

## Vacuum Area Gripper

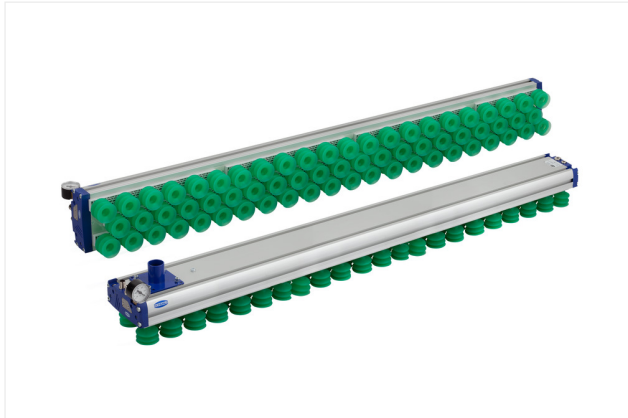
FMP-S-SVK 1432 3R54 SPB2-40-P F G60

Part no.: 10.01.38.03478

<https://www.schmalz.co.jp/10.01.38.03478>

Home > Vacuum Technology for Automation > Vacuum Components > Area Gripping Systems and End Effectors > Vacuum Area Gripping System FXP/FMP > Area Gripping Systems FMP > FMP-S-SVK 1432 3R54 SPB2-40-P F G60

### Vacuum area gripping system for external vacuum generator, with ball check valves



Length L: 1,432 mm

Width B: 130 mm

Arrangement: 3R54

Add. function: Filter

construction shape fittings: Straight

External diameter D: 60 mm

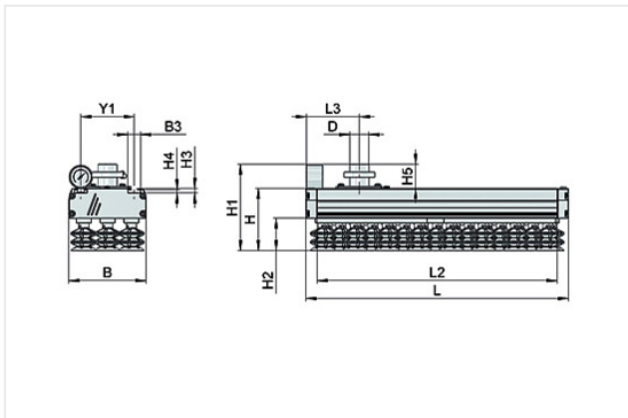
Add. function: 1x control valve vacuum/blow-off

Max. air consumption blow off: 800 l/min

Weight: 7.8 kg

Product family: FMP

### Design Data



| Attribute  | Value     |
|------------|-----------|
| B          | 130 mm    |
| B3         | 21.60 mm  |
| D          | 60 mm     |
| H          | 104.80 mm |
| H1         | 150.40 mm |
| H2         | 55 mm     |
| H3         | 7.70 mm   |
| H4         | 5.50 mm   |
| H5         | 46 mm     |
| L          | 1432 mm   |
| L2         | 1392 mm   |
| L3         | 77 mm     |
| Y1         | 90 mm     |
| Valve type | SVK       |

Note: Vacuum hose with internal diameter equal to dimension D required. See Technical Data -> Shape

### Technical Data

| Attribute                  | Value |
|----------------------------|-------|
| Arrangement                | 3R54  |
| Number of suction cells    | 77    |
| Suction force at -250 mbar | 840 N |

### Contact Schmalz

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|                                       |                                  |
|---------------------------------------|----------------------------------|
| Add. function                         | Filter                           |
| Electrical connection                 | Male connect M12, 4 pol          |
| Add. function                         | Filter                           |
| Add. function                         | 1x control valve vacuum/blow-off |
| Weight                                | 7.80 kg                          |
| Sealing element                       | Suction Cups                     |
| Evacuation rate for $p_u = -0,25$ bar | 1050 l/min                       |
| Product family                        | FMP                              |

For compressed air with 5.5 bar input pressure At  $-0.25$  bar and with the gripper fully covered by a workpiece typical for the application (wooden board with structured surface) The external vacuum generator used must supply at least the specified suction flow (at the vacuum connection piece of the FMP) at  $-0.25$  bar but max. 135 % of the specified suction flow

