



# 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
<a href="#">10.01.49.00090</a>	Schmalz PXT series single beam gripper framing kit, kit includes Universal Robots and blank flanges, extruded rails and assorted parts.	\$1,020.00	<a href="#">PDF</a>	<a href="#">PDF</a>

See the System Insert for a full list of included items

Single Beam Kit Specifications	
Minimum Active Load*	20 lb-f (90N)
Maximum Active Load*	78 lb-f (350N)

\* Permissible loads vary with product weight, tool overall dimensions and configuration. Complete load and dimension limitations are listed in the installation and assembly guide.

Montageanleitung - Modulare Greiferbaukasten PXT  
Mounting instructions - Modular Gripper System PXT

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

Beispiele für Greifer-Layouts/Examples Of Gripper Layouts

Inhalt des Sets/Set content

Typ	Artikelnummer / Part Number	Menge / Quantity	Gewicht / Weight			
	10.01.49.00014	1	134,8	10.02.01.01117	1	18
	10.01.49.00090	2	207,1	10.08.02.00207	3	18,9
	21.09.06.00119	1	1,6	10.07.09.00020	1	10
	10.01.49.00019	2	85,3	10.08.04.00084	1	11,5
	10.01.49.00039	4	80,2	10.09.02.00101	1	10,5
	10.01.08.00100	4	24,1	10.01.49.00016	1	285
	21.09.06.00220	4	1,25	21.09.03.00105	10	0
	21.09.06.00121	1	70,1	10.04.05.43075	1	17,8
	10.02.01.01062	1	223	10.08.05.00126	1	27,5

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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.	\$1,660.00	<a href="#">PDF</a>	<a href="#">PDF</a>

See the System Insert for a full list of included items

Double Beam Kit Specifications	
Minimum Active Load*	56 lb-f (250N)
Maximum Active Load*	140 lb-f (625N)

\* Permissible loads vary with product weight, tool overall dimensions and configuration. Complete load and dimension limitations are listed in the installation and assembly guide.

