

# Suction cup FC150P Polyurethane 40, 3/8" NPSF female, with mesh filter

Item number: FC150P.4C.11NB



- Suitable for slightly domed and flat and oily surfaces, e.g., such as those encountered when handling steel sheets in press processes.
- Thanks to the high friction of the rubber material, the suction cups can withstand high forces at rapid accelerations in horizontal directions, even on oily surfaces.
- The suction cups have cleats that prevent thin objects from being disfigured.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

Technical data

| Description             | Unit | Value                      |
|-------------------------|------|----------------------------|
| Suction cup shape       | -    | Flat Concave               |
| Application             | -    | Dry sheet metal, Mark Free |
| Suction cup design      | -    | Round                      |
| Characteristics         | -    | Dry sheet metal, Mark free |
| Material                | -    | Polyurethane (PU)          |
| Weight, min.            | oz   | 7.51                       |
| Suction cup model       | -    | FC                         |
| Volume                  | in³  | 15.26                      |
| Height                  | in   | 2.22                       |
| Outer diameter, min.    | in   | 5.91                       |
| Fitting size            | -    | 3/8"                       |
| Fitting option          | -    | Filter mesh                |
| Fitting style           | -    | Female                     |
| Fitting type            | -    | NPSF-thread                |
| Suction cup model       | -    | FC150P PU40                |
| Movement, vertical max. | in   | 0.56                       |
| Curve radius, min.      | in   | 6.50                       |

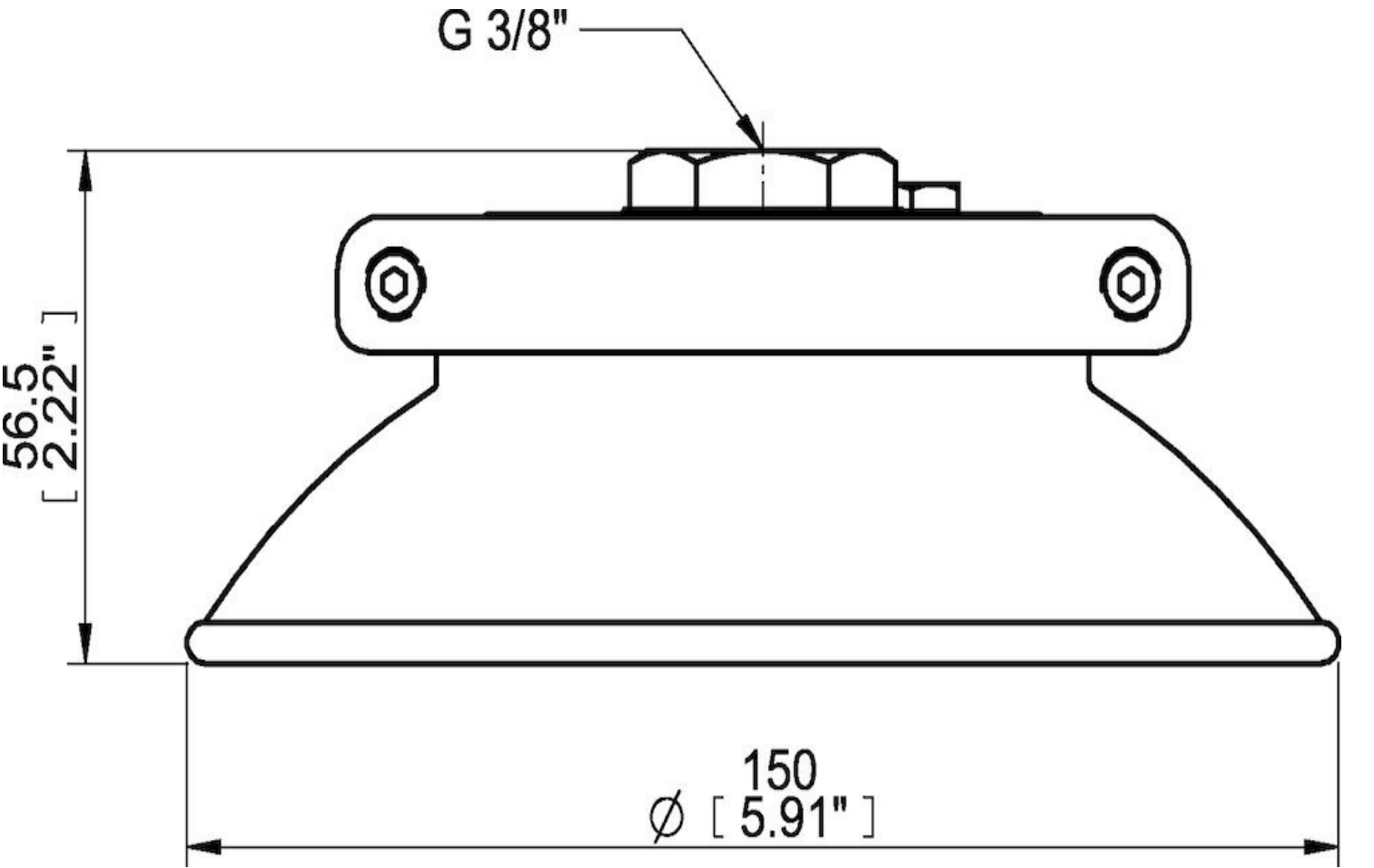
Performance - Lifting forces

| FC150P PU40 | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg  | 61.60         | 77.11         |
| 17.72 -inHg | 145.45        | 171.98        |
| 26.58 -inHg | 207.27        | 202.78        |

| Material               |                     |
|------------------------|---------------------|
| Name                   | Polyurethane (PU40) |
| Color                  | Red transparent     |
| Temperature, min.   °F | 50.0                |
| Temperature max.   °F  | 122.0               |
| Hardness   °Shore A    | 40                  |

| 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.

Accessories

- 11NA | Fitting 110 G3/8" female, clamp ring with mesh filter
- 11NC | Fitting 110 G1/2" female, clamp ring with mesh filter

**Spare parts**

11NB | Fitting 110, 3/8" NPSF female, with mesh filter

FC150P.4C | Suction cup FC150P Polyurethane 40