

# Datasheet

## Suction cup U20-2P Polyurethane 50, 1/8" Male

Item number: U20-2P.4D.02AI



- Long-life suction cup
- Suitable for several book binding applications
- Easy to handle different paper qualities due to the three different shore ratings
- DURAFLEX® are suction cups manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane

### Technical data

Description	Unit	Value
Suction cup shape	-	Universal
Application	-	Thin paper / slip sheets / film
Suction cup design	-	Round
Characteristics	-	Bag opening/thin paper - slip sheets/film
Material	-	Polyurethane (PU)
Weight, min.	oz	0.15
Suction cup model	-	U-P
Volume	in <sup>3</sup>	0.043
Height	in	0.90
Outer diameter, min.	in	0.81
Fitting size	-	1/8"
Fitting option	-	None
Fitting style	-	Male
Fitting type	-	G-thread
Suction cup model	-	U20-2P PU40
Movement, vertical max.	in	0.20
Curve radius, min.	in	0.35

### Performance - Lifting forces

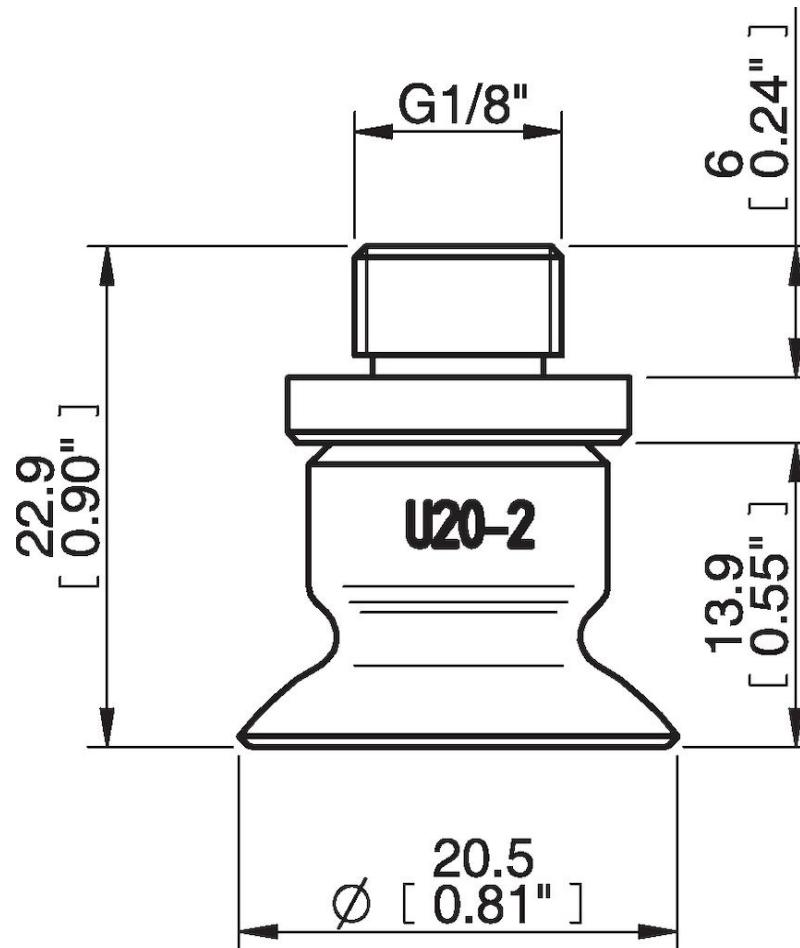
	Vertical (lb)	Parallel (lb)
U20-2P PU40		
5.91 -inHg	0.67	0.34
17.72 -inHg	2.36	0.67
26.58 -inHg	3.15	1.35

<b>Material</b>	
Name	Polyurethane (PU50)
Color	Blue transparent
Temperature, min.   °F	50.0
Temperature max.   °F	122.0
Hardness   °Shore A	50

#### Material resistance

Alcohol	n/a
Concentrated acids	Fair
Ethanol	Fair
Hydrolysis	Fair
Methanol	Poor
Oil	Excellent
Oxidation	Poor
Gasoline	Fair
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.