PXT Series - Single Beam End-of-Arm Tooling Kit

Schmalz PXT is a system of parts that allows the user to build end-of-arm tooling for lightweight robots. The single beam kit has everything needed to build a small end-of-arm tool.

Features:

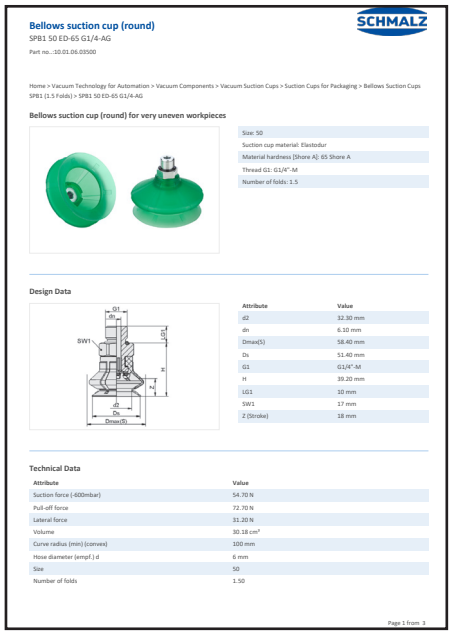
- Includes structural rail, connectors, cup mounts, vacuum tubing, vacuum cups, fittings and robot interfaces flanges
- Basic vacuum ejector included
- Purchase additional components as needed to build a custom design

PXT Series - Single Beam Gripper Framing Kit				
Part No.	***Description***	***Price***	***Drawing Link***	***Vendor Manual***
10.01.49.00090	Schmalz PXT series single beam gripper framing kit, kit includes Universal Robots and blank flanges, extruded rails and assorted parts.	$1,251.00	PDF	PDF

See the System Insert for a full list of included items

Permissible loads vary with product weight, tool overall dimensions and configuration. Complete load and dimension limitations are listed in the installation and assembly guide, see link above for Vendor Manual.

For specs on included suction cups, please see the suction cup specifcations below:



Bellows suction cup (round)

SPB1 50 ED-65 G1/4-AG

Part no. :10.01.06.03500

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Suction Cups > Suction Cups for Packaging > Bellows Suction Cups SPB1 (1.5 Folds) > SPB1 50 ED-65 G1/4-AG

Bellows suction cup (round) for very uneven workpieces

Size: 50	
Suction cup material: Elastodur	
Material hardness [Shore A]: 65 Shore A	
Thread G1: G1/4"-M	
Number of folds: 1.5	

Design Data

Attribute	Value
d2	32.30 mm
dn	6.10 mm
Dmax(S)	58.40 mm
Ds	51.40 mm
G1	G1/4"-M
H	39.20 mm
LG1	10 mm
SW1	17 mm
Z (Stroke)	18 mm

Technical Data

Attribute	Value
Suction force (-600mbar)	54.70 N
Pull-off force	72.70 N
Lateral force	31.20 N
Volume	30.18 cm³
Curve radius (min) (convex)	100 mm
Hose diameter (empf.) d	6 mm
Size	50
Number of folds	1.50

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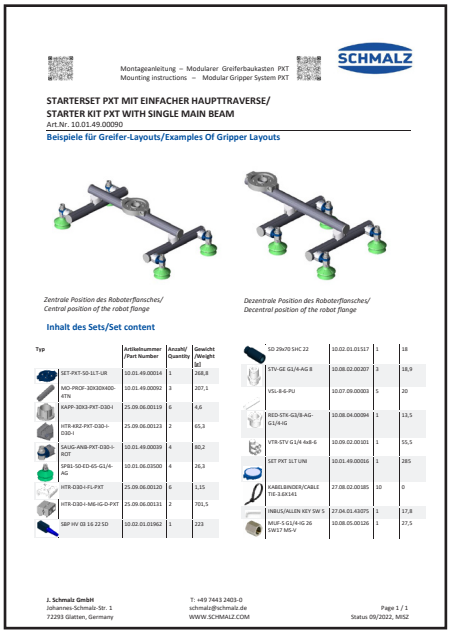

Montageanleitung – Modularer Greiferbaukasten PXT
Mounting instructions – Modular Gripper System PXT