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

**STARTERSET PXT MIT DOPPEL-HAUPTTRAVSE/  
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			
Typ	Bestellnummer/Part Number	Anzahl/Quantity	Einheit/Single
STP-PXT-100-212-104	10.01.49.00028	1	100x212
HTK-PROF-3000-PROF-270	10.01.49.00094	4	308
HTK-PROF-3000-PXT-0001	10.01.49.00093	4	16,5
HTK-PROF-3000-PXT-0002	10.01.49.00092	4	16,5
HTK-PROF-3000-PXT-0003	10.01.49.00099	4	16,5
HTK-PROF-3000-PXT-0004	10.01.49.00090	4	16,5
HTK-PROF-3000-PXT-0005	10.01.49.00091	2	170,5
HTK-PROF-3000-PXT-0006	10.01.49.00092	2	170,5
HTK-PROF-3000-PXT-0007	10.01.49.00093	2	223
HTK-PROF-3000-PXT-0008	10.01.49.00094	1	18
HTK-PROF-3000-PXT-0009	10.01.49.00095	1	27,5
HTK-PROF-3000-PXT-0010	10.01.49.00096	1	16,5
HTK-PROF-3000-PXT-0011	10.01.49.00097	1	20
HTK-PROF-3000-PXT-0012	10.01.49.00098	1	11,5
HTK-PROF-3000-PXT-0013	10.01.49.00099	1	10,5
HTK-PROF-3000-PXT-0014	10.01.49.00100	1	10,5
HTK-PROF-3000-PXT-0015	10.01.49.00101	1	10,5
HTK-PROF-3000-PXT-0016	10.01.49.00102	1	10,5
HTK-PROF-3000-PXT-0017	10.01.49.00103	1	10,5
HTK-PROF-3000-PXT-0018	10.01.49.00104	1	10,5
HTK-PROF-3000-PXT-0019	10.01.49.00105	1	10,5
HTK-PROF-3000-PXT-0020	10.01.49.00106	1	10,5
HTK-PROF-3000-PXT-0021	10.01.49.00107	1	10,5
HTK-PROF-3000-PXT-0022	10.01.49.00108	1	10,5
HTK-PROF-3000-PXT-0023	10.01.49.00109	1	10,5
HTK-PROF-3000-PXT-0024	10.01.49.00110	1	10,5
HTK-PROF-3000-PXT-0025	10.01.49.00111	1	10,5
HTK-PROF-3000-PXT-0026	10.01.49.00112	1	10,5
HTK-PROF-3000-PXT-0027	10.01.49.00113	1	10,5
HTK-PROF-3000-PXT-0028	10.01.49.00114	1	10,5
HTK-PROF-3000-PXT-0029	10.01.49.00115	1	10,5
HTK-PROF-3000-PXT-0030	10.01.49.00116	1	10,5
HTK-PROF-3000-PXT-0031	10.01.49.00117	1	10,5
HTK-PROF-3000-PXT-0032	10.01.49.00118	1	10,5
HTK-PROF-3000-PXT-0033	10.01.49.00119	1	10,5
HTK-PROF-3000-PXT-0034	10.01.49.00120	1	10,5
HTK-PROF-3000-PXT-0035	10.01.49.00121	1	10,5
HTK-PROF-3000-PXT-0036	10.01.49.00122	1	10,5
HTK-PROF-3000-PXT-0037	10.01.49.00123	1	10,5
HTK-PROF-3000-PXT-0038	10.01.49.00124	1	10,5
HTK-PROF-3000-PXT-0039	10.01.49.00125	1	10,5
HTK-PROF-3000-PXT-0040	10.01.49.00126	1	10,5
HTK-PROF-3000-PXT-0041	10.01.49.00127	1	10,5
HTK-PROF-3000-PXT-0042	10.01.49.00128	1	10,5
HTK-PROF-3000-PXT-0043	10.01.49.00129	1	10,5
HTK-PROF-3000-PXT-0044	10.01.49.00130	1	10,5
HTK-PROF-3000-PXT-0045	10.01.49.00131	1	10,5
HTK-PROF-3000-PXT-0046	10.01.49.00132	1	10,5
HTK-PROF-3000-PXT-0047	10.01.49.00133	1	10,5
HTK-PROF-3000-PXT-0048	10.01.49.00134	1	10,5
HTK-PROF-3000-PXT-0049	10.01.49.00135	1	10,5
HTK-PROF-3000-PXT-0050	10.01.49.00136	1	10,5
HTK-PROF-3000-PXT-0051	10.01.49.00137	1	10,5
HTK-PROF-3000-PXT-0052	10.01.49.00138	1	10,5
HTK-PROF-3000-PXT-0053	10.01.49.00139	1	10,5
HTK-PROF-3000-PXT-0054	10.01.49.00140	1	10,5
HTK-PROF-3000-PXT-0055	10.01.49.00141	1	10,5
HTK-PROF-3000-PXT-0056	10.01.49.00142	1	10,5
HTK-PROF-3000-PXT-0057	10.01.49.00143	1	10,5
HTK-PROF-3000-PXT-0058	10.01.49.00144	1	10,5
HTK-PROF-3000-PXT-0059	10.01.49.00145	1	10,5
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HTK-PROF-3000-PXT-0061	10.01.49.00147	1	10,5
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HTK-PROF-3000-PXT-0067	10.01.49.00153	1	10,5
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HTK-PROF-3000-PXT-0086	10.01.49.00172	1	10,5
HTK-PROF-3000-PXT-0087	10.01.49.00173	1	10,5
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HTK-PROF-3000-PXT-0090	10.01.49.00176	1	10,5
HTK-PROF-3000-PXT-0091	10.01.49.00177	1	10,5
HTK-PROF-3000-PXT-0092	10.01.49.00178	1	10,5
HTK-PROF-3000-PXT-0093	10.01.49.00179	1	10,5
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HTK-PROF-3000-PXT-0095	10.01.49.00181	1	10,5
HTK-PROF-3000-PXT-0096	10.01.49.00182	1	10,5
HTK-PROF-3000-PXT-0097	10.01.49.00183	1	10,5
HTK-PROF-3000-PXT-0098	10.01.49.00184	1	10,5
HTK-PROF-3000-PXT-0099	10.01.49.00185	1	10,5
HTK-PROF-3000-PXT-0100	10.01.49.00186	1	10,5

