Area Gripper

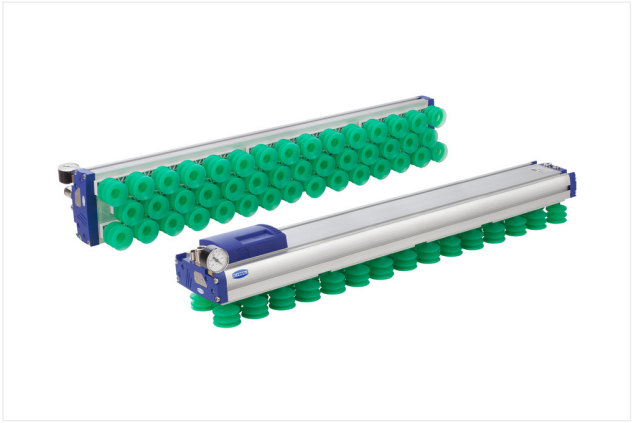
FXP-S-SW140 838 3R54 SPB2-40-P

Part no..:10.01.38.00950

https://www.schmalz.com/10.01.38.00950

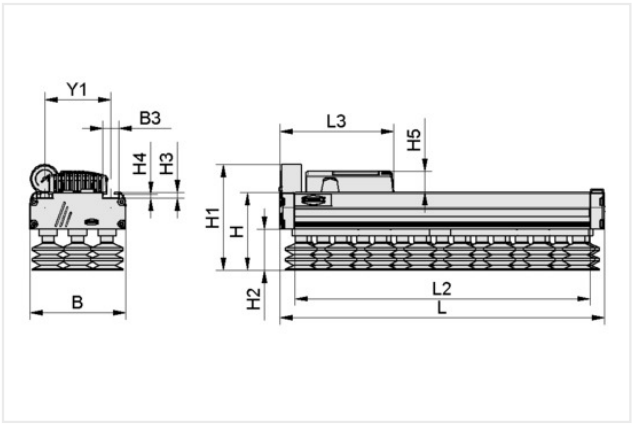
Home > Vacuum Technology for Automation > Vacuum Components > Area Gripping Systems and End Effectors > Vacuum Area Gripping System FXP/FMP > Area Gripping Systems FXP > FXP-S-SW140 838 3R54 SPB2-40-P

Vacuum area gripping system with integrated pneumatic vacuum generator and flow resistors



- Length L: 838 mm
- Width B: 130 mm
- Arrangement: 3R54
- Number of suction cells: 44
- Add. function: 1x control valve vacuum/blow-off
- Design: Multi-stage ejector SEMP
- Construction shape vacuum switch: PNP switching
- Voltage DC: 24V - DC
- Nozzle diameter: 1.4 mm
- Air consumption: 500 l/min
- Weight: 5.2 kg
- Product family: FXP

Design Data



Attribute	Value
B	130 mm
B3	21.60 mm
H	105 mm
H1	144 mm
H2	55 mm
H3	7.70 mm
H4	5.50 mm
H5	28 mm
L	838 mm
L2	798 mm
L3	154 mm
Y1	90 mm
Valve type	SW

Permissible dimensional tolerances for elastomer parts according to DIN ISO 3302-1 M3 Note: Two ejectors/silencer box covers are used for the 1,234 mm and 1,432 mm lengths. Type FXP requires compressed air hose 12/9 mm

