

# Datasheet

## Suction cup BX110P Polyurethane 30/60 with filter, thread insert G3/8" male for Vacuum Gripper System (VGS)

Item number: BX110P.5K.G40W.F



- Suitable for level adjustment and for uneven and porous surfaces such as cardboard, etc.
- Dual hardness allowing strength and stability in conjunction with softness and flexibility.
- DURAFLLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLLEX® material is mark-free.
- Filter disk made of polyester PES4/14 and TPE.

### Technical data

Description	Unit	Value
Suction cup shape	-	Multibellows
Application	-	Dry sheet metal, Corrugated cardboard/Paperboard, Plastic injection molded parts, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Corrugated / cardboard, Plastic injection molded parts, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	8.36
Suction cup model	-	BX-P
Volume	in³	14.035
Height	in	3.31
Outer diameter, min.	in	4.48
Fitting size	-	3/8"
Fitting option	-	Filter
Fitting style	-	Male
Fitting type	-	G-thread
Suction cup model	-	BX110P PU30 PU60
Movement, vertical max.	in	1.54
Curve radius, min.	in	2.17

### Performance - Lifting forces

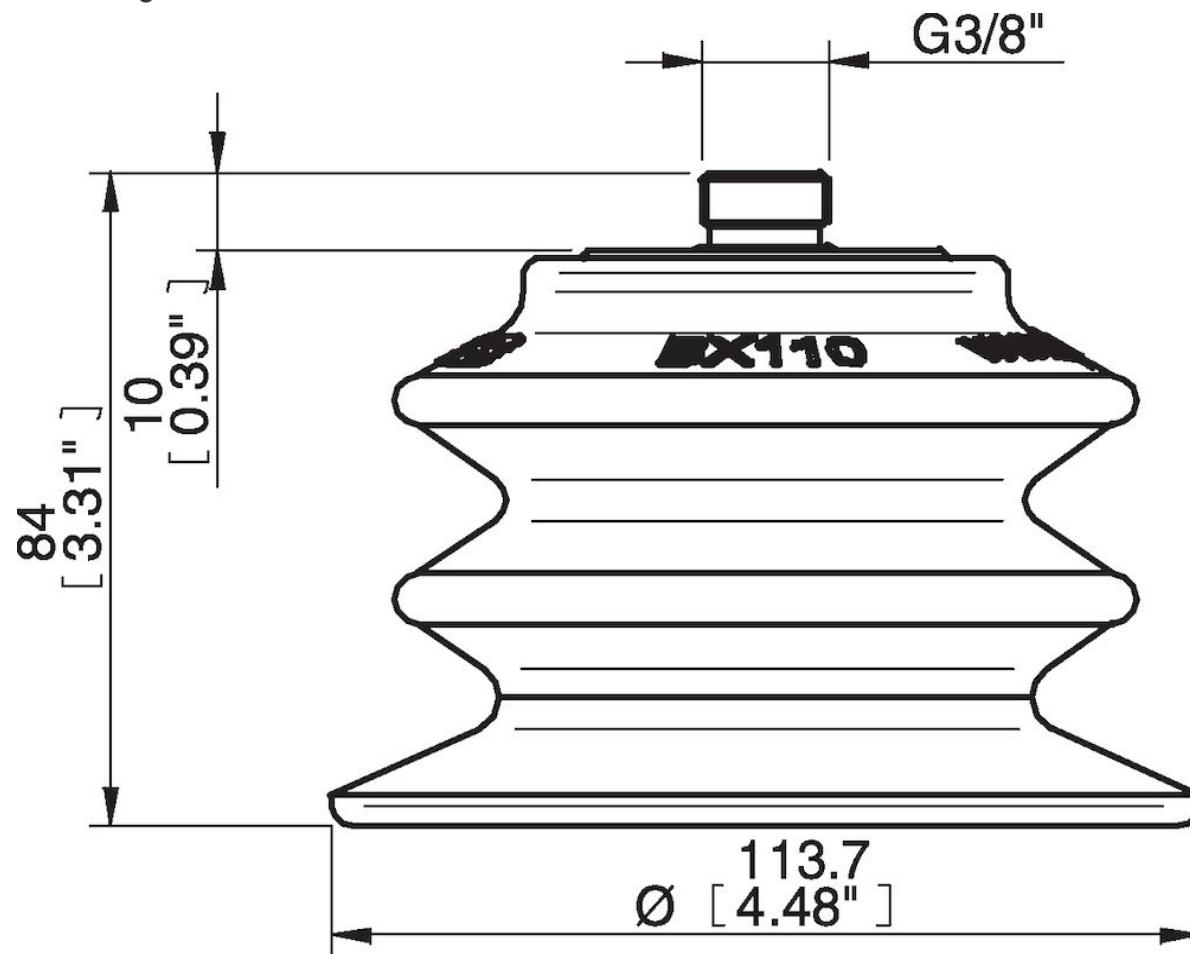
BX110P PU30 PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	35.52	31.47
17.72 -inHg	68.79	51.71
26.58 -inHg	77.78	58.45

Name	Polyurethane (PU30)	Polyurethane (PU60)
Color	Yellow	Green transparent
Temperature, min.   °F	50.0	50.0
Temperature max.   °F	122.0	122.0
Hardness   °Shore A	30	60

#### Material resistance

Alcohol	n/a	n/a
Concentrated acids	Fair	Fair
Ethanol	Fair	Fair
Hydrolysis	Fair	Fair
Methanol	Poor	Poor
Oil	Excellent	Excellent
Oxidation	Poor	Poor
Gasoline	Fair	Fair
Wear resistance	Excellent	Excellent
Weather and ozone	Excellent	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

BX110P.5K | Suction cup BX110P Polyurethane 30/60, for thread insert for Vacuum Gripper System (VGS)  
 BX110P 5F F | Suction cup BX110P Polyurethane 60 with filter, for thread insert for Vacuum Gripper System (VGS)

## Spare parts

01.06.797 | Thread insert G3/8" male, with O-ring for Vacuum Gripper System (VGS)

BX110P.5K.F | Suction cup BX110P Polyurethane 30/60 with filter, for thread insert for Vacuum Gripper System (VGS)

02.01.004 | Suction cup filter BX110P, 10 pcs