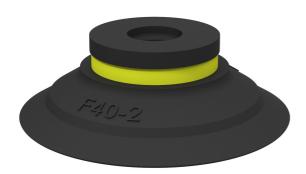
# Suction cup F40-2 Nitrile-PVC, 0101135

- Suitable for flat objects.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and gives extra friction when the lifting force is parallel.



#### General

Curve radius	52 mm
Movement, vertical max.	1.8 mm
Application	Dry sheet metal
Material	Nitrile-PVC (NPV)
Suction cup model	F
Suction cup shape	Flat
Volume	4.8 cm <sup>3</sup>
Weight	5.5 g

# **Fitting**

Fitting size	None
Fitting style	None
Fitting type	None
Fitting option	None

#### **Dimension**

Height	13 mm
Outer diameter	42 mm
Outer diameter, actuated	43.7 mm

## Performance — lifting forces

	<b>±</b>	<b>±</b>
20 -kPa	20 N	15 N
60 -kPa	40 N	25 N
90 -kPa	50 N	30 N

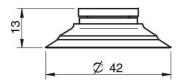
#### Material

	Nitrile-PVC (NPV)
Colour	Black
Hardness	50 °Shore A
Temperature	0 – 90 °C

## Material resistance

	Nitrile-PVC (NPV)
Alcohol	++
Concentrated acids	+
Ethanol	N/A
Hydrolysis	++
Methanol	N/A
Oil	+++
Oxidation	++
Petrol	+++
Wear resistance	+++
Weather and ozone	++

# Dimensional drawings



# Values specified in the data sheet are tested at:

Room temperature	(20°C [68°F] ± 3°C [5.5°F])
Standard atmosphere	(101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg])
Relative humidity	0-100%
Compressed air quality	DIN ISO 8573-1 class 4