Technical Data

Attribute	Value
Arrangement	3R54

Area Gripper

FXP-S-SW140 838 3R54 SPB2-40-P

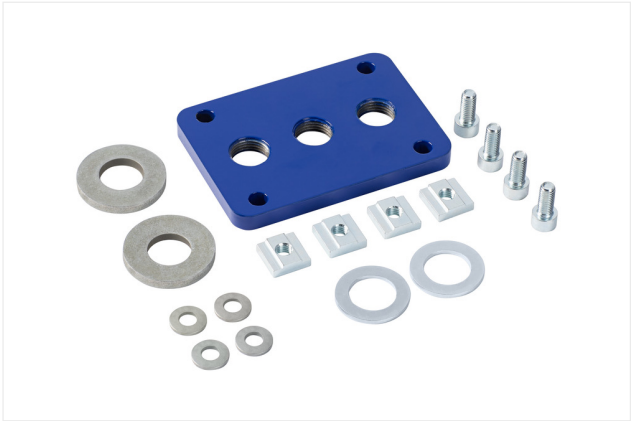
Part no..:10.01.38.00950

https://www.schmalz.com/10.01.38.00950

Number of suction cells	44
Suction force at -250 mbar	390 N
Suction rate (max.)	1600 l/min
Air consumption	500 l/min
Sealing element	Suction Cups
Add. function	1x control valve vacuum/blow-off
Weight	5.20 kg
Product family	FXP

Sound level: 74 dB(A) Max. degree of evacuation 55%

Accessories



FLAN-PL 120x85x10 ST FLGR

Part no..:10.01.10.05701

Length L: 120 mm
Width B: 85 mm
Height H: 10 mm
Material: Steel
Construction use: Vacuum area gripping system



FLK G1/2-IG G1/2-AG

Part no..:10.01.03.00175

Thread G1: G1/2"-F
Thread G2: G1/2"-M
Operating temperature: 0 ... 70 °C

Area Gripper

FXP-S-SW140 838 3R54 SPB2-40-P

Part no..:10.01.38.00950

https://www.schmalz.com/10.01.38.00950



FST-FLEX 25 HD1 G1/2-AG G3/8-IG

Part no..:10.01.10.05697

Spring stroke Z: 25 mm
Shape mounting elements: Heavy Duty 1 spring plunger
Construction use: Mounting section



FST-FLEX 25 HD2 G1/2-AG G3/8-IG

Part no..:10.01.10.05695

Spring stroke Z: 25 mm
Shape mounting elements: Heavy Duty 2 spring plunger
Construction use: Mounting section



FST-FLEX 50 HD1 G1/2-AG G3/8-IG

Part no..:10.01.10.05687

Spring stroke Z: 50 mm
Shape mounting elements: Heavy Duty 1 spring plunger
Construction use: Mounting section

Area Gripper

FXP-S-SW140 838 3R54 SPB2-40-P

Part no..:10.01.38.00950

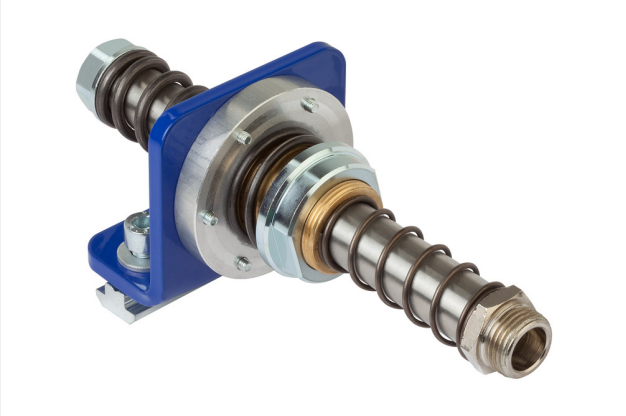
https://www.schmalz.com/10.01.38.00950



FST-FLEX 50 HD2 G1/2-AG G3/8-IG

Part no..:10.01.10.05168

Spring stroke Z: 50 mm
Shape mounting elements: Heavy Duty 2 spring plunger
Construction use: Mounting section



FST-FLEX 75 HD1 G1/2-AG G3/8-IG

Part no..:10.01.10.05698

Spring stroke Z: 75 mm
Shape mounting elements: Heavy Duty 1 spring plunger
Construction use: Mounting section



FST-FLEX 75 HD2 G1/2-AG G3/8-IG

Part no..:10.01.10.05696

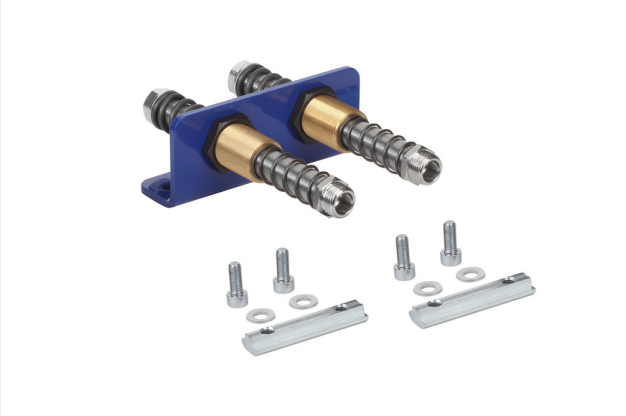
Spring stroke Z: 75 mm
Shape mounting elements: Heavy Duty 2 spring plunger
Construction use: Mounting section