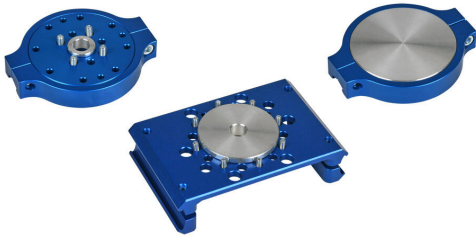
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# PXT Series - Interface Flange Components



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
	<a href="#">10.01.49.00012</a>	Schmalz PXT series interface flange, single beam. For use with FANUC 31.5mm pitch robot arm. Mounting hardware included.	\$301.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00013</a>	Schmalz PXT series interface flange, single beam. For use with FANUC 64mm pitch robot arm. Mounting hardware included.	\$301.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00014</a>	Schmalz PXT series interface flange, single beam. For use with Universal Robots 50mm pitch robot arm. Mounting hardware included.	\$301.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00015</a>	Schmalz PXT series interface flange, single beam. For use with Yaskawa 63mm pitch robot arm. Mounting hardware included.	\$301.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00016</a>	Schmalz PXT series interface flange blank, single beam. For use with robots or other automation devices.	\$301.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00024</a>	Schmalz PXT series interface flange, double beam. For use with FANUC 31.5mm pitch robot arm. Mounting hardware included.	\$433.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00025</a>	Schmalz PXT series interface flange, double beam. For use with Rethink 40mm pitch robot arm. Mounting hardware included.	\$433.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00026</a>	Schmalz PXT series interface flange, double beam. For use with Universal Robots 50mm pitch robot arm. Mounting hardware included.	\$433.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00027</a>	Schmalz PXT series interface flange, double beam. For use with Yaskawa 63mm pitch robot arm. Mounting hardware included.	\$433.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00028</a>	Schmalz PXT series interface flange, double beam. For use with FANUC 64mm pitch robot arm. Mounting hardware included.	\$433.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00029</a>	Schmalz PXT series interface flange, double beam. For use with Yaskawa 80mm pitch robot arm. Mounting hardware included.	\$433.00	<a href="#">PDF</a>	<a href="#">PDF</a>

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
	<a href="#">10.01.49.00034</a>	Schmalz PXT series rail connector, cross, internal vacuum capable, aluminum alloy. For use with (2) D30-I profiles.	\$222.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">25.09.06.00123</a>	Schmalz PXT series rail connector, cross, aluminum alloy. For use with (2) D30-I profiles.	\$30.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">25.09.06.00143</a>	Schmalz PXT series tubing holder, plastic. Package of 10.	\$19.50	N/A	<a href="#">PDF</a>
	<a href="#">25.09.06.00131</a>	Schmalz PXT series rail connector, threaded, aluminum alloy. For use with D30-I profile.	\$31.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00047</a>	Schmalz PXT series rail connector, tee, aluminum alloy. For use with (2) D30-I profiles.	\$23.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">25.09.06.00121</a>	Schmalz PXT series rail connector, parallel, aluminum alloy. For use with (2) D30-I profiles.	\$15.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">25.09.06.00122</a>	Schmalz PXT series tube clamp, aluminum alloy. For use with 30mm round tube.	\$15.00	<a href="#">PDF</a>	<a href="#">PDF</a>

