

## Area Gripper

FMP-SW70 640 3R18 O20 G32

Part no.:10.01.38.00434

<https://www.schmalz.com/10.01.38.00434>

Home > Vacuum Technology for Automation > Vacuum Components > Area Gripping Systems and End Effectors > Vacuum Area Gripping System  
FXP/FMP > Area Gripping Systems FMP > FMP-SW70 640 3R18 O20 G32

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



Length L: 640 mm

Width B: 130 mm

Arrangement: 3R18

Material type: Foam O, Height 20 mm

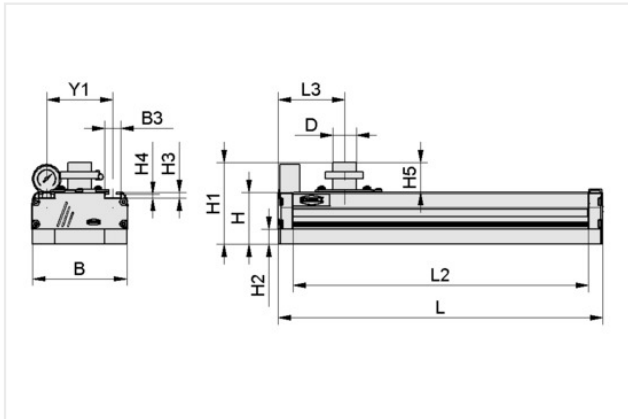
construction shape fittings: Straight

External diameter D: 32 mm

Weight: 2.8 kg

Product family: FMP

### Design Data



| Attribute  | Value    |
|------------|----------|
| B          | 130 mm   |
| B3         | 21.60 mm |
| D          | 32 mm    |
| H          | 70 mm    |
| H1         | 111 mm   |
| H2         | 20 mm    |
| H3         | 7.70 mm  |
| H4         | 5.50 mm  |
| H5         | 41 mm    |
| L          | 640 mm   |
| L2         | 600 mm   |
| L3         | 90 mm    |
| Y1         | 90 mm    |
| Valve type | SW       |

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

### Technical Data

| Attribute               | Value                |
|-------------------------|----------------------|
| Arrangement             | 3R18                 |
| Material type           | Foam O, Height 20 mm |
| Number of suction cells | 99                   |

### Contact Schmalz

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|                                    |              |
|------------------------------------|--------------|
| Suction force at -250 mbar         | 660 N        |
| Weight                             | 2.80 kg      |
| Sealing element                    | Sealing Foam |
| Evacuation rate for pu = -0,25 bar | 450 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



#### EMVP 25 24V-DC 3/2 NO/NC

Part no.:10.05.02.00151

Nominal size: 25 mm

Voltage DC: 24V - DC

Function: 3/2-way valve

Control valve: Optional NO/NC

Connecting thread: G1"-F

Pressure range (operating pressure): bar

Nominal flow rate: 90 m³/h

Weight: 0.52 kg

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### 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

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### 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

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### 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

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### 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

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### 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



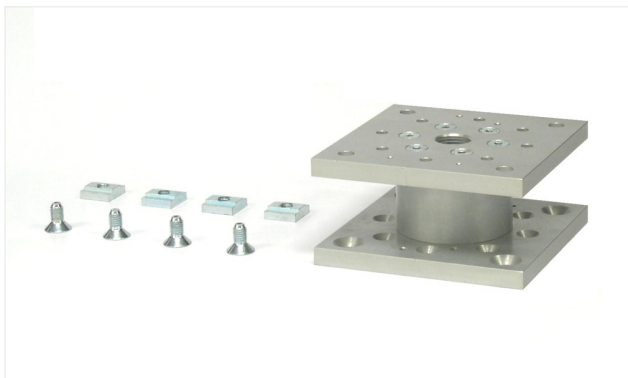
### FST-STARR 75 HD2 G1/2-AG G3/8-IG

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

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### 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

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### 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



### STF G1-1/4-IG N

Part no...:10.01.25.07008

Height H: 116 mm

External diameter D: 136 mm

Measuring range: bar

Weight: 1 kg

Connection: G1-1/4"-F



### VAM 40 V U BAR

Part no...:10.07.02.00046

External diameter D: 40 mm

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

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### 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



### VSL 42-32 PU-DS-AS TR

Part no.:10.07.09.00036

External diameter D: 42 mm

Internal diameter d: 32 mm

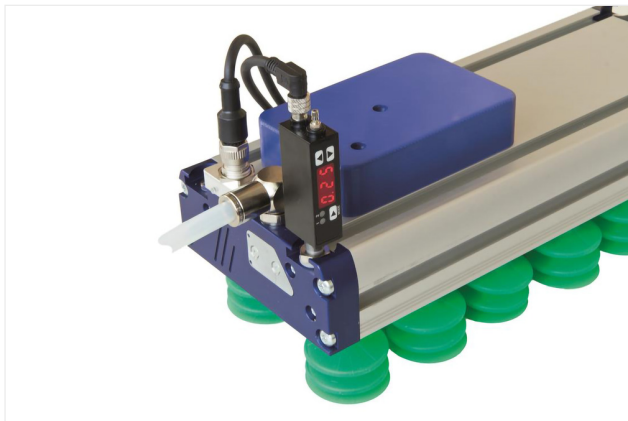
Length max.: 20 m

Material hose: PU, wire spiral, antistatic

Bending radius min.: 25 mm

Pressure range (operating pressure): -1.00 ... 3.77 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

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### 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



### VTR-SL 3x RST60 2xD32

Part no...:10.01.43.00013

Length L: 439 mm

Width B: 100 mm

Height H: 127.5 mm

## Spare parts



### DI-PL 640x128 3R18 LL-20x7 O20 KE

Part no...:10.01.38.00405

Length L: 640 mm

Width B: 128 mm

Arrangement: 3R18

Material type: Foam O, Height 20 mm

Add. function: Adhesive tape on one side

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**DI-PL 640x128 3R18 LL-20x7 O20 KE**

Part no...:10.01.38.00405

Length L: 640 mm

Width B: 128 mm

Arrangement: 3R18

Material type: Foam O, Height 20 mm

Add. function: Adhesive tape on one side

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