

Vacuum Area Gripper

FEL SW70 550 3R18 O10 G12 PZ4

Part no.:10.01.46.00131

<https://www.schmalz.com/10.01.46.00131>

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Vacuum area gripping system for external vacuum generator, with flow resistors



Length L: 550 mm

Width B: 130 mm

Height H: 26.5 mm

Shape: 1x passive zone / 4x suction zone

Length L4: 162 mm

Length L5: 90 mm

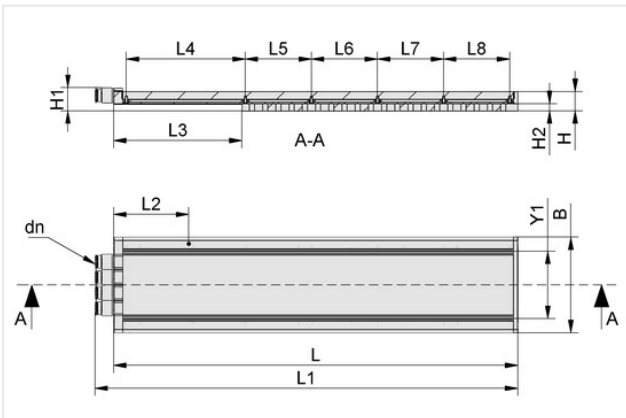
Arrangement suction cells: 3 rows, 18 mm

Material type: Foam O, Height 10 mm

Nominal diameter dn: 12 mm

Weight: 1.8 kg

Design Data



Attribute	Value
B	130 mm
dn	12 mm
H	26.50 mm
H1	31.30 mm
H2	10 mm
L	550 mm
L1	575.70 mm
L2	112 mm
L3	174.50 mm
L4	162 mm
L5	90 mm
L6	90 mm
L7	90 mm
Y1	90 mm

Technical Data

Attribute	Value
Shape	1x passive zone / 4x suction zone
Material type	Foam O, Height 10 mm
Suction force at -300 mbar	280 N
Nozzle diameter	0.70 mm

Contact Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Str.1, 72293 Glatten, Germany | +49 7443 2403-102 | customercenter@schmalz.de

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Arrangement suction cells	3 rows, 18 mm
Number of suction cells	52
Evacuation rate for pu = -0,3 bar	208 l/min
Weight	1.80 kg