STARTERSET PXT MIT EINFACHER HAUPTTRAVERSE/
STARTER KIT PXT WITH SINGLE MAIN BEAM
Art.Nr.: 10.01.49.00090

Beispiele für Greifer-Layouts/Examples Of Gripper Layouts

Zentrale Position des Roboterflansches/
Central position of the robot flange

Dezentrale Position des Roboterflansches/
Decentral position of the robot flange

Inhalt des Sets/Set content

Typ	Artikelnummer /Part Number	Anzahl/ Quantity	Gewicht /Weight [g]
SET-PXT-SD-1LT-UR	10.01.49.00014	1	268,8
MO-PROF-30X30X400-KTN	10.01.49.00092	3	207,1
KAPP-30X3-PXT-D30-I	25.09.06.00119	6	4,6
HTR-KR2-PXT-D30-I-D30-I	25.09.06.00123	2	65,3
SAUG-ANB-PXT-D30-I-ROT	10.01.49.00039	6	80,2
SPB1-50-ED-65-G1/4-AG	10.01.06.03500	4	26,3
HTR-D30-I-FL-PXT	25.09.06.00120	6	1,15
HTR-D30-I-M6-IG-D-PXT	25.09.06.00131	2	701,5
SBP HV 08 16 22 SD	10.02.01.01962	1	223
SD 29x70 SHC 22	10.02.01.01517	1	18
STV-GE G1/4-AG 8	10.08.02.00207	3	18,9
VSL-8-6-PU	10.07.09.00003	6	20
RED-STK-G3/8-AG-G1/4-IG	10.08.04.00094	1	13,5
VTR-STV G1/4 4x8-6	10.09.02.00101	1	55,5
SET PXT 1LT UNI	10.01.49.00016	1	285
KABELBINDER/CABLE TIE-3.6X141	27.08.02.00185	10	0
INBUS/ALLEN KEY SW 5	27.04.01.43075	1	17,8
MUF-S G1/4-AG 26 SW17 MS-V	10.08.05.00126	1	27,5

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schmalz@schmalz.de
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PXT Series - Double Beam End-of-Arm Tooling Kit

Schmalz PXT is a system of parts that allows the user to build end-of-arm tooling for lightweight robots. The double beam kit has everything needed to build a medium-sized end-of-arm tool.

Features:

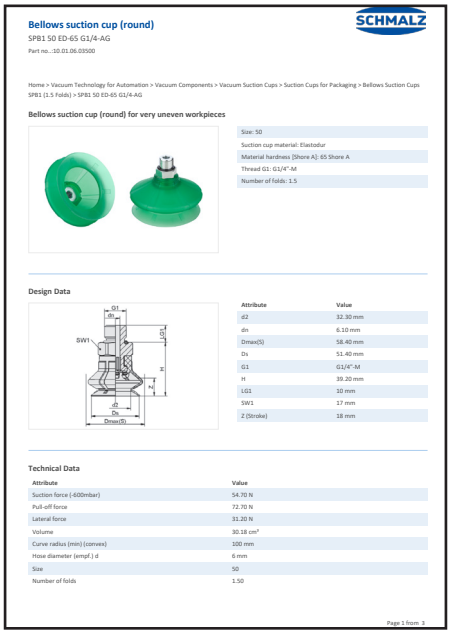
- Includes structural rail, connectors, cup mounts, vacuum tubing, vacuum cups, fittings and robot interfaces flanges
- Basic vacuum ejector included
- Purchase additional components as needed to build a custom design

PXT Series - Double Beam Gripper Framing Kit				
Part No.	***Description***	***Price***	***Drawing Link***	***Vendor Manual***
10.01.49.00091	Schmalz PXT series double beam gripper framing kit, kit includes Universal Robots flange, extruded rails and assorted parts.	$2,007.00	PDF	PDF

See the System Insert for a full list of included items

Permissible loads vary with product weight, tool overall dimensions and configuration. Complete load and dimension limitations are listed in the installation and assembly guide, see link above for Vendor Manual.

For specs on included suction cups, please see the suction cup specifcations below:



Bellows suction cup (round)

SPB1 50 ED-65 G1/4-AG

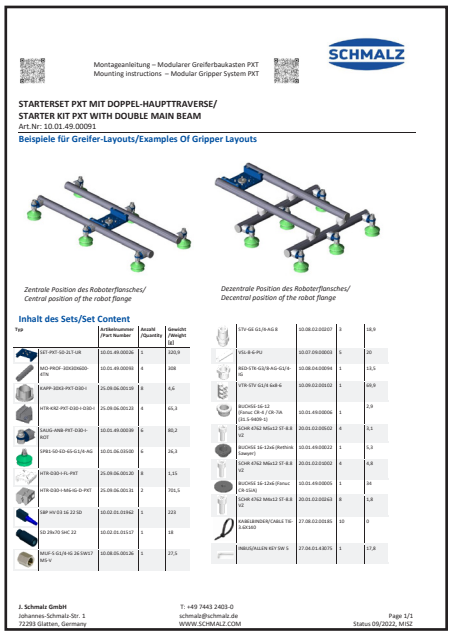
Bellows suction cup (round) for very uneven workpieces

