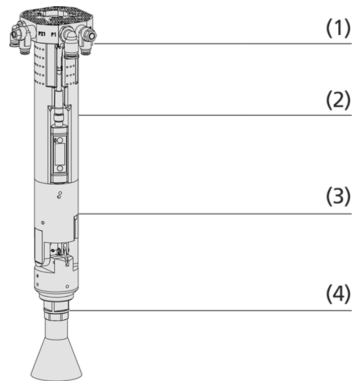


# Bin Picker SBPG

Internal and external vacuum generation



Bin Picker SBPG



System Design Bin Picker SBPG



Schmalz Bin-Picker SBPG for handling deodorant spray cans

## Suitability for Industry Specific Applications

### Applications

- Ready-to-connect vacuum gripper for automated bin picking
- Removal from containers with a random or pre-sorted packing pattern
- Handling of freeform parts thanks to a flexible suction cup that adapts optimally to the contour of the workpiece
- The low weight makes it ideal for stationary handling tasks with collaborative robots

### Design

- Flange (1) including pneumatic connections
- Basic module (2) with integrated vacuum switch VSi, pneumatic vacuum generator and silencer (optional)
- Swiveling unit (3), can be swiveled 45° on one side (optional)
- Actuator quick-change (4)
- Interface for optional camera module (5)

### Product Highlights

- Compact, efficient and easy to clean thanks to integrated vacuum generation
- Optimal sealing and holding force even when gripping corners and edges thanks to special bin picking suction cup
- Fast quality control of workpieces due to the optional swivel module
- Low weight and dynamic geometry thanks to additive manufacturing
- MRK suitability

# Bin Picker SBPG

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## Designation Code Bin Picker SBPG

<b>SBPG-SET</b>	-	<b>X</b>	-	<b>PSE</b>	-	<b>QS</b>	-	<b>50</b>	-	<b>SVE</b>
1		2		3		4		5		6

### 1 – Abbreviated designation

Code	Version
SBPG	SBPG
SBPG-SET	Handling set SBPG

### 2 – Vacuum generation

Code	Version
X	Integrated vacuum generation
M	External vacuum generation

### 3 – Additional function

Code	Type
PSE	With pneumatic swiveling unit

### 4 – Additional function

Code	Type
QS	Quick-change system

### 5 – Pitch circle flange in mm

Code	Type
50	50

### 6 – Suction cup

Code	Type
SVE	Bin-picking suction cup SVE

The Schmalz Bin-Picker SBPG is supplied as a product ready to connect and is available in the following variants:

- With integrated pneumatic vacuum generation and swivel module
- With integrated pneumatic vacuum generation without swivel module
- For external vacuum generation with swivel module
- For external vacuum generation without swivel module

## Ordering Data Bin Picker SBPG

Type	Part no.
SBPG X PSE 50 SVE	10.01.45.00001
SBPG X 50 SVE	10.01.45.00002
SBPG M PSE 50 SVE	10.01.45.00003
SBPG M 50 SVE	10.01.45.00004
SBPG-SET X PSE QS 50	10.01.45.00011
SBPG-SET X QS 50	10.01.45.00012
SBPG-SET M PSE QS 50	10.01.45.00013
SBPG-SET M QS 50	10.01.45.00014

## Ordering Data Spare Parts Bin Picker SBPG

Type	Part no.
SVE 53 PU-55 G3/8-AG	10.01.19.00257
SWA P/Pu 45 SBPG	10.01.45.00008
VSi V D M8-4	10.06.02.00577

## Ordering Data Accessories Bin Picker SBPG

Type	Part no.
VENT-BGR 24V-DC E-KET 1,8M	Valve assembly 10.01.45.00032
VENT-BGR 24V-DC E-KET 2,2M	Valve assembly 10.01.45.00033

Accessories	Part no.
HTR-S UNI RA	Suction cup holder 10.01.45.00005

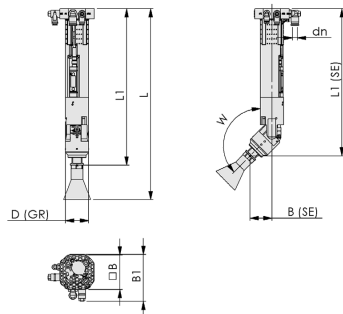
Accessories	Part no.
RFBP 50 50 SPB2	Gripper, 50 x 50, suction cup 10.01.45.00094
RFBP 100 58 SPB2	Gripper, 100 x 58, suction cup 10.01.45.00088
RFBP 100 58 O10	Gripper, 100 x 58, foam 10.01.45.00089
RFBP 120 120 SPB2	Gripper, 120 x 120, suction cup 10.01.45.00082
RFBP 120 120 O10	Gripper, 120 x 120, foam 10.01.45.00083

# Bin Picker SBPG

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## Design Data Bin Picker SBPG

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# Bin Picker SBPG

Internal and external vacuum generation

## Design Data Bin Picker SBPG

Type	B [mm]	B1 [mm]	B (SE) [mm]	D (GR) [mm]	dn	L [mm]	L1 [mm]	L1 (SE) [mm]	W [°]
SBPG X PSE 50 SVE	67	91	43	45	8	380	312	294	135
SBPG X 50 SVE	67	88	-	45	8	336	268	-	-
SBPG M PSE 50 SVE	67	94	43	45	10	360	292	274	135
SBPG M 50 SVE	67	94	-	45	10	316	248	-	-
SBPG-SET X PSE QS 50	-	-	-	45	-	380	-	-	135
SBPG-SET X QS 50	-	-	-	45	-	336	-	-	-
SBPG-SET M PSE QS 50	-	-	-	45	-	360	-	-	135
SBPG-SET M QS 50	-	-	-	45	-	316	-	-	-

## Multimedia product presentation

Medium	Link
Product video	<a href="https://vimeo.com/580298019">https://vimeo.com/580298019</a> <a href="https://vimeo.com/489309947">https://vimeo.com/489309947</a> <a href="https://vimeo.com/426241151">https://vimeo.com/426241151</a>