FST-STARR 25 HD1 G1/2-AG G3/8-IG

Part no..:10.01.10.05810

Spring stroke Z: 25 mm
Shape mounting elements: Heavy Duty 1 spring plunger
Construction use: Mounting section



FST-STARR 25 HD2 G1/2-AG G3/8-IG

Part no..:10.01.10.05806

Spring stroke Z: 25 mm
Shape mounting elements: Heavy Duty 2 spring plunger
Construction use: Mounting section



FST-STARR 50 HD1 G1/2-AG G3/8-IG

Part no..:10.01.10.05809

Spring stroke Z: 50 mm
Shape mounting elements: Heavy Duty 1 spring plunger
Construction use: Mounting section



FST-STARR 50 HD2 G1/2-AG G3/8-IG

Part no..:10.01.10.05805

Spring stroke Z: 50 mm
Shape mounting elements: Heavy Duty 2 spring plunger
Construction use: Mounting section



FST-STARR 75 HD1 G1/2-AG G3/8-IG

Part no..:10.01.10.05808

Spring stroke Z: 75 mm
Shape mounting elements: Heavy Duty 1 spring plunger
Construction use: Mounting section



FST-STARR 75 HD2 G1/2-AG G3/8-IG

Part no..:10.01.10.05803

Spring stroke Z: 75 mm
Shape mounting elements: Heavy Duty 2 spring plunger
Construction use: Mounting section

Area Gripper

FXP-S-SW140 838 3R54 SPB2-40-P

Part no..:10.01.38.00950

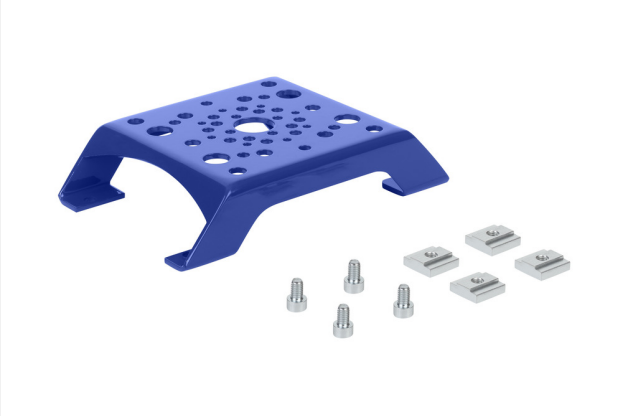
https://www.schmalz.com/10.01.38.00950



MOD-FLAN 120x120 FXP-FMP

Part no..:10.01.21.00244

Length L: 120 mm
Width B: 120 mm
Height H: 60 mm
Weight: 1.1 kg
Measuring range: bar
Construction use: Vacuum area gripping system FXP-FMP



MOD-FLAN 176.6x118 FXP

Part no..:10.01.38.01722

Length L: 176.6 mm
Width B: 118 mm
Height H: 40 mm
Construction use: Vacuum area gripping system FXP



VS-MONT 84x21x34.5 VSi-V FXP

Part no..:10.01.38.02691

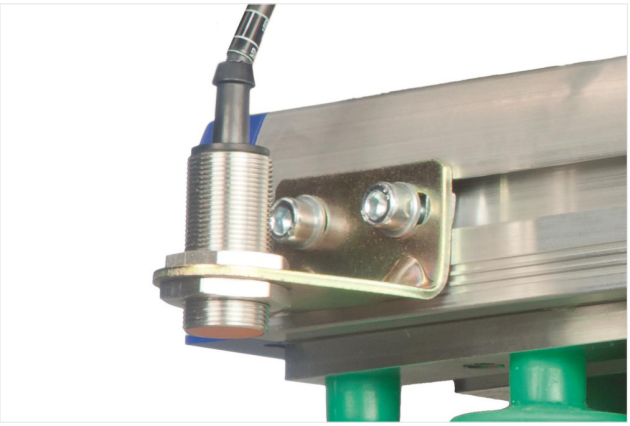
Length L: 84 mm
Width B: 21 mm
Height H: 34.5 mm
Construction use: Vacuum area gripping system FXP
with: vacuum switch VSi

