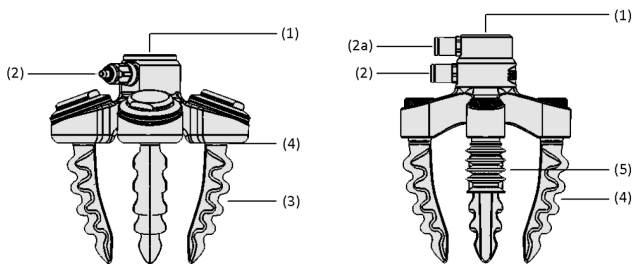


# Finger Grippers OFG

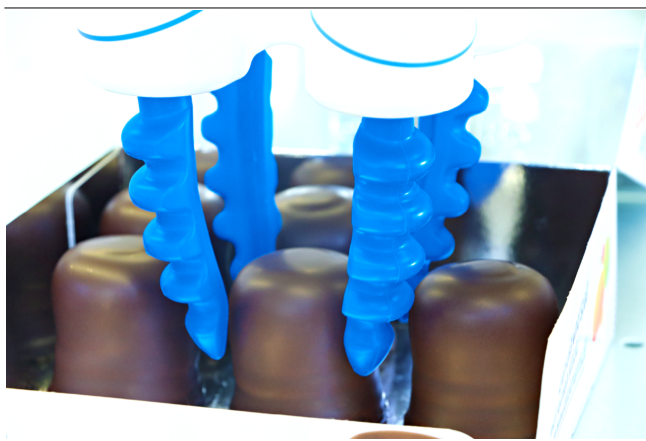
Basic design or hygienic design



Finger Grippers OFG



System Design Finger Grippers OFG



Finger gripper SFG when handling foodstuffs

## 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 main 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 Grippers OFG

Basic design or hygienic design

## Designation Code Finger Grippers OFG

|            |   |            |   |              |   |             |   |                |
|------------|---|------------|---|--------------|---|-------------|---|----------------|
| <b>OFG</b> | - | <b>HYG</b> | - | <b>SI-70</b> | - | <b>31.5</b> | - | <b>SPB4-30</b> |
| 1          |   | 2          |   | 3            |   | 4           |   | 5              |

### 1 – Abbreviated designation

| Code | Version |
|------|---------|
| OFG  | OFG     |

### 2 – Variant

| Code | Type            |
|------|-----------------|
| HYG  | Hygienic design |

### 3 – Material

| Code  | Connection |
|-------|------------|
| SI-70 | Silicone   |

### 4 – Mounting

| Code | Type      |
|------|-----------|
| 31.5 | 31.5-4-M5 |
| 50   | 50-4-M6   |

### 5 – Sealing element

| Code    | Type              |
|---------|-------------------|
| SPB4-30 | Suction cup (ø30) |

The finger gripper OFG is supplied as a ready-to-connect product.

Available spare parts: wearing parts kit

Available accessories: control unit, mounting set

## Ordering Data Finger Grippers 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 |

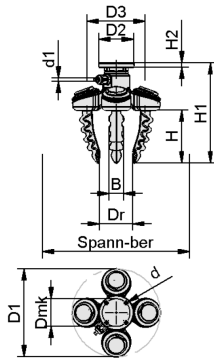
## Technical Data Finger Grippers OFG

| 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              |

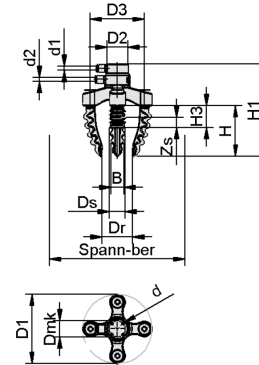
# Finger Grippers OFG

Basic design or hygienic design

## Design Data Finger Grippers OFG



OFG



OFG SPB4

# Finger Grippers OFG

Basic design or hygienic design

## Design Data Finger Grippers 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      | -                   |

## Multimedia product presentation

### Medium

Product video

### Link

<https://vimeo.com/489318285>  
<https://vimeo.com/512943530>  
<https://vimeo.com/466209405>  
<https://vimeo.com/461418375>