Hygienic design surfaces preventing the build-up of bacteria



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## Kit "KIT-GMPLM3240" for electric gripper MPLM3240

- Stroke per jaw: 20mm
- Gripping force: 210N
- Compliant with GMP Grade A and B cleanliness standards
- Cover made in Silicone Silpuran® Wacker FDA 21 CFR §177.2600
- Compatible with hydrogen peroxide (VHP-H<sub>2</sub>O<sub>2</sub>) and UV cleaning procedures
- Complete system with IP65 protection rating
- ISO14644-1 certification for ISO 5 cleanrooms
- Stainless steel hygienic screws (Novonox)
- Transparent surface that enables reading the LEDs of the internal sensors and the power supply status LEDs
- Hygienic design surfaces preventing the build-up of bacteria



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| Advantage for GIMATIC                     | Disadvantage for GIMATIC     |
|-------------------------------------------|------------------------------|
| High standards of cleanliness and hygiene | Large interference contour   |
|                                           | Only two (electric) variants |

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