# Accessories

Fitting G3/8" male, 30-40, with mesh filter   3250086     Fitting G3/8" male, 30-40, with mesh filter and flow control valve   3250097     Fitting G1/4" male, 30-40, with mesh filter and flow control valve   3250097     Fitting G1/4" male, 30-40, with mesh filter   3250091     Fitting S1/8" NPSF female, 30-40, with dual flow control valve   3250091     Fitting S1/8" NPSF female, 30-40, with dual flow control valve   3250091     Fitting S1/8" NPT male, with mesh filter   3250099     Fitting J3/8" NPT male, with dual flow control valve   3250099     Fitting J3/8" NPT male, with dual flow control valve   3250099     Fitting J3/8" NPSF female, 30-40, with mesh filter   3250099     Fitting J3/8" NPSF female, 30-40, with dual flow control valve   3250096     Fitting J3/8" NPSF female, 30-40, with dual flow control valve   3250096     Fitting J3/8" NPSF female, 30-40, with dual flow control valve   3250096     Fitting J3/8" NPSF female, 30-40, with cone   3250096     Fitting J3/8" NPSF female		
Fitting 63/8" male, 30–40, with mesh and dual flow control valve         3251009           Fitting 61/4" male, 30–40, with mesh filter and dual flow control valve         3250001           Fitting 61/4" male, 30–40, with mesh filter         3250001           Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve         3251011           Fitting 5x1/8" NPSF female, 30–40         0100261           Fitting 3/8" NPT male, with mesh filter         3250089           Fitting 1/8" NPSF female, 30–40, with dual flow control valve         3251010           Fitting 1/8" NPSF female, 30–40, with dual flow control valve         0101153           Fitting 1/8" NPSF female, 30–40, with dual flow control valve         3251006           Fitting 1/8" NPSF female, 30–40, with cone valve         0101156           Fitting 1/8" NPSF female, 30–40, PA         3150197           Fitting 1/8" NPSF female, 30–40, PA         3250005           Fitting 1/4" NPT male, with mesh filter         3250003           Fitting 1/4" NPT male, with dual flow control         3251008		Item no.
flow control valve         3251009           Fitting G1/4" male, 30-40, with mesh filter and flud flow control valve         3251007           Fitting G1/4" male, 30-40, with mesh filter         3250091           Fitting 5x1/8" NPSF female, 30-40, with dual flow control valve         3251011           Fitting 3/8" NPT male, with mesh filter         3250089           Fitting 3/8" NPT male, with dual flow control valve         3251010           Fitting 1/8" NPSF female, 30-40, with mesh filter valve         3251010           Fitting 1/8" NPSF female, 30-40, with dual flow control valve         3251006           Fitting 1/8" NPSF female, 30-40, with cone valve         0101156           Fitting 1/8" NPSF female, 30-40, with cone valve         3150197           Fitting 1/8" NPSF female, 30-40, with mesh filter         3250005           Fitting 1/4" NPT male, with mesh filter         3250003           Fitting 1/4" NPT male, with mesh filter         3250003	Fitting G3/8" male, 30-40, with mesh filter	3250086
dual flow control valve         325007           Fitting G1/4" male, 30–40, with mesh filter         3250091           Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve         3250089           Fitting 3/8" NPT male, with dual flow control valve         3250089           Fitting 3/8" NPT male, with dual flow control valve         3251010           Fitting 1/8" NPSF female, 30–40, with mesh filter         3251010           Fitting 1/8" NPSF female, 30–40, with dual flow control valve         3251006           Fitting 1/8" NPSF female, 30–40, with cone valve         0101156           Fitting 1/8" NPSF female, 30–40, PA         3150197           Fitting 1/8" NPSF female, 30–40, with mesh filter         3250005           Fitting 1/4" NPT male, with mash filter         3250093           Fitting 1/4" NPT male, with dual flow control         3251008		3251009
Fitting 5x1/8" NPSF female, 30-40, with dual flow control valve  Fitting 3/8" NPT male, with mesh filter 3250089  Fitting 3/8" NPT male, with dual flow control valve  Fitting 1/8" NPSF female, 30-40, with mesh filter 0101153  Fitting 1/8" NPSF female, 30-40, with dual flow control valve  Fitting 1/8" NPSF female, 30-40, with cone valve  Fitting 1/8" NPSF female, 30-40, with cone valve  Fitting 1/8" NPSF female, 30-40, PA  Fitting 1/8" NPSF female, 30-40, PA  Fitting 1/8" NPSF female, 30-40, PA  Fitting 1/8" NPSF female, 30-40  3250005  Fitting 1/4" NPT male, with mesh filter  Fitting 1/4" NPT male, with dual flow control  3251008	Fitting G1/4" male, 30–40, with mesh filter and dual flow control valve	3251007
flow control valve         3251011           Fitting 5x1/8" NPSF female, 30–40         0100261           Fitting 3/8" NPT male, with mesh filter         3250089           Fitting 3/8" NPT male, with dual flow control valve         3251010           Fitting 1/8" NPSF female, 30–40, with mesh filter         0101153           Fitting 1/8" NPSF female, 30–40, with dual flow control valve         3251006           Fitting 1/8" NPSF female, 30–40, with cone valve         0101156           Fitting 1/8" NPSF female, 30–40, PA         3150197           Fitting 1/8" NPSF female, 30–40         3250005           Fitting 1/4" NPT male, with mesh filter         3250093           Fitting 1/4" NPT male, with dual flow control         3251008	Fitting G1/4" male, 30–40, with mesh filter	3250091
Fitting 3/8" NPT male, with mesh filter 3250089  Fitting 3/8" NPT male, with dual flow control valve 3251010  Fitting 1/8" NPSF female, 30–40, with mesh filter 3251006  Fitting 1/8" NPSF female, 30–40, with cone valve 0101156  Fitting 1/8" NPSF female, 30–40, PA 3150197  Fitting 1/8" NPSF female, 30–40 3250005  Fitting 1/4" NPT male, with mesh filter 3250093  Fitting 1/4" NPT male, with dual flow control 3251008		3251011
Fitting 1/8" NPSF female, 30–40, with mesh filter  Fitting 1/8" NPSF female, 30–40, with mesh filter  Fitting 1/8" NPSF female, 30–40, with dual flow control valve  Fitting 1/8" NPSF female, 30–40, with cone valve  Fitting 1/8" NPSF female, 30–40, PA  Fitting 1/8" NPSF female, 30–40  Fitting 1/4" NPT male, with mesh filter  Fitting 1/4" NPT male, with dual flow control  Fitting 1/4" NPT male, with dual flow control  Fitting 1/4" NPT male, with dual flow control	Fitting 5x1/8" NPSF female, 30–40	0100261
valve  Fitting 1/8" NPSF female, 30–40, with mesh filter  Fitting 1/8" NPSF female, 30–40, with dual flow control valve  Fitting 1/8" NPSF female, 30–40, with cone valve  Fitting 1/8" NPSF female, 30–40, PA  Fitting 1/8" NPSF female, 30–40, PA  Fitting 1/8" NPSF female, 30–40  Fitting 1/8" NPSF female, 30–40  3250005  Fitting 1/4" NPT male, with mesh filter  3250093  Fitting 1/4" NPT male, with dual flow control  3251008	Fitting 3/8" NPT male, with mesh filter	3250089
Fitting 1/8" NPSF female, 30–40, with dual flow control valve  Fitting 1/8" NPSF female, 30–40, with cone valve  Fitting 1/8" NPSF female, 30–40, PA  Fitting 1/8" NPSF female, 30–40, PA  Fitting 1/8" NPSF female, 30–40  3250005  Fitting 1/4" NPT male, with mesh filter  3250093  Fitting 1/4" NPT male, with dual flow control  3251008		3251010
control valve  Fitting 1/8" NPSF female, 30–40, with cone valve  Fitting 1/8" NPSF female, 30–40, PA  Fitting 1/8" NPSF female, 30–40  Fitting 1/8" NPSF female, 30–40  3250005  Fitting 1/4" NPT male, with mesh filter  3250093  Fitting 1/4" NPT male, with dual flow control  3251008		0101153
Valve  Fitting 1/8" NPSF female, 30–40, PA  3150197  Fitting 1/8" NPSF female, 30–40  Fitting 1/4" NPT male, with mesh filter  3250093  Fitting 1/4" NPT male, with dual flow control  3251008		3251006
Fitting 1/8" NPSF female, 30–40 3250005  Fitting 1/4" NPT male, with mesh filter 3250093  Fitting 1/4" NPT male, with dual flow control 3251008		0101156
Fitting 1/4" NPT male, with mesh filter 3250093  Fitting 1/4" NPT male, with dual flow control 3251008	Fitting 1/8" NPSF female, 30–40, PA	3150197
Fitting 1/4" NPT male, with dual flow control 3251008	Fitting 1/8" NPSF female, 30–40	3250005
	Fitting 1/4" NPT male, with mesh filter	3250093
		3251008