

# Datasheet

## Suction cup BFFT105P Polyurethane 60/60/30, T-slot with mesh filter

Item number: BFFT105P.5V.T2MR



### Technical data

Description	Unit	Value
Suction cup shape	-	Bellows
Application	-	Oily sheet metal
Suction cup design	-	Round
Characteristics	-	Oily sheet metal
Material	-	Polyurethane (PU)
Weight, min.	oz	4.65
Suction cup model	-	BFFT
Volume	in <sup>3</sup>	6.82
Height	in	1.91
Height 2 (Actuated)	in	0.99
Outer diameter, min.	in	4.13
Outer diameter, actuated	in	4.29
Fitting option	-	Filter mesh
Fitting style	-	T-slot
Fitting material	-	Al (anodized)
Suction cup model	-	BFFT105 Dry metal sheet
Movement, vertical max.	in	0.91
Curve radius, min.	in	2.56
Suction cup model	-	BFFT105 Oily metal sheet
Movement, vertical max.	in	0.91
Curve radius, min.	in	2.56

### Performance - Lifting forces

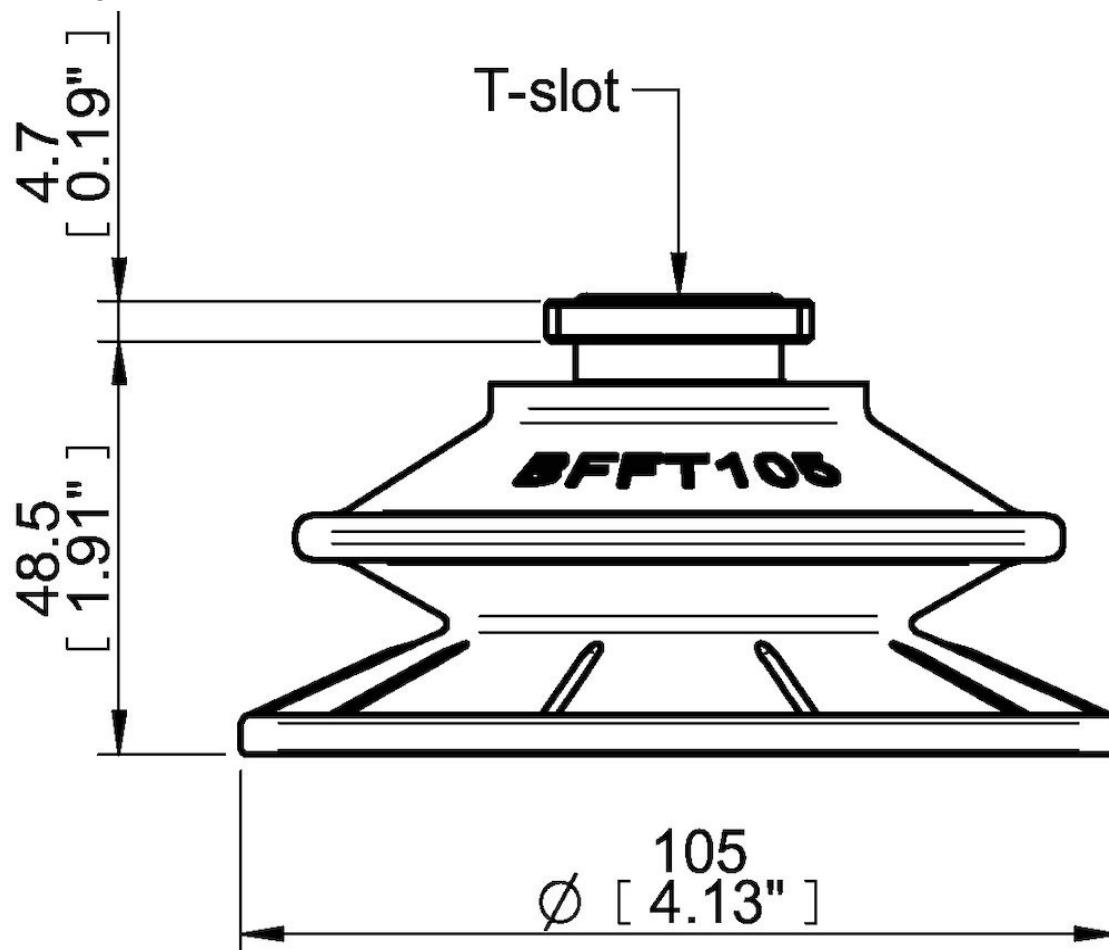
	Vertical (lb)	Parallel (lb)
BFFT105 Dry metal sheet		
17.72 -inHg	70.82	66.99
26.58 -inHg	72.39	94.65
BFFT105 Oily metal sheet		
17.72 -inHg	69.69	38.22
26.58 -inHg	71.49	52.38

<b>Material</b>			
Name	Polyurethane (PU30)	Polyurethane (PU60)	Polyurethane (PU60)
Color	Yellow	Green transparent	Orange
Temperature, min.   °F	50.0	50.0	50.0
Temperature max.   °F	122.0	122.0	122.0
Hardness   °Shore A	30	60	60

#### **Material resistance**

Alcohol	n/a	n/a	n/a
Concentrated acids	Fair	Fair	Fair
Ethanol	Fair	Fair	Fair
Hydrolysis	Fair	Fair	Fair
Methanol	Poor	Poor	Poor
Oil	Excellent	Excellent	Excellent
Oxidation	Poor	Poor	Poor
Gasoline	Fair	Fair	Fair
Wear resistance	Excellent	Excellent	Excellent
Weather and ozone	Excellent	Excellent	Excellent

#### **Dimensional drawings**



**Values specified in this data sheet are tested at (unless otherwise stated):**

- 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 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.