Design Data

Attribute	Value
d2	32.30 mm
dn	6.10 mm
Dmax(S)	58.40 mm
Ds	51.40 mm
G1	G1/4"-M
H	39.20 mm
LG1	10 mm
SW1	17 mm
Z (Stroke)	18 mm

Technical Data

Attribute	Value
Suction force (-600mbar)	54.70 N
Pull-off force	72.70 N
Lateral force	31.20 N
Volume	30.18 cm³
Curve radius (min) (convex)	100 mm
Hose diameter (empf.) d	6 mm
Size	50
Number of folds	1.50



Montageanleitung – Modularer Greiferbaukasten PXT
Mounting instructions – Modular Gripper System PXT

STARTERSET PXT MIT DOPPEL-HAUPTTRAVERSE/
STARTER KIT PXT WITH DOUBLE MAIN BEAM
Art.Nr: 10.01.49.00091

Beispiele für Greifer-Layouts/Examples Of Gripper Layouts

Zentrale Position des Roboterflansches/
Central position of the robot flange

Dezentrale Position des Roboterflansches/
Decentral position of the robot flange

Inhalt des Sets/Set Content

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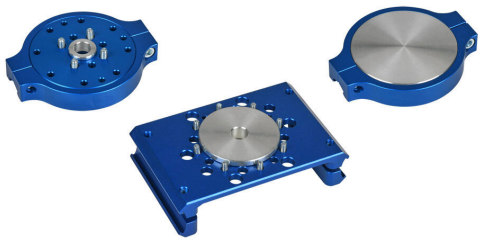
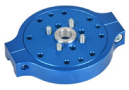
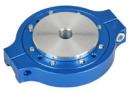
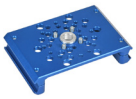
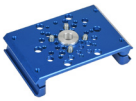
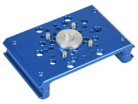
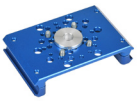
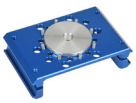
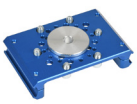
PXT Series - Interface Flange Components



Schmalz PXT robot interface flange sets allow easy connection of end-of-arm tooling to many popular lightweight robot arms. Flanges are available to mount either single or double beam tooling setups.

Features:

- Low profile flanges help minimize space for tooling. This allows more range of motion for the robot
- Flange patterns fit many popular lightweight robots
- Blank flange available to allow user customization
- All flanges constructed of lightweight anodized aluminum

PXT Series - Interface Flange Components					
Item Image	*Part No.*	*Description*	*Price*	*Drawing Link*	*Vendor Manual*
	***10.01.49.00012***	Schmalz PXT series interface flange, single beam. For use with FANUC 31.5mm pitch robot arm. Mounting hardware included.	$353.00	PDF	PDF
	***10.01.49.00013***	Schmalz PXT series interface flange, single beam. For use with FANUC 64mm pitch robot arm. Mounting hardware included.	$353.00	PDF	PDF
	10.01.49.00014	Schmalz PXT series interface flange, single beam. For use with Universal Robots 50mm pitch robot arm. Mounting hardware included.	$353.00	PDF	PDF
	10.01.49.00015	Schmalz PXT series interface flange, single beam. For use with Yaskawa 63mm pitch robot arm. Mounting hardware included.	$353.00	PDF	PDF
	10.01.49.00016	Schmalz PXT series interface flange blank, single beam. For use with robots or other automation devices.	$353.00	PDF	PDF
	***10.01.49.00024***	Schmalz PXT series interface flange, double beam. For use with FANUC 31.5mm pitch robot arm. Mounting hardware included.	$511.00	PDF	PDF
	***10.01.49.00025***	Schmalz PXT series interface flange, double beam. For use with Rethink 40mm pitch robot arm. Mounting hardware included.	$511.00	PDF	PDF
	***10.01.49.00026***	Schmalz PXT series interface flange, double beam. For use with Universal Robots 50mm pitch robot arm. Mounting hardware included.	$511.00	PDF	PDF
	***10.01.49.00027***	Schmalz PXT series interface flange, double beam. For use with Yaskawa 63mm pitch robot arm. Mounting hardware included.	$511.00	PDF	PDF
	***10.01.49.00028***	Schmalz PXT series interface flange, double beam. For use with FANUC 64mm pitch robot arm. Mounting hardware included.	$511.00	PDF	PDF
	***10.01.49.00029***	Schmalz PXT series interface flange, double beam. For use with Yaskawa 80mm pitch robot arm. Mounting hardware included.	$511.00	PDF	PDF

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).

PXT Series - Mounting Components

Schmalz PXT mounting components allow for easy assembly of custom end-of-arm tooling. These components work with Schmalz PXT extruded rails to build vacuum tooling systems to lift moderate loads.