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
	<a href="#">10.01.49.00036</a>	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.	\$140.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00039</a>	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.	\$98.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00045</a>	Schmalz PXT series suction cup mount, straight, internal vacuum capable, G1/4 female BSPP cup connection, aluminum alloy. For use with D30-I profile.	\$176.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00046</a>	Schmalz PXT series suction cup mount, swivel, internal vacuum capable, G1/4 female BSPP cup connection, aluminum alloy. For use with D30-I profile.	\$231.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00038</a>	Schmalz PXT series suction cup mount, swivel, aluminum alloy. For use with D30-I profile.	\$65.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00044</a>	Schmalz PXT series drill bushing, internal vacuum capable, 8mm, steel. For use with M16x1 threaded hole.	\$33.50	N/A	<a href="#">PDF</a>
	<a href="#">10.01.49.00057</a>	Schmalz PXT series drilling fixture, internal vacuum capable, 8mm, aluminum alloy. For use with 8mm drill bushing.	\$73.00	N/A	<a href="#">PDF</a>
	<a href="#">10.08.02.00589</a>	Schmalz PXT series suction cup connector, straight, 5/16in (8mm) push-to-connect vacuum connection, G1/4 female BSPP cup connection.	\$48.00	<a href="#">PDF</a>	<a href="#">PDF</a>

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
	<a href="#">10.01.49.00087</a>	Schmalz PXT series structural rail, internal vacuum capable, round, D30-I (30 x 30mm) profile, 1000mm length, anodized aluminum.	\$57.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00086</a>	Schmalz PXT series structural rail, internal vacuum capable, round, D30-I (30 x 30mm) profile, 500mm length, anodized aluminum.	\$43.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00089</a>	Schmalz PXT series structural rail, half-round, 8D30-I (30 x 25mm) profile, 1000mm length, anodized aluminum.	\$62.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00088</a>	Schmalz PXT series structural rail, half-round, 8D30-I (30 x 25mm) profile, 500mm length, anodized aluminum.	\$46.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">10.01.49.00031</a>	Schmalz PXT series end seal, internal vacuum capable, aluminum alloy. For use with D30-I profile.	\$39.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">25.09.06.00144</a>	Schmalz PXT series end cap, plastic. Package of 6. For use with D30-I profile.	\$20.00	<a href="#">PDF</a>	<a href="#">PDF</a>
	<a href="#">25.09.06.00145</a>	Schmalz PXT series end cap, plastic. Package of 6. For use with 8D30-I profile.	\$20.00	<a href="#">PDF</a>	<a href="#">PDF</a>

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		
<a href="#">10.01.01.13240</a>	<a href="#">SPF-20-ED-65-G1/8-AG</a>	\$12.50	Flat	-	20mm	G1/8 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.01.13244</a>	<a href="#">SPF-30-ED-65-G1/8-AG</a>	\$14.00			30mm		<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.01.13246</a>	<a href="#">SPF-40-ED-65-G1/4-AG</a>	\$20.00			40mm	G1/4 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.01.13248</a>	<a href="#">SPF-50-ED-65-G1/4-AG</a>	\$22.00			50mm		<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.06.03489</a>	<a href="#">SPB1-10-ED-65-M5-AG</a>	\$13.00	Bellows	1	10mm	M5 male	<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.06.03492</a>	<a href="#">SPB1-20-ED-65-G1/8-AG</a>	\$14.50			20mm	G1/8 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.06.03496</a>	<a href="#">SPB1-30-ED-65-G1/8-AG</a>	\$17.50			30mm		<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.06.03498</a>	<a href="#">SPB1-40-ED-65-G1/4-AG</a>	\$23.00			40mm	<a href="#">PDF</a>	<a href="#">PDF</a>			
<a href="#">10.01.06.03500</a>	<a href="#">SPB1-50-ED-65-G1/4-AG</a>	\$26.00			50mm	G1/4 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.06.03502</a>	<a href="#">SPB1-60-ED-65-G1/4-AG</a>	\$28.00			60mm		<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.06.03453</a>	<a href="#">SPB2-20-ED-65-G1/8-AG</a>	\$18.00			2		20mm	G1/8 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.03457</a>	<a href="#">SPB2-30-ED-65-G1/8-AG</a>	\$21.50					30mm		<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.03459</a>	<a href="#">SPB2-40-ED-65-G1/4-AG</a>	\$27.50					40mm	G1/4 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.03461</a>	<a href="#">SPB2-50-ED-65-G1/4-AG</a>	\$33.00					50mm		<a href="#">PDF</a>	<a href="#">PDF</a>



