

Datasheet

Suction cup DCF80P Polyurethane 60, T-slot with mesh filter

Item number: DCF80P.5Y.T2MR



Technical data

Description	Unit	Value
Suction cup shape	-	Deep Concave
Application	-	Oily sheet metal
Suction cup design	-	Round
Characteristics	-	Oily sheet metal
Material	-	Polyurethane (PU)
Weight, min.	oz	2.15
Suction cup model	-	DCF
Volume	in ³	1.81
Height	in	1.24
Height 2 (Actuated)	in	0.83
Outer diameter, min.	in	3.15
Outer diameter, actuated	in	3.35
Fitting option	-	Filter mesh
Fitting style	-	T-slot
Fitting material	-	Al (anodized)
Suction cup model	-	DCF80 Dry metal sheet
Movement, vertical max.	in	0.41
Curve radius, min.	in	2.087
Suction cup model	-	DCF80 Oily metal sheet
Movement, vertical max.	in	0.41
Curve radius, min.	in	2.087

Performance - Lifting forces

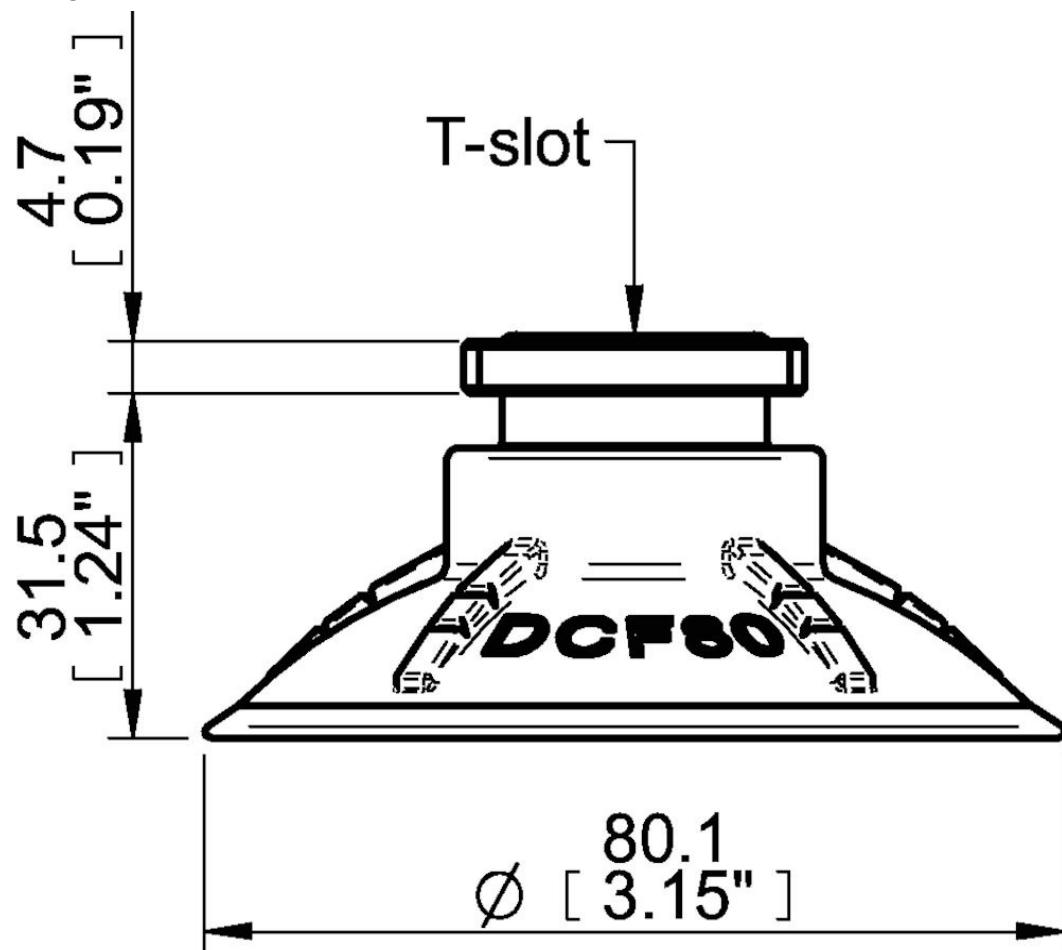
	Vertical (lb)	Parallel (lb)
DCF80 Dry metal sheet		
17.72 -inHg	40.24	29.00049
26.58 -inHg	53.28	45.64
DCF80 Oily metal sheet		
17.72 -inHg	37.094	20.23
26.58 -inHg	49.23	28.78

Material	
Name	Polyurethane (PU60)
Color	Orange
Temperature, min. °F	50.0
Temperature max. °F	122.0
Hardness °Shore A	60

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] \pm 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] \pm 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.