Features:

- Easy to assemble and adjust to fit a wide range of applications
- Connectors that are internal vacuum capable allow for very clean and compact systems
- All parts are anodized aluminum

PXT Series - Mounting Components					
Item Image	*Part No.*	*Description*	*Price*	*Drawing Link*	*Vendor Manual*
	10.01.49.00034	Schmalz PXT series rail connector, cross, internal vacuum capable, aluminum alloy. For use with (2) D30-I profiles.	$261.00	PDF	PDF
	25.09.06.00123	Schmalz PXT series rail connector, cross, aluminum alloy. For use with (2) D30-I profiles.	$35.00	PDF	PDF
	25.09.06.00143	Schmalz PXT series tubing holder, plastic. Package of 10.	$24.00	N/A	PDF
	25.09.06.00131	Schmalz PXT series rail connector, threaded, aluminum alloy. For use with D30-I profile.	$36.50	PDF	PDF
	10.01.49.00047	Schmalz PXT series rail connector, tee, aluminum alloy. For use with (2) D30-I profiles.	$27.00	PDF	PDF
	25.09.06.00121	Schmalz PXT series rail connector, parallel, aluminum alloy. For use with (2) D30-I profiles.	$18.00	PDF	PDF
	25.09.06.00122	Schmalz PXT series tube clamp, aluminum alloy. For use with 30mm round tube.	$18.50	PDF	PDF

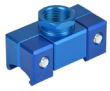
For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).

PXT Series - Connection Components

Schmalz PXT cup mounts allow easy mounting of vacuum cups at any location desired on PXT extruded rail. All mounts have female G1/4 BSPP connection to fit a wide range of vacuum cups.

Features:

- External or internal vacuum mounts available
- Drill bushing for internal vacuum mounts ensures precision location and a leak-free connection
- 5/16in (8mm) push-to-connect vacuum connections for external vacuum allow quick and easy hook-up

PXT Series - Connection Components					
Item Image	*Part No.*	*Description*	*Price*	*Drawing Link*	*Vendor Manual*
	10.01.49.00036	Schmalz PXT series suction cup mount, slotted, 5/16in (8mm) push-to-connect vacuum connection, G1/4 female BSPP cup connection, aluminum alloy. For use with D30-I profile.	$170.00	PDF	PDF
	10.01.49.00039	Schmalz PXT series suction cup mount, swivel, 5/16in (8mm) push-to-connect vacuum connection, G1/4 female BSPP cup connection, aluminum alloy. For use with D30-I profile.	$114.00	PDF	PDF
	***10.01.49.00045***	Schmalz PXT series suction cup mount, straight, internal vacuum capable, G1/4 female BSPP cup connection, aluminum alloy. For use with D30-I profile.	$205.00	PDF	PDF
	10.01.49.00046	Schmalz PXT series suction cup mount, swivel, internal vacuum capable, G1/4 female BSPP cup connection, aluminum alloy. For use with D30-I profile.	$270.00	PDF	PDF
	10.01.49.00038	Schmalz PXT series suction cup mount, swivel, aluminum alloy. For use with D30-I profile.	$76.00	PDF	PDF
	10.01.49.00044	Schmalz PXT series drill bushing, internal vacuum capable, 8mm, steel. For use with M16x1 threaded hole.	$39.00	N/A	PDF
	10.01.49.00057	Schmalz PXT series drilling fixture, internal vacuum capable, 8mm, aluminum alloy. For use with 8mm drill bushing.	$84.00	N/A	PDF
	10.08.02.00589	Schmalz PXT series suction cup connector, straight, 5/16in (8mm) push-to-connect vacuum connection, G1/4 female BSPP cup connection.	$57.00	PDF	PDF

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).

PXT Series - Structural Rail

Schmalz PXT structural rail comes in two profiles each in lengths of 500mm and 1000mm. The D30-I profile can carry internal vacuum for a cleaner, more compact system.

Features:

- 30mm round and 30 x 25mm D-shape profiles
- T-slots work with connectors and mounts for quick and easy assembly
- Anodized aluminum

PXT Series - Structural Rail Components					
Item Image	*Part No.*	*Description*	*Price*	*Drawing Link*	*Vendor Manual*
	10.01.49.00087	Schmalz PXT series structural rail, internal vacuum capable, round, D30-I (30 x 30mm) profile, 1000mm length, anodized aluminum.	$66.00	PDF	PDF
	10.01.49.00086	Schmalz PXT series structural rail, internal vacuum capable, round, D30-I (30 x 30mm) profile, 500mm length, anodized aluminum.	$50.00	PDF	PDF
	10.01.49.00089	Schmalz PXT series structural rail, half-round, 8D30-I (30 x 25mm) profile, 1000mm length, anodized aluminum.	$73.00	PDF	PDF
	10.01.49.00088	Schmalz PXT series structural rail, half-round, 8D30-I (30 x 25mm) profile, 500mm length, anodized aluminum.	$55.00	PDF	PDF
	10.01.49.00031	Schmalz PXT series end seal, internal vacuum capable, aluminum alloy. For use with D30-I profile.	$45.50	PDF	PDF
	25.09.06.00144	Schmalz PXT series end cap, plastic. Package of 6. For use with D30-I profile.	$23.50	PDF	PDF
	25.09.06.00145	Schmalz PXT series end cap, plastic. Package of 6. For use with 8D30-I profile.	$23.50	PDF	PDF

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).