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		
<a href="#">10.01.01.12370</a>	<a href="#">SPF-20-ED-65-SC040</a>	\$7.75	Flat	-	20mm	<a href="#">PDF</a>		
<a href="#">10.01.01.12372</a>	<a href="#">SPF-30-ED-65-SC040</a>	\$9.25			30mm	<a href="#">PDF</a>		
<a href="#">10.01.01.12373</a>	<a href="#">SPF-40-ED-65-SC040</a>	\$12.50			40mm	<a href="#">PDF</a>		
<a href="#">10.01.01.12374</a>	<a href="#">SPF-50-ED-65-SC040</a>	\$14.50			50mm	<a href="#">PDF</a>		
<a href="#">10.01.06.02782</a>	<a href="#">SPB1-10-ED-65-SC030</a>	\$7.75	Bellows	1	10mm	<a href="#">PDF</a>		
<a href="#">10.01.06.02452</a>	<a href="#">SPB1-20-ED-65-SC040</a>	\$9.25			20mm	<a href="#">PDF</a>		
<a href="#">10.01.06.02454</a>	<a href="#">SPB1-30-ED-65-SC040</a>	\$12.00			30mm	<a href="#">PDF</a>		
<a href="#">10.01.06.02455</a>	<a href="#">SPB1-40-ED-65-SC050</a>	\$14.50			40mm	<a href="#">PDF</a>		
<a href="#">10.01.06.02456</a>	<a href="#">SPB1-50-ED-65-SC050</a>	\$18.00			50mm	<a href="#">PDF</a>		
<a href="#">10.01.06.02457</a>	<a href="#">SPB1-60-ED-65-SC050</a>	\$20.00			60mm	<a href="#">PDF</a>		
<a href="#">10.01.06.03409</a>	<a href="#">SPB2-20-ED-65-SC040</a>	\$13.00			2		20mm	<a href="#">PDF</a>
<a href="#">10.01.06.03411</a>	<a href="#">SPB2-30-ED-65-SC040</a>	\$17.00					30mm	<a href="#">PDF</a>
<a href="#">10.01.06.03412</a>	<a href="#">SPB2-40-ED-65-SC050</a>	\$20.50					40mm	<a href="#">PDF</a>
<a href="#">10.01.06.03413</a>	<a href="#">SPB2-50-ED-65-SC050</a>	\$25.50					50mm	<a href="#">PDF</a>

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



# Vacuum Suction Cups with Fittings - Silicone

Schmalz silicone suction cups are an excellent choice 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.



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

## 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
<a href="#">10.01.06.00384</a>	FSGA-14-SI-55-G1/8-AG	\$12.50	Bellows	1	14mm	G1/8 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00393</a>	FSGA-20-SI-55-G1/8-AG	\$13.50			20mm		<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00091</a>	FSGA-33-SI-55-G1/4-AG	\$16.50			33mm	G1/4 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00092</a>	FSGA-43-SI-55-G1/4-AG	\$19.00			43mm		<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00093</a>	FSGA-53-SI-55-G1/4-AG	\$23.50			53mm		<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00686</a>	FSGA-63-SI-55-G1/4-AG	\$31.00		63mm	<a href="#">PDF</a>	<a href="#">PDF</a>		
<a href="#">10.01.06.03515</a>	SPB4-20-SI-55-G1/4-AG	\$22.00		4	4	20mm	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.03521</a>	SPB4-30-SI-55-G1/4-AG	\$24.50				30mm	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.03526</a>	SPB4-40-SI-55-G1/4-AG	\$32.00				40mm	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.03532</a>	SPB4-50-SI-55-G1/4-AG	\$42.00				50mm	<a href="#">PDF</a>	<a href="#">PDF</a>



