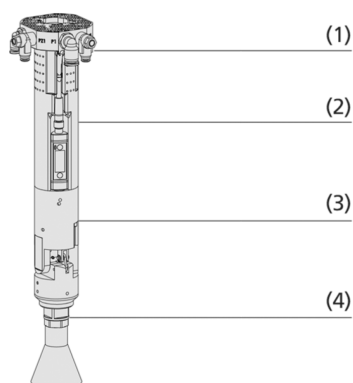


Bin Picker SBPG

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

Application

- 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

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Designation code Bin Picker SBPG

SBPG-SET	–	X	–	PSE	–	QS	–	50	–	SVE
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

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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

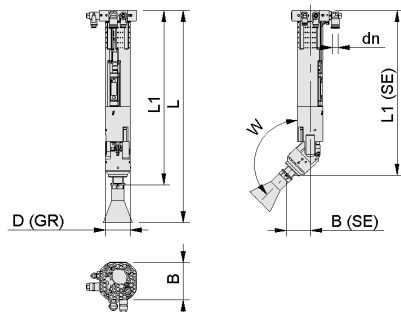
Accessories		Part no.
HTR-S UNI RA	Suction cup holder	10.01.45.00005
SWA 45 SBPG	Quick-change adapter	10.01.45.00104

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

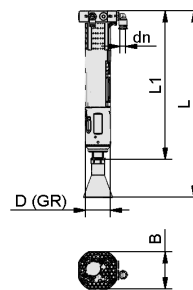
Bin Picker SBPG

Internal and external vacuum generation

Design data Bin Picker SBPG



SBPG PSE



SBPG

Bin Picker SBPG

Internal and external vacuum generation

Design data Bin Picker SBPG

Type	B [mm]	B (SE) [mm]	D (GR) [mm]	dn	L [mm]	L1 [mm]	L1 (SE) [mm]	W [°]
SBPG X PSE 50 SVE	67	43	45	8	380	312	294	135
SBPG X 50 SVE	67	-	45	8	336	268	-	-
SBPG M PSE 50 SVE	67	43	45	10	360	292	274	135
SBPG M 50 SVE	67	-	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	https://vimeo.com/580298019
	https://vimeo.com/489309947
	https://vimeo.com/426241151