Vacuum Suction Cups with Fittings - Elastodur

Part No. 10.01.01.13244
Model No. SPF-30-ED-65-G1/8-AG

Part No. 10.01.06.03489
Model No. SPB1-10-ED-65-M5-AG

Part No. 10.01.06.03457
Model No. SPB2-30-ED-65-G1/8-AG

Schmalz Elastodur suction cups are a durable choice for most cardboard and rigid packaging vacuum applications. AutomationDirect.com's offering includes flat and bellows cups with G-thread (BSPP) fittings. Sizes range from 10 to 60mm diameter. Replacement cups are available for all sizes.

Features:

- Elastodur cup material with aluminum fitting
- Flat, single bellows and double bellows styles
- Sizes 10mm to 60mm diameter
- Fitting sizes M5 to G 1/4

Vacuum Suction Cups with Fittings - Elastodur

Part No.	Schmalz Model No.	Price	Style	Fold(s)	Size	Fitting Connection	Drawing Link	Manufacturer Specs
10.01.01.13240	SPF-20-ED-65-G1/8-AG	$15.00	Flat	-	20mm	G1/8 male BSPP	PDF	PDF
10.01.01.13244	SPF-30-ED-65-G1/8-AG	$16.50			30mm		PDF	PDF
10.01.01.13246	SPF-40-ED-65-G1/4-AG	$23.50			40mm	G1/4 male BSPP	PDF	PDF
10.01.01.13248	SPF-50-ED-65-G1/4-AG	$26.50			50mm		PDF	PDF
10.01.06.03489	SPB1-10-ED-65-M5-AG	$15.50	Bellows	1	10mm	M5 male	PDF	PDF
10.01.06.03492	SPB1-20-ED-65-G1/8-AG	$18.00			20mm	G1/8 male BSPP	PDF	PDF
10.01.06.03496	SPB1-30-ED-65-G1/8-AG	$20.50			30mm		PDF	PDF
10.01.06.03498	SPB1-40-ED-65-G1/4-AG	$27.00			40mm	G1/4 male BSPP	PDF	PDF
10.01.06.03500	SPB1-50-ED-65-G1/4-AG	$31.00			50mm		PDF	PDF
10.01.06.03502	SPB1-60-ED-65-G1/4-AG	$34.00			60mm		PDF	PDF
10.01.06.03453	SPB2-20-ED-65-G1/8-AG	$21.00		2	20mm	G1/8 male BSPP	PDF	PDF
10.01.06.03457	SPB2-30-ED-65-G1/8-AG	$26.00			30mm		PDF	PDF
10.01.06.03459	SPB2-40-ED-65-G1/4-AG	$33.50			40mm	G1/4 male BSPP	PDF	PDF
10.01.06.03461	SPB2-50-ED-65-G1/4-AG	$39.50			50mm		PDF	PDF

Part No. 10.01.01.12370
Model No. SPF-20-ED-65-SC040

Part No. 10.01.06.02782
Model No. SPB1-10-ED-65-SC030

Part No. 10.01.06.03409
Model No. SPB2-20-ED-65-SC040

Replacement Vacuum Suction Cups - Elastodur

Part No.	Schmalz Model No.	Price	Style	Fold(s)	Size	Manufacturer Specs
10.01.01.12370	SPF-20-ED-65-SC040	$13.00	Flat	-	20mm	PDF
10.01.01.12372	SPF-30-ED-65-SC040	$10.50			30mm	PDF
10.01.01.12373	SPF-40-ED-65-SC040	$15.00			40mm	PDF
10.01.01.12374	SPF-50-ED-65-SC040	$17.50			50mm	PDF
10.01.06.02782	SPB1-10-ED-65-SC030	$9.00	Bellows	1	10mm	PDF
10.01.06.02452	SPB1-20-ED-65-SC040	$10.50			20mm	PDF
10.01.06.02454	SPB1-30-ED-65-SC040	$14.00			30mm	PDF
10.01.06.02455	SPB1-40-ED-65-SC050	$18.00			40mm	PDF
10.01.06.02456	SPB1-50-ED-65-SC050	$21.50			50mm	PDF
10.01.06.02457	SPB1-60-ED-65-SC050	$24.00			60mm	PDF
10.01.06.03409	SPB2-20-ED-65-SC040	$15.50		2	20mm	PDF
10.01.06.03411	SPB2-30-ED-65-SC040	$20.50			30mm	PDF
10.01.06.03412	SPB2-40-ED-65-SC050	$24.50			40mm	PDF
10.01.06.03413	SPB2-50-ED-65-SC050	$30.50			50mm	PDF

For additional details see manfacturer's technical specifications, manuals and inserts (where applicable).