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	
<a href="#">10.01.06.00371</a>	FGA-14-SI-55-N016	\$9.00	Bellows	1	14mm	<a href="#">PDF</a>	
<a href="#">10.01.06.00374</a>	FGA-20-SI-55-N016	\$10.00			20mm	<a href="#">PDF</a>	
<a href="#">10.01.06.00126</a>	FGA-33-SI-55-N018	\$10.50			33mm	<a href="#">PDF</a>	
<a href="#">10.01.06.00127</a>	FGA-43-SI-55-N018	\$13.50			43mm	<a href="#">PDF</a>	
<a href="#">10.01.06.00128</a>	FGA-53-SI-55-N018	\$17.50			53mm	<a href="#">PDF</a>	
<a href="#">10.01.06.00689</a>	FGA-63-SI-55-N018	\$25.00		63mm	<a href="#">PDF</a>		
<a href="#">10.01.06.02588</a>	SPB4-20-SI-55-SC080	\$15.50		4	4	20mm	<a href="#">PDF</a>
<a href="#">10.01.06.02589</a>	SPB4-30-SI-55-SC080	\$18.00				30mm	<a href="#">PDF</a>
<a href="#">10.01.06.02590</a>	SPB4-40-SI-55-SC090	\$24.00				40mm	<a href="#">PDF</a>
<a href="#">10.01.06.02613</a>	SPB4-50-SI-55-SC090	\$34.00				50mm	<a href="#">PDF</a>

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





# Vacuum Suction Cups with Fittings - Nitrile Rubber

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.



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

## 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
<a href="#">10.01.06.00381</a>	FSGA-14-NBR-55-G1/8-AG	\$9.00	Bellows	1	14mm	G1/8 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00390</a>	FSGA-20-NBR-55-G1/8-AG	\$10.50			20mm		<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00081</a>	FSGA-33-NBR-55-G1/4-AG	\$14.00			33mm	G1/4 male BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00082</a>	FSGA-43-NBR-55-G1/4-AG	\$16.50			43mm		<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00083</a>	FSGA-53-NBR-55-G1/4-AG	\$18.50			53mm		<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00685</a>	FSGA 63 NBR-55 G1/4-AG	\$23.50			63mm		<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.06.00084</a>	FSGA-78-NBR-55-G1/4-AG	\$28.00			78mm	<a href="#">PDF</a>	<a href="#">PDF</a>	



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
<a href="#">10.01.06.00370</a>	FGA-14-NBR-55-N016	\$5.75	Bellows	1	14mm	<a href="#">PDF</a>
<a href="#">10.01.06.00373</a>	FGA-20-NBR-55-N016	\$7.25			20mm	<a href="#">PDF</a>
<a href="#">10.01.06.00130</a>	FGA-33-NBR-55-N018	\$7.50			33mm	<a href="#">PDF</a>
<a href="#">10.01.06.00131</a>	FGA-43-NBR-55-N018	\$10.50			43mm	<a href="#">PDF</a>
<a href="#">10.01.06.00132</a>	FGA-53-NBR-55-N018	\$13.00			53mm	<a href="#">PDF</a>
<a href="#">10.01.06.00688</a>	FGA-63-NBR-55-N018	\$17.50			63mm	<a href="#">PDF</a>
<a href="#">10.01.06.00133</a>	FGA-78-NBR-55-N019	\$22.50			78mm	<a href="#">PDF</a>

