

# Datasheet

## Suction cup DCF100P Polyurethane 60, 3/8" NPT female with mesh filter

Item number: DCF100P.5Y.N49MR



### 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	3.36
Suction cup model	-	DCF
Volume	in <sup>3</sup>	3.60
Height	in	1.83
Height 2 (Actuated)	in	1.36
Outer diameter, min.	in	3.95
Outer diameter, actuated	in	4.13
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPT-thread
Fitting material	-	Brass
Suction cup model	-	DCF100 Dry metal sheet
Movement, vertical max.	in	0.47
Curve radius, min.	in	2.76
Suction cup model	-	DCF100 Oily metal sheet
Movement, vertical max.	in	0.47
Curve radius, min.	in	2.76

### Performance - Lifting forces

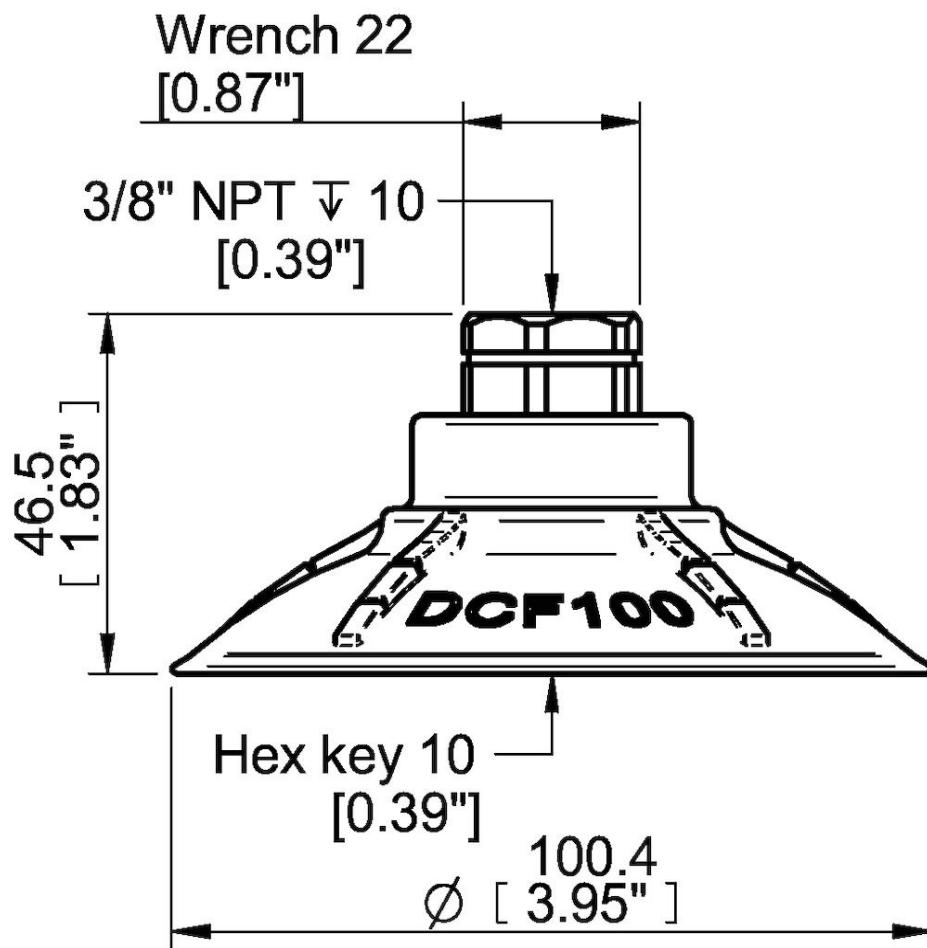
	Vertical (lb)	Parallel (lb)
DCF100 Dry metal sheet		
17.72 -inHg	55.98	60.47
26.58 -inHg	75.31	92.85
DCF100 Oily metal sheet		
17.72 -inHg	53.50	42.26
26.58 -inHg	72.84	58.45

<b>Material</b>	
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] ± 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.