Vacuum Suction Cups with Fittings - Silicone

Part No. 10.01.06.00092
Model No. FSGA-43-SI-55-G1/4-AG

Part No. 10.01.06.03526
Model No. SPB4-40-SI-55-G1/4-AG

Schmalz silicone suction cups are an excellent choice for for applications requiring resistance to elevated temperatures and FDA requirements. AutomationDirect.com's offering includes bellows cups with G-thread (BSPP) fittings. Sizes range from 14 to 63mm diameter. Replacement cups are available for all sizes.

Features:

- Silicone cup material with aluminum fitting
- Single and quadruple bellows styles
- Sizes 14 to 63mm diameter
- Fitting sizes G 1/8 to G 1/4

Vacuum Suction Cups with Fittings - Silicone

Part No.	Schmalz Model No.	Price	Style	Fold(s)	Size	Fitting Connection	Drawing Link	Manufacturer Specs
10.01.06.00384	FSGA-14-SI-55-G1/8-AG	$15.00	Bellows	1	14mm	G1/8 male BSPP	PDF	PDF
10.01.06.00393	FSGA-20-SI-55-G1/8-AG	$15.50			20mm		PDF	PDF
10.01.06.00091	FSGA-33-SI-55-G1/4-AG	$19.50			33mm	G1/4 male BSPP	PDF	PDF
10.01.06.00092	FSGA-43-SI-55-G1/4-AG	$22.50			43mm		PDF	PDF
10.01.06.00093	FSGA-53-SI-55-G1/4-AG	$28.00			53mm		PDF	PDF
10.01.06.00686	FSGA-63-SI-55-G1/4-AG	$36.50			63mm		PDF	PDF
10.01.06.03515	SPB4-20-SI-55-G1/4-AG	$26.00		4	20mm		PDF	PDF
10.01.06.03521	SPB4-30-SI-55-G1/4-AG	$29.00			30mm		PDF	PDF
10.01.06.03526	SPB4-40-SI-55-G1/4-AG	$38.50			40mm		PDF	PDF
10.01.06.03532	SPB4-50-SI-55-G1/4-AG	$51.00			50mm		PDF	PDF

Part No. 10.01.06.00127
Model No. FGA-43-SI-55-N018

Part No. 10.01.06.02590
Model No. SPB4-40-SI-55-SC090

Replacement Vacuum Suction Cups - Silicone

Part No.	Schmalz Model No.	Price	Style	Fold(s)	Size	Manufacturer Specs
10.01.06.00371	FGA-14-SI-55-N016	$11.00	Bellows	1	14mm	PDF
10.01.06.00374	FGA-20-SI-55-N016	$12.00			20mm	PDF
10.01.06.00126	FGA-33-SI-55-N018	$12.00			33mm	PDF
10.01.06.00127	FGA-43-SI-55-N018	$15.50			43mm	PDF
10.01.06.00128	FGA-53-SI-55-N018	$20.50			53mm	PDF
10.01.06.00689	FGA-63-SI-55-N018	$29.50			63mm	PDF
10.01.06.02588	SPB4-20-SI-55-SC080	$18.50		4	20mm	PDF
10.01.06.02589	SPB4-30-SI-55-SC080	$21.00			30mm	PDF
10.01.06.02590	SPB4-40-SI-55-SC090	$29.00			40mm	PDF
10.01.06.02613	SPB4-50-SI-55-SC090	$40.50			50mm	PDF

For additional details see manfacturer's technical specifications, manuals and inserts (where applicable).

Vacuum Suction Cups with Fittings - Nitrile Rubber

Part No. 10.01.06.00390
Model No. FSGA-20-NBR-55-G1/8-AG

Part No. 10.01.06.00083
Model No. FSGA-53-NBR-55-G1/4-AG

Schmalz nitrile suction cups are an excellent choice for many general purpose vacuum applications. AutomationDirect.com's offering includes bellows cups with G-thread (BSPP) fittings. Sizes range from 14 to 78mm. Replacement cups are available for all sizes.

