



Item no: 0209430

Suction cup BXF105P Polyurethane 60, M10×1,5 male with mesh filter

- Special designed friction cup with multi bellows for oily metal sheets. Suitable for application where great level compensation is needed such as de-stacking sheets from magazines (press-line) and picking car body parts from racks.
- Very low vacuum level needed to fully compress the extra-long bellows causes the cup not to push away parts from position.
- The "BXF" design is suitable for flat as well as uneven/curved surfaces.
- Internal friction pattern on the lip can withstand high shear forces, typically 3–5 times more than corresponding conventional suction cups.
- Best choice if > 0.1g/m² press oil is used on the sheet but also a great choice for dry metal sheets.
- DURAFLEX® is a material that features the elasticity of rubber and wear resistance of polyurethane. The material has a fantastic elastic memory, even after hundreds of thousand cycles.

General

Application	Oily sheet metal
Suction cup shape	Bellows
Material	Polyurethane (PU60)
Suction cup model	BXF
Weight	206.2 g
Volume	284 cm ³
Suction cup model	BXF105P Dry metal sheet
Specification	Dry metal sheet
Movement, vertical max.	56.4 mm
Curve radius, min.	230 mm
Suction cup model	BXF105P Oily metal sheet
Specification	Oily metal sheet

Fitting

Material	Brass
Fitting option	Filter mesh
Fitting size	M10×1.5
Fitting style	Male
Fitting type	M-thread

Dimension

Height	93.1 mm
Outer diameter, actuated	108 mm
Outer diameter	105 mm
Width, actuated	105 mm

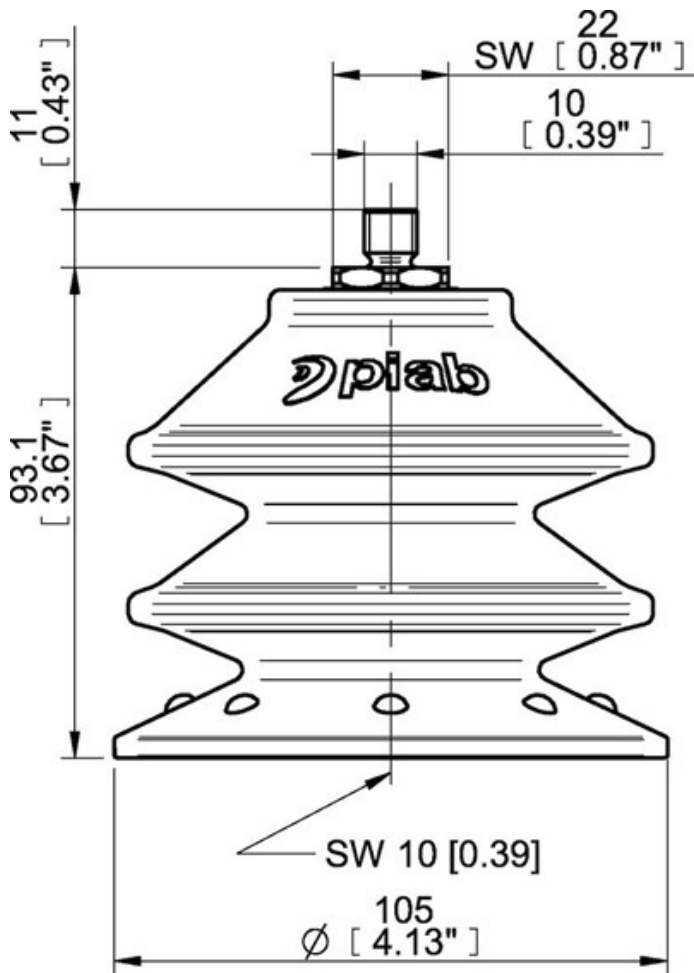
Performance - lifting forces

BXF105P Dry metal sheet	↑	↗
60 -kPa	217 N	105 N
90 -kPa	282 N	114 N
BXF105P Oily metal sheet	↑	↗
60 -kPa	238 N	125 N
90 -kPa	314 N	129 N

Material

Name	PU60
Colour	Orange
Temperature	10 - 50 °C
Hardness	60 °Shore A

	PU60
Alcohol	n/a
Concentrated acids	+
Ethanol	+
Hydrolysis	+
Methanol	-
Oil	+++
Oxidation	-
Petrol	+
Wear resistance	+++
Weather and ozone	+++



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