For additional details see manufacturer'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
<a href="#">10.01.02.00608</a>	FSTE-M5-IG-10	\$66.00	M5 female	M5 female	10mm [0.39 in]	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.02.00609</a>	FSTE-M5-IG-20	\$69.00			20mm [0.79 in]	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.02.00603</a>	FSTE-G1/8-AG-25	\$78.00	G1/8 male BSPP	G1/8 female BSPP	25mm [0.98 in]	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.02.00604</a>	FSTE-G1/8-AG-50	\$80.00			50mm [1.97 in]	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.02.00567</a>	FSTE-G1/4-AG-25	\$88.00	G1/4 male BSPP		25mm [0.98 in]	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.01.02.00568</a>	FSTE-G1/4-AG-50	\$91.00			50mm [1.97 in]	<a href="#">PDF</a>	<a href="#">PDF</a>

For additional details see manufacturer'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
<a href="#">10.08.05.00125</a>	MUF-S-G1/8-IG-18-SW14-MS-V	\$4.00	G1/8 female BSPP to G1/8 female BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.08.05.00126</a>	MUF-S-G1/4-IG-26-SW17-MS-V	\$5.00	G1/4 female BSPP to G1/4 female BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>

For additional details see manufacturer'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
<a href="#">10.02.01.01605</a>	SBPL-50-HF-NPT	\$452.00	500.0 l/min [17.7 cfm]	3/8 in female NPT	3/4 in female NPT	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.02.01.01606</a>	SBPL-100-HF-NPT	\$748.00	860.0 l/min [30.4 cfm]		1 inch female NPT	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.02.01.01597</a>	SBPL-50-HF	\$452.00	500.0 l/min [17.7 cfm]	G3/8 female BSPP	G3/4 female BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.02.01.01598</a>	SBPL-100-HF	\$748.00	860.0 l/min [30.4 cfm]		G1 female BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.02.01.00565</a>	SBP-10-S02-SDA	\$50.00	37.7 l/min [1.3 cfm]	6mm push-to-connect	8mm push-to-connect	<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.02.01.00566</a>	SBP-15-S02-SDA	\$54.00	71.0 l/min [2.5 cfm]			<a href="#">PDF</a>	<a href="#">PDF</a>
<a href="#">10.02.01.01962</a>	SBP-HV-3-16-22-KU	\$233.00	308.8 l/min [10.9 cfm]	G1/4 female BSPP	G3/8 female BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>

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
<a href="#">10.02.01.01517</a>	Schmalz silencer, plastic. For use with SBP-HV-3-16-22-KU ejector.	\$8.50	<a href="#">PDF</a>	<a href="#">PDF</a>

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
<a href="#">10.02.02.04116</a>	SCPS-15-G02-NC-M12-50-PNP	\$745.00	65.5 l/min [2.3 cfm]	G1/8 female BSPP	G1/8 female BSPP	<a href="#">PDF</a>	<a href="#">PDF</a>

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

Electrical Connection				
	M12	1	BN (Brown)	U <sub>S/A</sub> (24VDC)
		2	WH (White)	Suction
		3	BU (Blue)	Gnd <sub>S/A</sub>
		4	BK (Black)	H2
		5	GY (Green/ Yellow)	Blow-off

Operating Parameters					
		Min	Typ	Max	Unit
Supply	U <sub>S/A</sub>	19.2	24	26.4	V <sub>DC</sub>
Nominal Current (U <sub>S/A</sub> )		70mA			
SCPS-xx-NO / SCPS-xx-NC	I <sub>S/A</sub>	-	110/70	-	mA
Output Current	I <sub>O</sub>	-	-	150	mA
Operating Pressure	p	2	4	6	bar
Air Consumption		101 l/min			
SCPS-10	Q	-	42	-	l/min