Accessories



MOD-FLAN 130x90 FEL

Part no.:10.01.46.00136

Length L: 130 mm

Width B: 90 mm

Height H: 84 mm

Construction use: Vacuum area gripping system

Weight: 0.681 kg



EMVP 10 230V-AC 3/2 NO/NC

Part no.:10.05.02.00143

Nominal size: 10 mm

Voltage DC: 230 V - AC

Function: 3/2 multiway valve

Control valve: Optional NO / NC

Connecting thread: G3/8"-F

Pressure range (operating pressure): bar

Nominal flow rate: 10 m³/h

Weight: 0.42 kg

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SMPi 25 NO RD M12-5

Part no...:10.02.02.03363

Nozzle diameter: 2.5 mm

Suction rate (max.): 185 l/min

Air consumption suction: 290 l/min

Pressure range (operating pressure): 4.0 ... 7.0 bar

Max. vacuum: -850 mbar

Control valve: Normally open

Function: Digital air-saving function

Electrical connection: Male connect M12, 5 pol

Protection type IP: IP 65



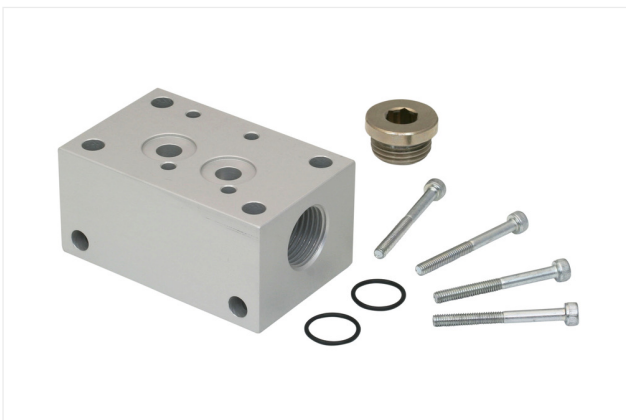
ASK B-M12-5 5000 K-5P

Part no...:21.04.05.00080

Electrical connection: Fem connect M12, 5 pol

Cable length: 5,000 mm

Material hose: PUR cable



GP 2 SMP 15..30/SCP 20..30

Part no...:10.02.02.00917

Pressure range (operating pressure): bar

Number of connections: 2

Length L: 78 mm

Width B: 38 mm

Height H: 49.5 mm

Internal diameter d: 7 mm

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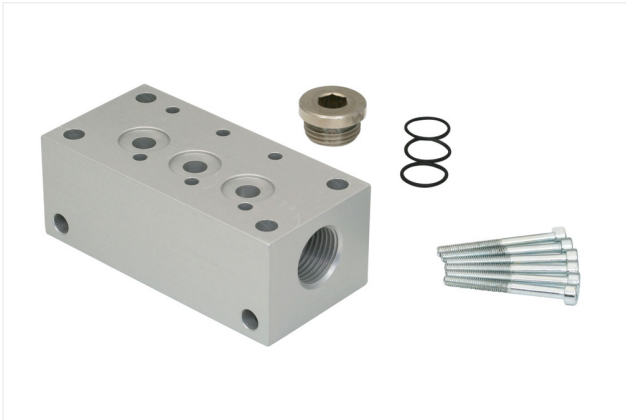
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GP 3 SMP 15..25/SCP 20..25

Part no...:10.02.02.00918

Pressure range (operating pressure): bar

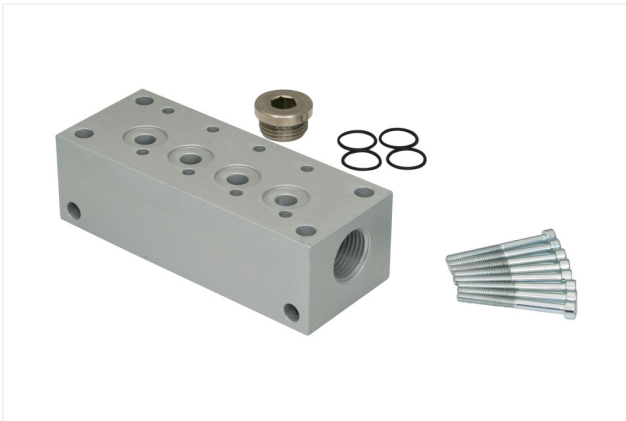
Number of connections: 3

Length L: 101 mm

Width B: 38 mm

Height H: 49.5 mm

Internal diameter d: 7 mm



GP 4 SMP 15..20/SCP 20

Part no...:10.02.02.00919

Pressure range (operating pressure): bar

Number of connections: 4

Length L: 124 mm

Width B: 38 mm

Height H: 49.5 mm

Internal diameter d: 7 mm



NUT-STEI 11.5x8 M4-IG

Part no...:25.09.06.00153

Length L: 11.5 mm

Width B: 8 mm

Height H: 4.5 mm

Thread G1: M4-F

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NUT-STEI 17x10.6 M6-IG

Part no...:25.09.06.00048

Length L: 17 mm

Width B: 10.6 mm

Height H: 6.4 mm

Thread G1: M6-F

Shape mounting elements: half-round

Spare parts



DI-PL 88.5x10 ZEL

Part no...:10.01.46.00071

Length L: 88.5 mm

Width B: 10 mm

Height H: 8 mm

Material type: Cellular rubber

Add. function: Adhesive tape on one side

Construction use: Vacuum area gripping system



HUEL 5.4-3.4x4-FEL

Part no...:10.01.46.00073

External diameter D: 5.4 mm

Internal diameter d: 3.4 mm

Length L: 4 mm

Construction use: Vacuum area gripping system

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DI-SCHN 2.5 NBR-70

Part no...:10.07.04.00166

External diameter D: 2.5 mm

Material hardness [Shore A]: 70 Shore A

Sealing material: Nitrile rubber



DI-PL 84.9x9.3 ZEL PU KE FEL

Part no...:10.01.46.00043

Length L: 84.9 mm

Width B: 9.3 mm

Height H: 2 mm

Material type: Cellular rubber

Sealing material: Polyurethane PU

Add. function: Adhesive tape on one side

Construction use: Vacuum area gripping system



SCHR WN1552 5x20 ST VZ T25

Part no...:20.10.03.00008

External diameter D: 5 mm

Material: Steel

Length L: 20 mm

Surface: galvanised

Weight: 3.9 g

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DI-PL 375.5x128 3R18 LL-20x7 O10 PZ4

Part no...:10.01.46.00132

Length L: 375.5 mm

Width B: 128 mm

Height H: 10 mm

Material type: Foam O, Height 10 mm

Add. function: Adhesive tape on one side

Construction use: Vacuum area gripping system



DI-PL 174.5x128 P09

Part no...:10.01.46.00100

Length L: 174.5 mm

Width B: 128 mm

Height H: 0.9 mm

Material type: Foam P, Height 0,9 mm

Add. function: Adhesive tape on one side

Construction use: Vacuum area gripping system