

Datasheet

Suction cup DCF30P Polyurethane 60, 3/8" NPT female

Item number: DCF30P.5Y.N50W



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	1.15
Suction cup model	-	DCF
Volume	in ³	0.098
Height	in	1.17
Height 2 (Actuated)	in	1.020
Outer diameter, min.	in	1.18
Outer diameter, actuated	in	1.26
Fitting size	-	3/8"
Fitting style	-	Female
Fitting type	-	NPT-thread
Fitting material	-	Brass
Suction cup model	-	DCF30 Dry metal sheet
Movement, vertical max.	in	0.15
Curve radius, min.	in	0.59
Suction cup model	-	DCF30 Oily metal sheet
Movement, vertical max.	in	0.15
Curve radius, min.	in	0.59

Performance - Lifting forces

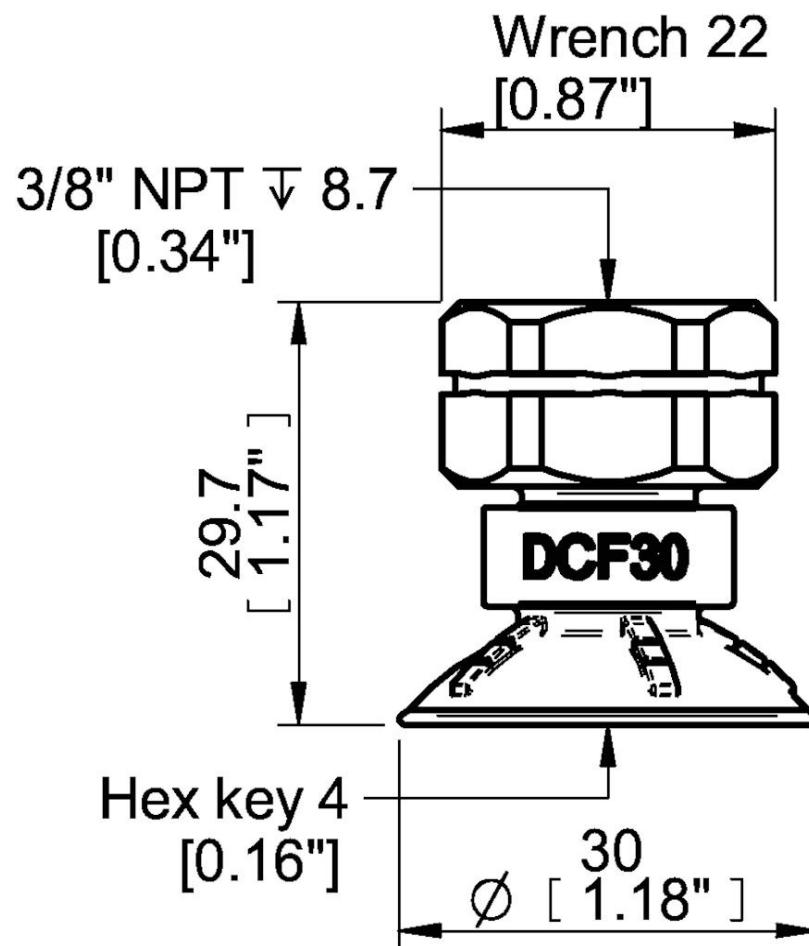
	Vertical (lb)	Parallel (lb)
DCF30 Dry metal sheet		
17.72 -inHg	6.74	3.82
26.58 -inHg	9.22	6.070
DCF30 Oily metal sheet		
17.72 -inHg	5.85	2.70
26.58 -inHg	7.87	3.82

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] ± 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.