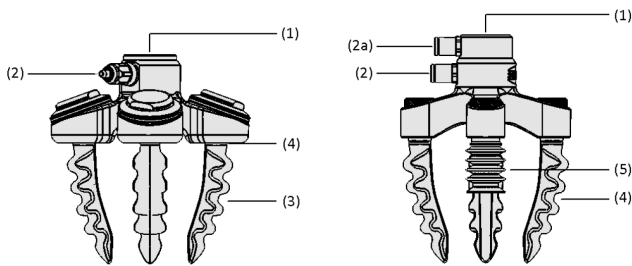


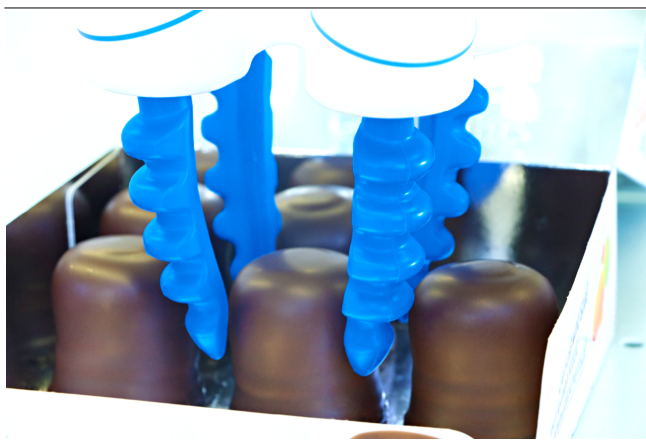
Finger gripper OFG



Finger gripper OFG



System Design Finger gripper OFG



Suitability for Industry Specific Applications

Applications

- Finger grippers for direct contact with food, for example when transferring products into trays or for quality control
- The slim finger design allows small products to be placed close together, for example in a sushi lunch box
- Handling of organic products with deviating shapes and characteristics, such as chicken legs or apples
- Use in logistics for picking small parts in packaging such as nets or bags
- Use in automated systems in which different products are processed

Design

- Compact base body (1) made of aluminum or PET-P (Hygienic Design) with flange for connection to common robots
- Pneumatic connection (2) supplies the gripper with pressure or vacuum to open and close the fingers
- The second pneumatic connection (2a) supplies the bellows suction cup for controlling suction and blow off
- Fingers (3) can be variably aligned to achieve centric or parallel picks both inwards and outwards
- Finger connection (4) according to EHEDG guidelines prevents long-term contamination
- Available as combination gripper with centered bellows suction cup (5) for increased gripping force and stabilization during transfer

Product Highlights

- Flexible, gentle and low-marking gripper for a wide range of tasks thanks to rounded design based on the human hand
- Finger gripper optionally in hygienic design, suitable for direct food handling
- Flexible finger connection for the realization of different gripping patterns with only one tool
- Slim fingers allow handling of closely positioned workpieces
- Opening angle, gripping force and finger positions can be flexibly adjusted

Finger gripper OFG

Ordering Data Finger gripper OFG

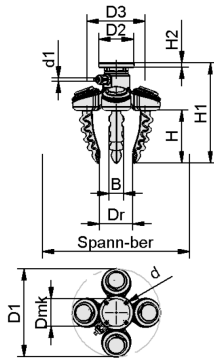
| Type | Part no. |
|------------------------|----------------|
| OFG HYG SI-70 31.5 | 10.01.51.00001 |
| OFG HYG SI-70 50 | 10.01.51.00002 |
| OFG SI-70 31.5 | 10.01.51.00003 |
| OFG SI-70 50 | 10.01.51.00004 |
| OFG SI-70 31.5 SPB4-30 | 10.01.51.00009 |

Technical Data Finger gripper OFG

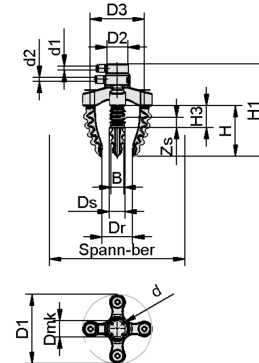
| Type | Weight [g] | Material | Pressure range (operating pressure) [bar] | Operating temperature [°C] |
|------------------------|------------|----------|---|----------------------------|
| OFG HYG SI-70 31.5 | 500 | PETP | -0.8 ... 1.0 bar | -30 ... 80 °C |
| OFG HYG SI-70 50 | 585 | PETP | -0.8 ... 1.0 bar | -30 ... 80 °C |
| OFG SI-70 31.5 | 552 | AL | -0.8 ... 1.0 bar | -30 ... 80 °C |
| OFG SI-70 31.5 SPB4-30 | 612 | AL | -0.8 ... 1.0 bar | -30 ... 80 °C |
| OFG SI-70 50 | 614 | AL | -0.8 ... 1.0 bar | -30 ... 80 °C |

Finger gripper OFG

Design Data Finger gripper OFG



OFG



OFG SPB4

Finger gripper OFG

Design Data Finger gripper OFG

| Type | B [mm] | d [mm] | d1 [mm] | D1 [mm] | D2 [mm] | d2 [mm] | D3 [mm] | Dmk [mm] | Durchmesser Dr [mm] | Ds [mm] | H [mm] | H1 [mm] | H2 [mm] | H3 [mm] | Zs [mm] | Clamping range [mm] |
|------------------------|--------|--------|---------|---------|---------|---------|---------|----------|---------------------|---------|--------|---------|---------|---------|---------|---------------------|
| OFG HYG SI-70 31.5 | 26.4 | 5.3 | 8 | 159 | 42 | - | 105 | 31.5 | 61 | - | 96.0 | 165.5 | 5 | - | - | - |
| OFG HYG SI-70 50 | 26.4 | 6.4 | 8 | 159 | 65 | - | 105 | 50.0 | 61 | - | 96.0 | 189.5 | 13 | - | - | - |
| OFG SI-70 31.5 | 26.4 | 5.3 | 8 | 135 | 42 | - | 105 | 31.5 | 61 | - | 99.3 | 165.5 | 5 | - | - | - |
| OFG SI-70 50 | 26.4 | 6.4 | 8 | 135 | 63 | - | 105 | 50.0 | 61 | - | 99.3 | 180.5 | 8 | - | - | - |
| OFG SI-70 31.5 SPB4-30 | 26.4 | 5.3 | 8 | 135 | 42 | 8 | 105 | 31.5 | 61 | 31 | 99.3 | 180.8 | - | 44 | 20 | - |