Area Gripper

FXP-S-SW140 838 3R54 SPB2-40-P

Part no..:10.01.38.00950

https://www.schmalz.com/10.01.38.00950



SET fuer-Sensor(FXP/FMP)

Part no..:10.01.38.01194



SET FXC-FMC

Part no..:10.01.21.01291

Length L: 119 mm
Width B: 119 mm
Height H: 9.6 mm
Measuring range: bar
Construction use: Vacuum area gripping system FXC-FMC



SET FXP-FMP

Part no..:10.01.21.02407

Length L: 232 mm
Width B: 119 mm
Height H: 119 mm
Measuring range: bar
Construction use: Vacuum area gripping system FXP-FMP



SET FXP-FMP 4NUTSTEIN

Part no..:10.01.21.00243

contains: 4 slot nuts
Measuring range: bar
Construction use: Vacuum area gripping system FXP-FMP



VAM 40 V U BAR

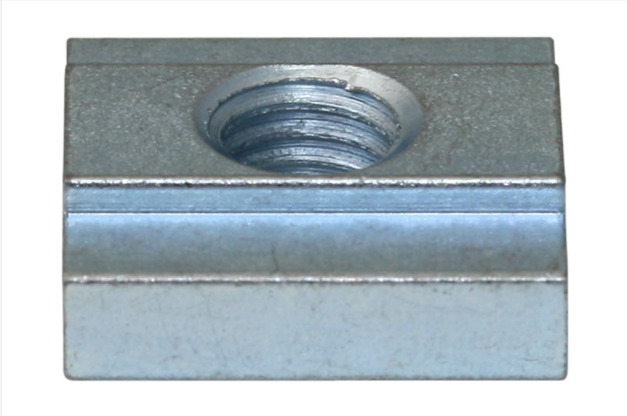
Part no..:10.07.02.00046

External diameter D: 40 mm
Measuring range: -1,00 ... 0,00 bar

VSL 12-9 PU MI-TR

Part no..:10.07.09.00037

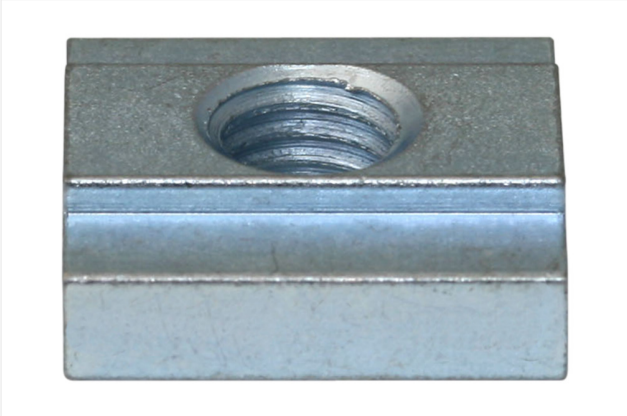
External diameter D: 12 mm
Internal diameter d: 9 mm
Length max.: 50 m
Material hose: PU
Bending radius min.: 70 mm
Pressure range (operating pressure): -0.95 ... 10.00 bar
Operating temperature: -20 ... 90 °C



NUT-STEI 20x20 M8-IG 10

Part no..:25.09.06.00012

Width B: 20 mm
Height H: 4.9 mm
Material: Steel
Length L: 20 mm
Thread G1: M8-F
Shape mounting elements: With step
Surface: galvanised
Weight: 15.9 g



NUT-STEI 20x20 M6-IG 10

Part no..:25.09.06.00036

Width B: 20 mm
Height H: 5 mm
Material: Steel
Length L: 20 mm
Thread G1: M6-F
Shape mounting elements: With step
Surface: galvanised



