# Area Gripper

FXP-S-SVK 442 3R18 O10O10 F

Part no..:10.01.38.00903

https://www.schmalz.com/10.01.38.00903

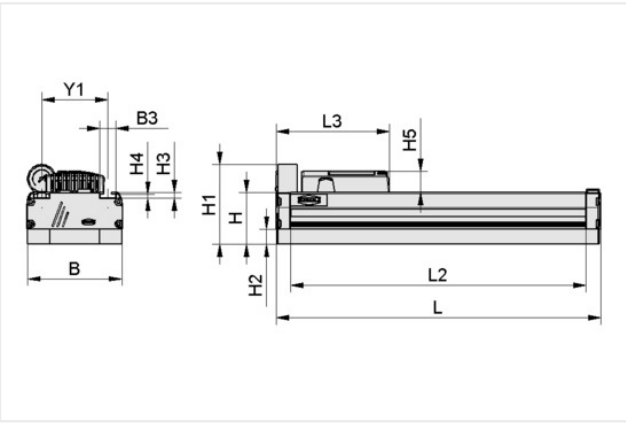
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## Vacuum area gripping system with integrated pneumatic vacuum ball check valves



- Length L: 442 mm
- Width B: 130 mm
- Arrangement: 3R18
- Material type: Foam O, Height 2x10 mm
- Add. function: Filter
- Number of suction cells: 66
- Add. function: 1x control valve vacuum/blow-off
- Design: Multi-stage ejector SEMP
- Construction shape vacuum switch: PNP switching
- Voltage DC: 24V - DC
- Air consumption: 250 l/min
- Weight: 2.8 kg
- Product family: FXP

## Design Data




| Attribute | Value |
|---|---|
| B | 130 mm |
| B3 | 21.60 mm |
| H | 70 mm |
| H1 | 109 mm |
| H2 | 20 mm |
| H3 | 7.70 mm |
| H4 | 5.50 mm |
| H5 | 28 mm |
| L | 442 mm |
| L2 | 402 mm |
| L3 | 154 mm |
| Y1 | 90 mm |
| Valve type | SVK |

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

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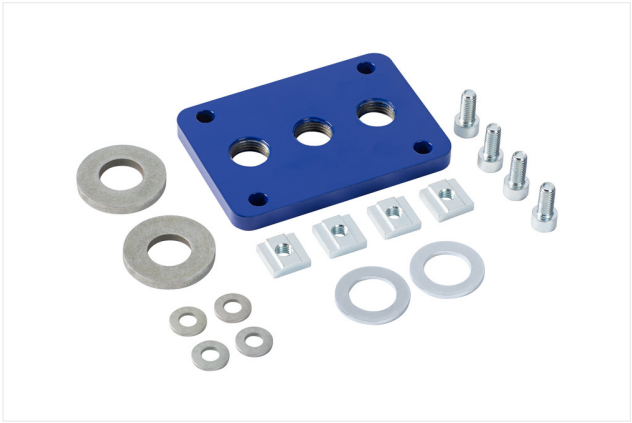
https://www.schmalz.com/10.01.38.00903

## Technical Data

| Attribute | Value |
|---|---|
| Arrangement | 3R18 |
| Material type | Foam O, Height 2x10 mm |
| Number of suction cells | 66 |
| Suction force at -250 mbar | 550 N |
| Suction rate (max.) | 1050 l/min |
| Air consumption | 250 l/min |
| Sealing element | Sealing Foam |
| Add. function | Filter |
| Add. function | Filter |
| Add. function | 1x control valve vacuum/blow-off |
| Weight | 2.80 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 |



**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



**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

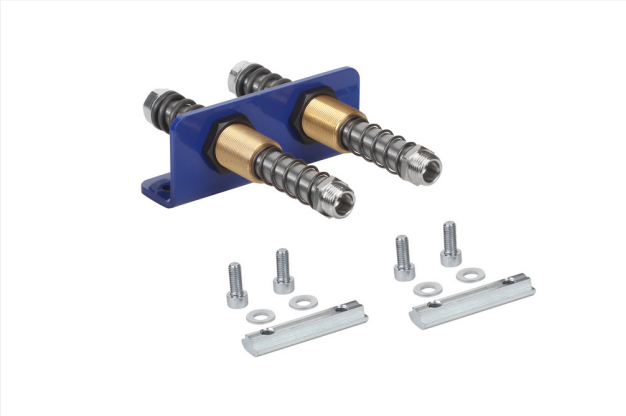
| |
|---|
| Spring stroke Z: 75 mm |
| Shape mounting elements: Heavy Duty 2 spring plunger |
| Construction use: Mounting section |



