

BX110P



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Suction cup with 2½ bellows

- 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.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.
- Filter disk made of polyester PES4/14 and TPE.

Lifting forces & Technical data

Material	Outer Dia in	Lifting force vertical to the surface, lbf, at vacuum level			Lifting force parallel to the surface, lbf, at vacuum level			Volume in ³	Min. curve radius in	Max. vertical movement in
		6 -inHg	18 -inHg	27 -inHg	6 -inHg	18 -inHg	27 -inHg			
PU30°/60°	4.48	35.5	68.8	77.8	18.7*	58.0*	58.5*	14.0	2.17	1.54
PU60°	4.48	40.7	95.8	95.3	35.5*	54.9*	65.9*	14.0	2.17	1.54

*The suction cup is not intended for handling shear lifts. The values are given as a dimensioning guide to be used when, e.g., the acceleration/retardation causes shear forces.

Material specifications

Material	Color	Hardness °Shore A	Temperature range °F
Polyurethane, PU30	Yellow transparent	30	50–122
Polyurethane, PU60	Green transparent	60	50–122

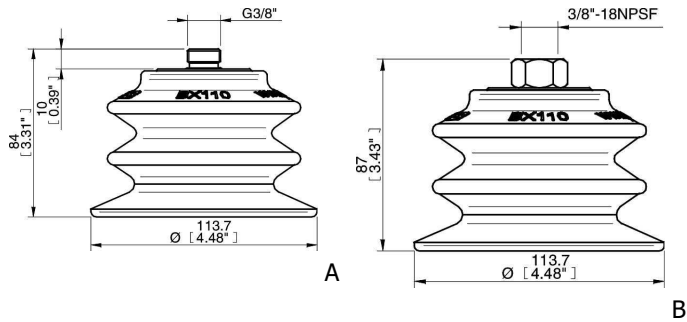
Material resistance

Wear resistance	Oil	Weather & ozone	Hydrolysis	Gasoline	Concentrated acids	Ethanol	Methanol	Oxidation
Excellent	Excellent	Excellent	Fair	Fair	Fair	Fair	Poor	Poor

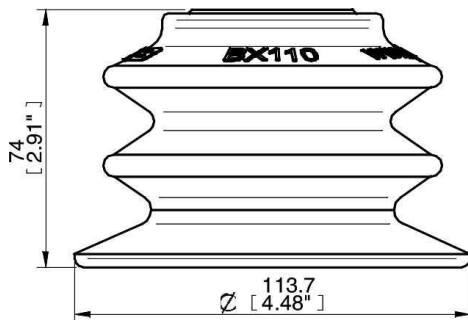
Spare Part	Material	Temperature range °F	Part No.
Suction cup filter BX110P, 10 pcs	Polyester/TPE	-40-194	02.01.004

Ordering information

Suction cups with fitting		Weight (oz)	Part No.
A	Suction cup BX110P Polyurethane 30/60 with filter, thread insert G3/8" male for Vacuum Gripper System (VGS)	8.11	BX110P.5K.G40W.F
A	Suction cup BX110P Polyurethane 60 with filter. thread insert G3/8" male for Vacuum Gripper System (VGS)	8.11	BX110P.5E.G40W.F
B	Suction cup BX110P Polyurethane 30/60 with filter, brass 3/8" NPSF female	9.81	BX110P.5K.N40W.F
B	Suction cup BX110P Polyurethane 60 with filter, brass 3/8" NPSF female	9.81	BX110P.5E.N40W.F



Rubber parts	Part No.
Suction cup BX110P Polyurethane 30/60 with filter, collar and thread insert for Vacuum Gripper System (VGS)	BX110P.5K.F
Suction cup BX110P Polyurethane 60 with filter and collar and thread insert for Vacuum Gripper System (VGS)	BX110P.5E.F



Fittings	Part No.
Thread insert G3/8" male, with O-ring for Vacuum Gripper System (VGS)	01.06.797