Features:

- Durable nitrile cup material for a large range of uses
- Single bellows style for uneven surfaces
- Sizes 14 to 78mm diameter
- Fitting sizes G1/8 to G1/4

Vacuum Suction Cups with Fittings - Nitrile Rubber								
Part No.	*Schmalz Model No.*	*Price*	*Style*	*Fold(s)*	*Size*	*Fitting Connection*	*Drawing Link*	*Manufacturer Specs*
10.01.06.00381	FSGA-14-NBR-55-G1/8-AG	$10.50	Bellows	1	14mm	G1/8 male BSPP	PDF	PDF
10.01.06.00390	FSGA-20-NBR-55-G1/8-AG	$12.00			20mm		PDF	PDF
10.01.06.00081	FSGA-33-NBR-55-G1/4-AG	$17.00			33mm	G1/4 male BSPP	PDF	PDF
10.01.06.00082	FSGA-43-NBR-55-G1/4-AG	$19.00			43mm		PDF	PDF
10.01.06.00083	FSGA-53-NBR-55-G1/4-AG	$22.00			53mm		PDF	PDF
10.01.06.00685	FSGA 63 NBR-55 G1/4-AG	$27.50			63mm		PDF	PDF
10.01.06.00084	FSGA-78-NBR-55-G1/4-AG	$33.50			78mm		PDF	PDF

Part No. 10.01.06.00130
Model No. FGA-33-NBR-55-N018

Part No. 10.01.06.00133
Model No. FGA-78-NBR-55-N019

Replacement Vacuum Suction Cups - Nitrile Rubber						
Part No.	*Schmalz Model No.*	*Price*	*Style*	*Fold(s)*	*Size*	*Manufacturer Specs*
10.01.06.00370	FGA-14-NBR-55-N016	$6.50	Bellows	1	14mm	PDF
10.01.06.00373	FGA-20-NBR-55-N016	$9.00			20mm	PDF
10.01.06.00130	FGA-33-NBR-55-N018	$9.00			33mm	PDF
10.01.06.00131	FGA-43-NBR-55-N018	$12.00			43mm	PDF
10.01.06.00132	FGA-53-NBR-55-N018	$15.00			53mm	PDF
10.01.06.00688	FGA-63-NBR-55-N018	$21.50			63mm	PDF
10.01.06.00133	FGA-78-NBR-55-N019	$26.50			78mm	PDF

For additional details see manfacturer's technical specifications, manuals and inserts (where applicable).

Vacuum Spring Plungers and Couplers

Part No. 10.01.02.00609
Model No. FSTE-M5-IG-20

Part No. 10.01.02.00604
Model No. FSTE-G1/8-AG-50

Part No. 10.01.02.00568
Model No. FSTE-G1/4-AG-50

Schmalz vacuum spring plungers mount to suction cups and are an excellent option for pick and place operations where the product varies in height. Strokes range from 10 to 50mm.

Features:

- Barrel mounting jam nuts included
- Cup connections M5, G1/8 and G1/4
- Couplers in G1/8 and G1/4

Vacuum Spring Plungers

Part No.	Schmalz Model No.	Price	Cup Connection	Vacuum Connection	Stroke	Drawing Link	Manufacturer Specs
10.01.02.00608	FSTE-M5-IG-10	$78.00	M5 female	M5 female	10mm [0.39 in]	PDF	PDF
10.01.02.00609	FSTE-M5-IG-20	$80.00			20mm [0.79 in]	PDF	PDF
10.01.02.00603	FSTE-G1/8-AG-25	$92.00	G1/8 male BSPP	G1/8 female BSPP	25mm [0.98 in]	PDF	PDF
10.01.02.00604	FSTE-G1/8-AG-50	$95.00			50mm [1.97 in]	PDF	PDF
10.01.02.00567	FSTE-G1/4-AG-25	$104.00	G1/4 male BSPP		25mm [0.98 in]	PDF	PDF
10.01.02.00568	FSTE-G1/4-AG-50	$109.00			50mm [1.97 in]	PDF	PDF

For additional details see manfacturer's technical specifications, manuals and inserts (where applicable).

Part No. 10.08.05.00125
Model No. MUF-S-G1/8-IG-18-SW14-MS-V

Part No. 10.08.05.00126
Model No. MUF-S-G1/4-IG-26-SW17-MS-V

Vacuum Couplers

Part No.	Schmalz Model No.	Price	Fitting Connection	Drawing Link	Manufacturer Specs
10.08.05.00125	MUF-S-G1/8-IG-18-SW14-MS-V	$4.75	G1/8 female BSPP to G1/8 female BSPP	PDF	PDF
10.08.05.00126	MUF-S-G1/4-IG-26-SW17-MS-V	$5.75	G1/4 female BSPP to G1/4 female BSPP	PDF	PDF

For additional details see manfacturer's technical specifications, manuals and inserts (where applicable).