**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

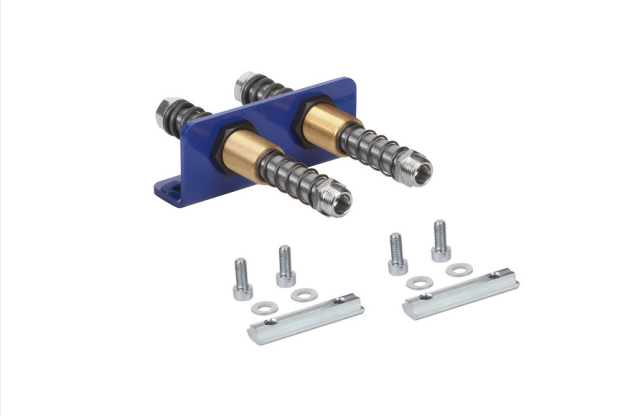
| |
|---|
| Spring stroke Z: 25 mm |
| Shape mounting elements: Heavy Duty 2 spring plunger |
| Construction use: Mounting section |



**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 |



**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

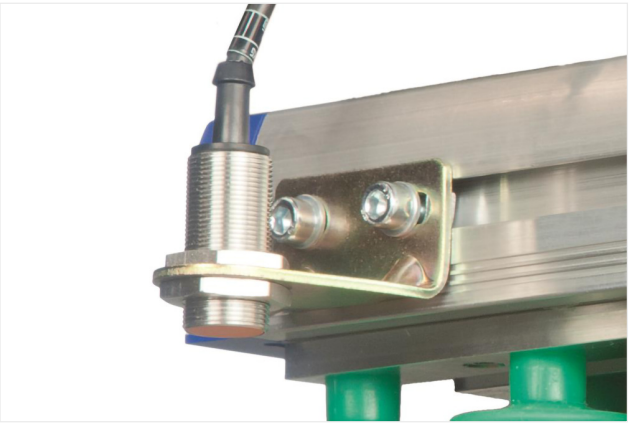
| |
|---|
| Length L: 176.6 mm |
| Width B: 118 mm |
| Height H: 40 mm |
| Construction use: Vacuum area gripping system FXP |



**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 |



**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 |

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**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**

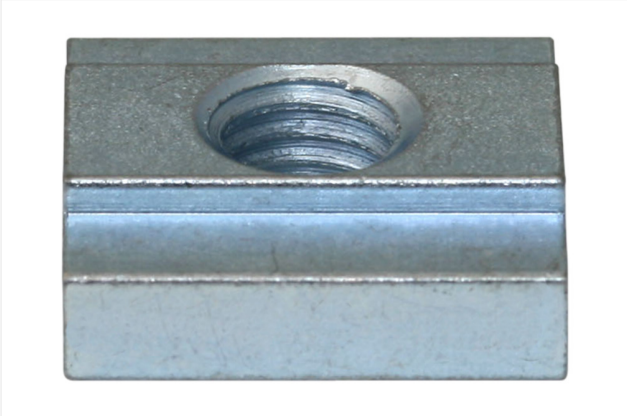
Part no..:10.07.02.00046

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

**VSL 12-9 PU MI-TR**

Part no..:10.07.09.00037

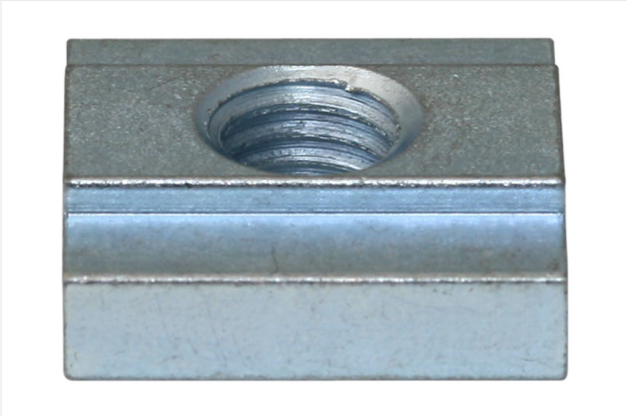
| |
|---|
| External diameter D: 12 mm |
| Internal diameter d: 9 mm |
| Length max.: 50 m |
| Material hose: PU |
| Bending radius min.: 70 mm |
| Pressure range (operating pressure): -0.95 ... 10.00 bar |
| Operating temperature: -20 ... 90 °C |



