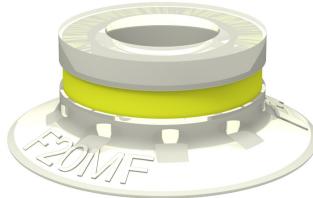


Datasheet

Suction cup F20MF Thermoelastic polyurethane

Item number: F20MF.40

- Suction cup of TPU, a mark free material that leaves no trace on the object being handled.
- Suitable for flat surfaces.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.



Technical data

Description	Unit	Value
Suction cup shape	-	Flat
Application	-	Mark Free
Suction cup design	-	Round
Characteristics	-	Mark free
Material	-	TPE
Weight, min.	oz	0.042
Suction cup model	-	F-MF
Volume	in ³	0.061
Height	in	0.31
Outer diameter, min.	in	0.87
Outer diameter, actuated	in	0.91
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Suction cup model	-	F20MF
Movement, vertical max.	in	0.047
Curve radius, min.	in	0.71

Performance - Lifting forces

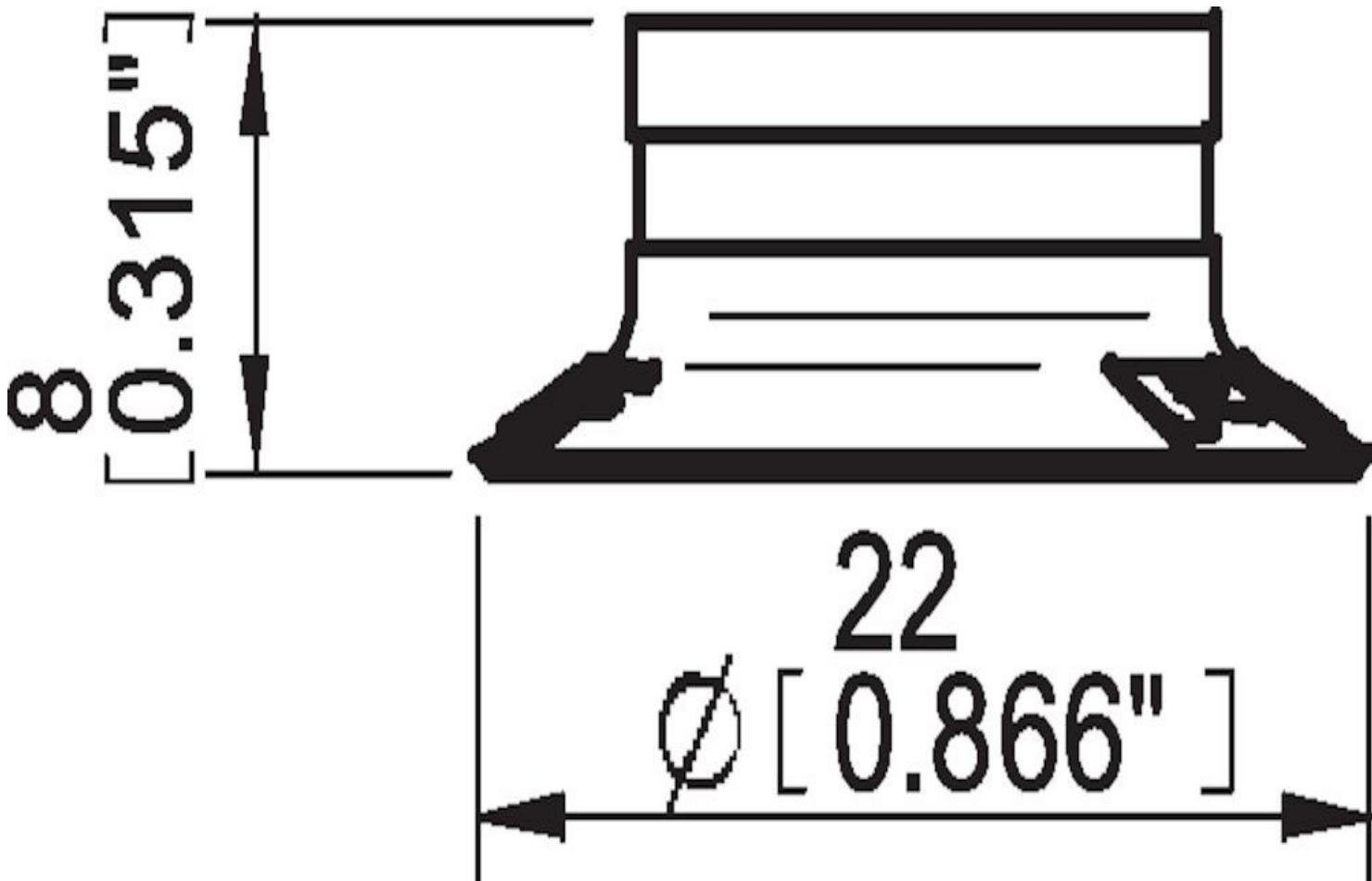
F20MF	Vertical (lb)	Parallel (lb)
5.91 -inHg	0.81	1.80
17.72 -inHg	3.26	3.26
26.58 -inHg	4.95	4.72

Material	
Name	Thermoplastic Polyurethane (TPE-U)
Color	White transparent
Temperature, min. °F	-4.0
Temperature max. °F	176.0
Hardness °Shore A	81

Material resistance

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

Accessories

02AE | Fitting 5xM5 female
02AF | Fitting G1/8" male/M5 female, with mesh filter
02CD | Fitting G1/8" male/M5 female, PA
02AA | Fitting M5 female
02AD | Fitting G1/8" male/M5 female
02AB | Fitting G1/8" male, with mesh filter
02AC | Fitting 1/8" NPT male, with mesh filter
02DA | Fitting M5 female, with dual flow control valve
02DC | Fitting 1/8" NPT male, with dual flow control valve
02DD | Fitting G1/8" male/M5 female, with dual flow control valve
02DE | Fitting 5xM5 female, with dual flow control valve