

Suction cup F50-2 Nitrile-PVC, 1/8" NPSF female, with cone valve, 3150051P

- 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	55 mm
Movement, vertical max.	2.2 mm
Application	Dry sheet metal
Material	Nitrile-PVC (NPV)
Suction cup model	F
Suction cup shape	Flat
Volume	10 cm ³
Weight	14 g

Fitting

Fitting size	1/8"
Fitting style	Female
Fitting type	NPSF-thread
Fitting option	Cone valve

Dimension

Height	26 mm
Outer diameter	53 mm
Outer diameter, actuated	54.6 mm

Performance — lifting forces

		
20 -kPa	36 N	24 N
60 -kPa	74 N	40 N
90 -kPa	96 N	50 N

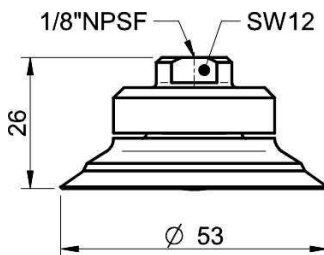
Material

	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

Spare parts

	Item no.
Suction cup F50-2 Nitrile-PVC	0101137
Fitting 1/8" NPSF female, 50, with cone valve	0101157

Accessories

	Item no.
Suction cup F50-2 Silicone	0101138
Suction cup F50-2 HNBR	0108166
Suction cup F50-2 Nitrile-PVC, for fitting with cone valve	3150241P
Suction cup F50-2 Silicone, for fitting with cone valve	3150241S
Fitting G3/8" male, 50, with mesh filter and dual flow control valve	3251015
Fitting G3/8" male, 50, with mesh filter	3250087
Fitting G1/4" male, with mesh filter and dual flow control valve	3251013
Fitting G1/4" male, 50, with mesh filter	3250092
Fitting 5x1/8" NPSF female, 50, with dual flow control valve	3251017
Fitting 5x1/8" NPSF female, 50	0100262
Fitting 3/8" NPT male, with mesh filter	3250090
Fitting 3/8" NPT male, with dual flow control valve	3251016
Fitting 1/8" NPSF female, 50, with mesh filter	0101154
Fitting 1/8" NPSF female, 50, with dual flow control valve	3251012
Fitting 1/8" NPSF female, 50, PA	3150198
Fitting 1/8" NPSF female, 50	3250017
Fitting 1/4" NPT male, with mesh filter	3250094
Fitting 1/4" NPT male, with dual flow control valve	3251014