

## Suction cup DCF65P Polyurethane 60, G3/8" female plastic

Item number: DCF65P.4S.G68WC



- Special designed friction cups for domed or flat oily surfaces, such as sheets in metal forming processes.
- Long lasting material, normal wear on friction cup will not affect the long term shear force performance.
- Best choice if > 0.1g/m<sup>2</sup> press oil is used on the sheet but also a great choice for dry metal sheets.
- Refined internal friction pattern provides additional grip performance, the suction cups can withstand high shear forces, typically 3–5 times more than corresponding conventional suction cups.
- Thin design that easily will follow convex or concave surfaces. The thin and pliable design in combination with a special inner friction pattern will maximize grip performance.
- DURAFLEX® suction cups manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane. The material does not leave any marks on the objects handled and has a fantastic elastic memory, even after hundreds of thousands of cycles.

### 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	0.87
Suction cup model	-	DCF
Volume	in <sup>3</sup>	1.46
Height	in	1.50
Outer diameter, min.	in	2.66
Outer diameter, actuated	in	2.85
Fitting size	-	3/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	G-thread
Suction cup model	-	DCF65P Oily metal sheet
Movement, vertical max.	in	0.39
Curve radius, min.	in	3.74
Suction cup model	-	DCF65P Dry metal sheet
Movement, vertical max.	in	0.39
Curve radius, min.	in	3.74

## Performance - Lifting forces

	Vertical (lb)	Parallel (lb)
DCF65P Oily metal sheet		
17.72 -inHg	31.70	22.48
26.58 -inHg	42.94	30.12
DCF65P Dry metal sheet		
17.72 -inHg	32.15	32.82
26.58 -inHg	43.39	44.063

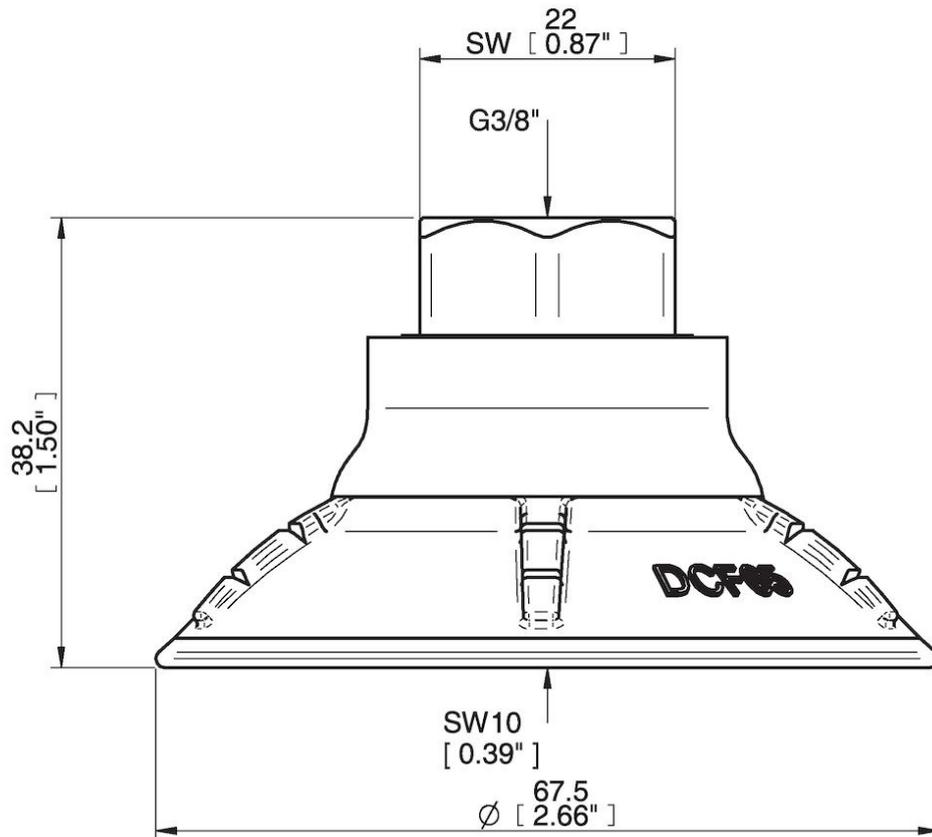
## Material

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.