Vacuum Ejectors

Multi-Stage Ejectors

Part No. 10.02.01.01606
Model No. SBPL-100-HF-NPT

Part No. 10.02.01.01598
Model No. SBPL-100-HF

Basic Ejectors

Part No. 10.02.01.00566
Model No. SBP-15-S02-SDA

Part No. 10.02.01.01962
Model No. SBP-HV-3-16-22-KU

Schmalz multi-stage and basic ejectors are efficient with a very high suction rate. They are excellent for vacuum applications with both airtight and porous products. Either ejector is easily maintained.

Features:

- SBPL multi-stage ejectors can be used for central vacuum applications with suction rates of 500 l/min [17.7 cfm] to 860 l/min [30.4 cfm] and are ideal for porous applications
- SBP basic ejectors can mount very close to the cup with suction rates of 37.7 l/min [1.3 cfm] to 308.8 l/min [10.9 cfm] and are ideal for non-porous applications such as plastic injection molding

Vacuum Ejectors

Part No.	Schmalz Model No.	Price	Suction Rate	Inlet(s)	Vacuum Port	Drawing Link	Manufacturer Specs
10.02.01.01605	SBPL-50-HF-NPT	$541.00	500.0 l/min [17.7 cfm]	3/8 in female NPT	3/4 in female NPT	PDF	PDF
10.02.01.01606	SBPL-100-HF-NPT	$885.00	860.0 l/min [30.4 cfm]		1 inch female NPT	PDF	PDF
10.02.01.01597	SBPL-50-HF	$541.00	500.0 l/min [17.7 cfm]	G3/8 female BSPP	G3/4 female BSPP	PDF	PDF
10.02.01.01598	SBPL-100-HF	$885.00	860.0 l/min [30.4 cfm]		G1 female BSPP	PDF	PDF
10.02.01.00565	SBP-10-S02-SDA	$60.00	37.7 l/min [1.3 cfm]	6mm push-to-connect	8mm push-to-connect	PDF	PDF
10.02.01.00566	SBP-15-S02-SDA	$64.00	71.0 l/min [2.5 cfm]			PDF	PDF
10.02.01.01962	SBP-HV-3-16-22-KU	$284.00	308.8 l/min [10.9 cfm]	G1/4 female BSPP	G3/8 female BSPP	PDF	PDF

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).

Basic Ejector Accessories

Part No. 10.02.01.01517
Model No. SD-29x70-SHC-22

Basic Vacuum Ejector - Accessories

Part No.	Description	Price	Drawing Link	Manufacturer Specs
10.02.01.01517	Schmalz silencer, plastic. For use with SBP-HV-3-16-22-KU ejector.	$10.00	PDF	PDF

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).

Vacuum Ejector - Air Saving

Schmalz SCPS is a fully integrated compact ejector which includes the vacuum valve, release valve, and vacuum sensor for part present confirmation. There is an integrated air saving function to reduce air consumption by up to 80%. This ejector is ideal for pick and place applications with very short cycle times.

Features:

- Suction rate 65.5 l/min [2.3 cfm] and 85% evacuation
- M12 electrical connection
- G1/8 air and vacuum connections
- LED bar display

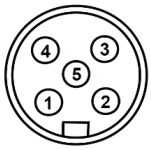
Part No. 10.02.02.04116
Model No. SCPS-15-G02-NC-M12-50-PNP

Vacuum Ejector - Air Saving

Part No.	*Schmalz Model No.*	*Price*	*Suction Rate*	*Inlet(s)*	*Vacuum Port*	*Drawing Link*	*Manufacturer Specs*
10.02.02.04116	SCPS-15-G02-NC-M12-50-PNP	$906.00	65.5 l/min [2.3 cfm]	G1/8 female BSPP	G1/8 female BSPP	PDF	PDF

For additional details see manfacturer's technical specifications, manuals and inserts (where applicable).

Electrical Connection

M12	1	BN (Brown)	$U_{S/A}$ (24VDC)
	2	WH (White)	Suction
	3	BU (Blue)	$Gnd_{S/A}$
	4	BK (Black)	H2
	5	GY (Green/ Yellow)	Blow-off

Operating Parameters

		Min	*Typ*	*Max*	*Unit*
Supply	$U_{S/A}$	19.2	24	26.4	V_{DC}
Nominal Current ($U_{S/A}$)	70mA				
SCPS-xx-NO / SCPS-xx-NC	$I_{S/A}$	-	110/70	-	mA
Output Current	I_O	-	-	150	mA
Operating Pressure	p	2	4	6	bar
Air Consumption	101 l/min				
SCPS-10	Q	-	42	-	l/min