### Accessories



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

Part no.: 26.07.03.00002

Length L: 1,450 mm

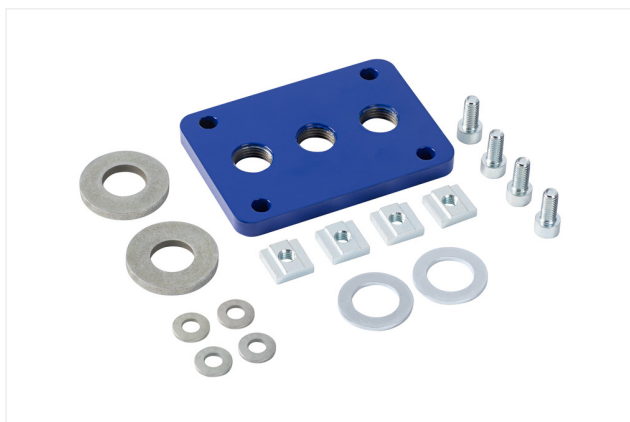
Width B: 10 mm

Height H: 7 mm

Material: Plastics

Measuring range: bar

Construction use: Vacuum area gripping system FXP-FMP



**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

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**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



**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

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**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



**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

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**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

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**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

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**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



**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



**SET fuer-Sensor (FXP/FMP)**

Part no.: 10.01.38.01194

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Part no.: 10.01.38.03478

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### 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

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### STF 60 P 4.5 SSD

Part no.: 10.07.01.00259

Connection: Ø60mm

Shape: Piclon housing

Nominal flow rate: 270 m³/h

Filter pore size: 3 µm

Additional function: Hose clamps SSD



### VAM 40 V U BAR

Part no.: 10.07.02.00046

External diameter D: 40 mm

Measuring range: -1,00 ... 0,00 bar



### VENT-EINH 8/6 NC 24V-DC

Part no.: 10.01.21.02405

Construction use: Vacuum area gripping system FXP-FMP

Connection: Hose 8/6

Control valve: Normally closed

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Part no.: 10.01.38.03478

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VSL 71-60 PU-DS-AS TR

Part no.: 10.07.09.00034

External diameter D: 71 mm

Internal diameter d: 60 mm

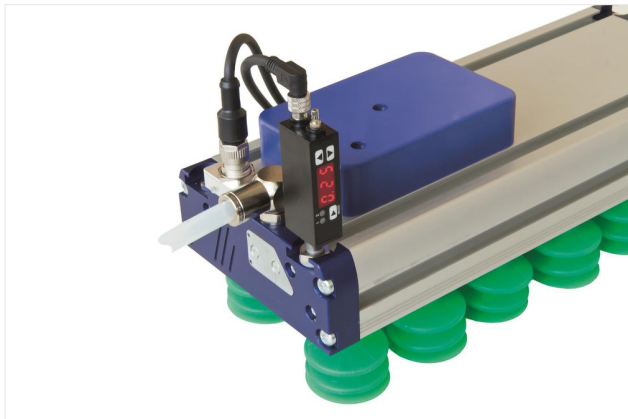
Length max.: 20 m

Material hose: PU, wire spiral, antistatic

Bending radius min.: 40 mm

Pressure range (operating pressure): -0.69 ... 2.09 bar

Operating temperature: -40 ... 90 ° C



VS-MONT 50x15.8x25 VS

Part no.: 10.06.02.00343

Length L: 50 mm

Width B: 15.8 mm

Height H: 25 mm

Measuring range: bar

Construction use: Vacuum switch



VS-MONT 76.5x19 VS FXP-FMP

Part no.: 10.01.38.02485

Length L: 76.5 mm

Width B: 19 mm

Add. function: Vacuum and pressure switch VS

Measuring range: bar

Add. function: Vacuum and pressure switch

Construction use: Vacuum area gripping system FXP-FMP

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### VTR-SL 3x RST60

Part no.: 10.01.10.02779

Length L: 439 mm

Width B: 100 mm

Height H: 156 mm

Connection: Tube end Ø60



### 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



### VSL 8-6 PU MI-TR

Part no.: 10.07.09.00003

External diameter D: 8 mm

Internal diameter d: 6 mm

Length max.: 500 m

Material hose: PU

Bending radius min.: 45 mm

Pressure range (operating pressure): -0.95 ... 10.00 bar

Operating temperature: -35 ... 60 ° C

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**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

## Spare parts



**VENT-BGR FMP-S-50**

Part no.: 10.01.38.03682

Construction use: Vacuum area gripping system FMP-S

contains: Way-valve pneumatic

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**MASK-FOL SVK 1392 3R54 FXP-FMP**

Part no.: 10.01.38.00500

Length L: 1,392 mm

Width B: 109.8 mm

Height H: 0.4 mm

Measuring range: bar

Construction use: Vacuum area gripping system FXP-FMP



**SPB2 40 SI-55 P F**

Part no.: 10.01.38.00452

Add. function: Filter