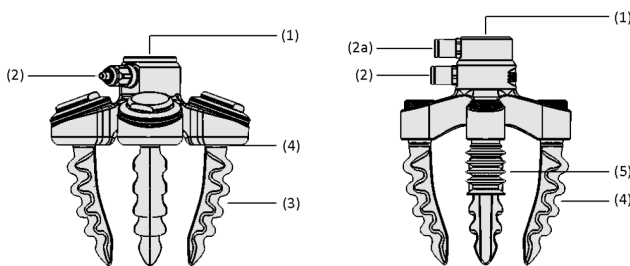


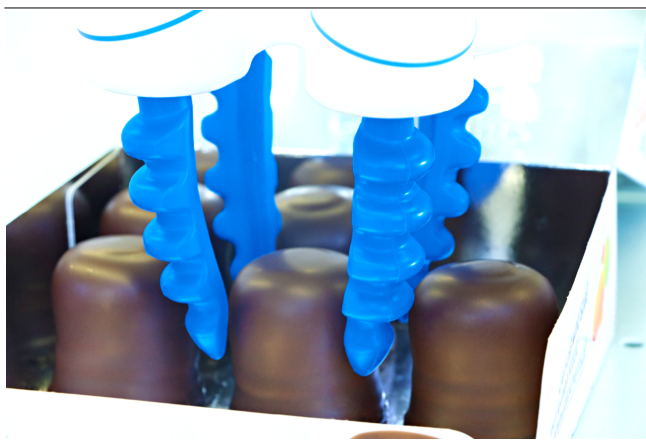
# Finger gripper OFG



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

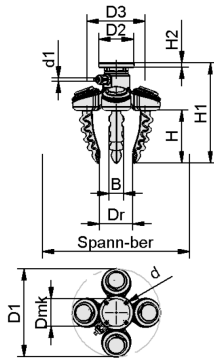
Type	Part no.
OFG HYG SI-70 31.5	10.01.51.00001
OFG HYG SI-70 50	10.01.51.00002
OFG SI-70 31.5	10.01.51.00003
OFG SI-70 50	10.01.51.00004
OFG SI-70 31.5 SPB4-30	10.01.51.00009

## 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

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## Design Data Finger gripper OFG

Type	B [mm]	d [mm]	d1 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	Dmk [mm]	H [mm]	H1 [mm]	H2 [mm]	Clamping range [mm]
OFG HYG SI-70 31.5	26.4	5.3	8	159	42	-	31.5	96.0	165.5	5	-
OFG HYG SI-70 50	26.4	6.4	8	159	65	-	50.0	96.0	189.5	13	-
OFG SI-70 31.5	26.4	5.3	8	135	42	-	31.5	99.3	165.5	5	-
OFG SI-70 50	26.4	6.4	8	135	63	-	50.0	99.3	180.5	8	-
OFG SI-70 31.5 SPB4-30	26.4	5.3	8	135	42	-	31.5	99.3	180.8	-	-