ABDK-PROF-10x7x1450-KU-SW-FXP-FMP

Part no..:26.07.03.00002

Length L: 1,450 mm
Width B: 10 mm
Height H: 7 mm
Material: Plastics
Measuring range: bar
Construction use: Vacuum area gripping system FXP-FMP

Area Gripper

FXP-S-SW140 838 3R54 SPB2-40-P

Part no..:10.01.38.00950

https://www.schmalz.com/10.01.38.00950



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



FLAN-PL 120x120x10 FXC-FMC

Part no..:10.01.21.00313

Length L: 120 mm
Width B: 120 mm
Height H: 10 mm
Measuring range: bar
Construction use: Vacuum area gripping system FXC-FMC



FLK G1/2-IG G1/2-AG V

Part no..:10.01.03.00207

Thread G1: G1/2"-F
Thread G2: G1/2"-M
Operating temperature: 0 ... 70 °C
Shape mounting elements: Reinforced

Area Gripper

FXP-S-SW140 838 3R54 SPB2-40-P

Part no..:10.01.38.00950

https://www.schmalz.com/10.01.38.00950



VS-MONT 76.5x19 VSi FXP-FMP

Part no..:10.01.38.02485

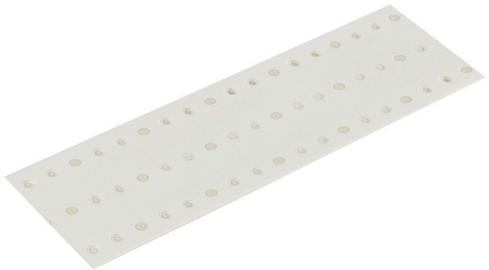
Length L: 76.5 mm
Width B: 19 mm
Add. function: Vacuum and pressure switch VSi
Measuring range: bar
Add. function: Vacuum and pressure switch
Construction use: Vacuum area gripping system FXP-FMP

Spare parts

ERS FXP-S-SEMP-100 DECKEL

Part no..:10.01.38.02192

Measuring range: bar
Size: SEMP-100
contains: Cover
Construction use: Vacuum area gripping system FXP-S



MASK-FOL SW140 798 3R54 FXP-FMP

Part no..:10.01.38.00540

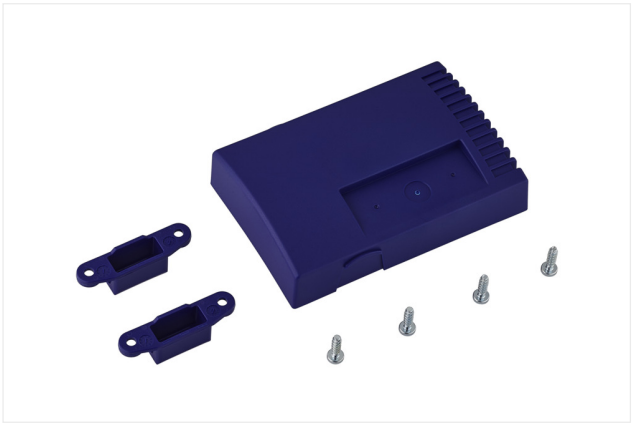
Length L: 798 mm
Width B: 109.8 mm
Height H: 0.4 mm
Arrangement suction cells: 3 rows, 54 mm
Measuring range: bar
Nozzle diameter: 1.4 mm
Construction use: Vacuum area gripping system FXP-FMP

Area Gripper

FXP-S-SW140 838 3R54 SPB2-40-P

Part no..:10.01.38.00950

https://www.schmalz.com/10.01.38.00950



SD 120x79x29 FXP

Part no..:10.01.38.01607

Length L: 120 mm
Width B: 79 mm
Height H: 29 mm
Construction use: Vacuum area gripping system FXP



SPB2 40 SI-55 P

Part no..:10.01.06.03126

Size: 40
Suction cup material: Silicone SI
Material hardness [Shore A]: 55 Shore A
Number of folds: 2.5
Shape: Push In