**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 |



**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 |



**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-50 DECKEL**

Part no..:10.01.38.02190

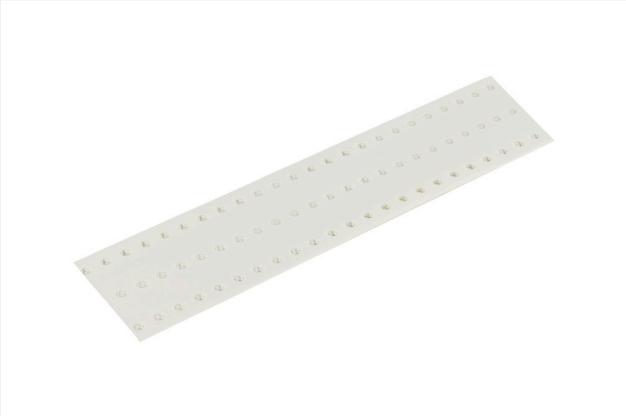
| |
|---|
| Measuring range: bar |
| Size: SEMP-50 |
| contains: Cover |
| Construction use: Vacuum area gripping system FXP-S |

# Area Gripper

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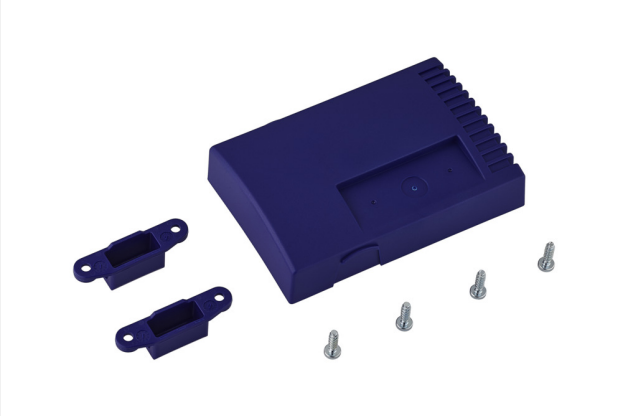
https://www.schmalz.com/10.01.38.00903



**MASK-FOL SVK 402 3R18 FXP-FMP**

Part no..:10.01.38.00307

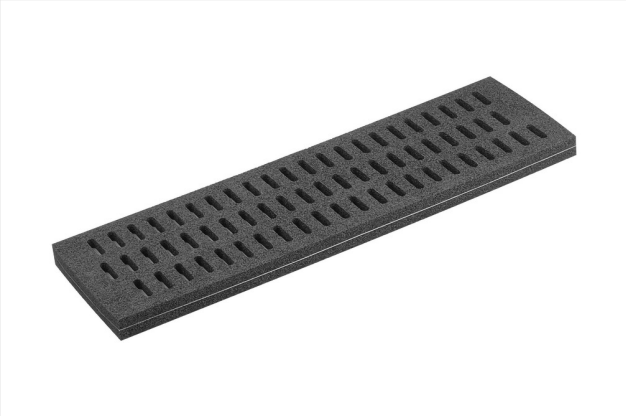
| |
|---|
| Length L: 402 mm |
| Width B: 109.8 mm |
| Height H: 0.4 mm |
| Arrangement suction cells: 3 rows, 18 mm |
| Measuring range: bar |
| Construction use: Vacuum area gripping system FXP-FMP |



**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 |



**DI-PL 442-3R18 O10O10 F FXP-FMP**

Part no..:10.01.38.00192

| |
|---|
| Length L: 442 mm |
| Width B: 128 mm |
| Arrangement: 3R18 |
| Material type: Foam O, Height 2x10 mm |
| Add. function: Filter |
| Construction use: Vacuum area gripping system FXP-FMP |