



BX35P

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	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	Max. vertical movement	Weight rubber part
	in	6 - inHg	18 - inHg	27 - inHg	6 -inHg	18 -inHg	27 -inHg		in	in	oz
PU30°/60°	1.46	2.70	4.50	6.29	2.70*	4.50*	6.29*	0.61	0.39	0.55	0.28
PU60°	1.46	3.37	5.62	6.74	4.95*	6.74*	8.09*	0.61	0.39	0.55	0.28

*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

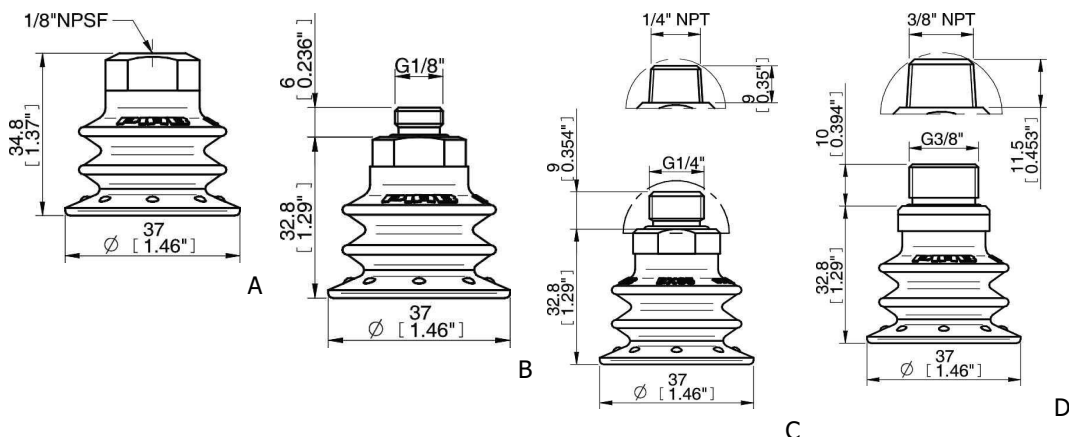
Material resistance

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 BX35P, 10 pcs	Polyester/TPE	-40-194	02.01.001

Ordering information

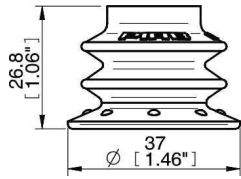
	Suction cups with fitting	Weight (oz)	Part No.
A	Suction cup BX35P Polyurethane 30/60 with filter, 1/8" NPSF female	0.49	BX35P.4K.04AA.F
A	Suction cup BX35P Polyurethane 30/60 with filter, 1/8" NPSF female, with dual flow control valve	0.49	BX35P.4K.04DA.F
A	Suction cup BX35P Polyurethane 30/60 with filter, 1/8" NPSF female, with mesh filter	0.49	BX35P.4K.04AG.F
B	Suction cup BX35P Polyurethane 30/60 with filter, G1/8" male, with mesh filter	0.46	BX35P.4K.04AI.F
C	Suction cup BX35P Polyurethane 30/60 with filter, G1/4" male, with mesh filter	0.53	BX35P.4K.04AB.F
C	Suction cup BX35P Polyurethane 30/60 with filter, G1/4" male, with dual flow control valve	0.53	BX35P.4K.04DB.F
C	Suction cup BX35P Polyurethane 30/60 with filter, 1/4" NPT male, with mesh filter	0.53	BX35P.4K.04AC.F
C	Suction cup BX35P Polyurethane 30/60 with filter, 1/4" NPT male, with dual flow control valve	0.53	BX35P.4K.04DC.F
D	Suction cup BX35P Polyurethane 30/60 with filter, G3/8" male, with mesh filter	0.63	BX35P.4K.04AD.F
D	Suction cup BX35P Polyurethane 30/60 with filter, G3/8" male, mesh filter, dual flow control valve	0.63	BX35P.4K.04DD.F
D	Suction cup BX35P Polyurethane 30/60 with filter, 3/8" NPT male, with mesh filter	0.63	BX35P.4K.04AE.F
D	Suction cup BX35P Polyurethane 30/60 with filter, 3/8" NPT male, with dual flow control valve	0.63	BX35P.4K.04DE.F
A	Suction cup BX35P Polyurethane 60 with filter, 1/8" NPSF female	0.49	BX35P.4E.04AA.F
A	Suction cup BX35P Polyurethane 60 with filter, 1/8" NPSF female. with mesh filter	0.49	BX35P.4E.04AG.F
A	Suction cup BX35P Polyurethane 60 with filter, 1/8" NPSF female, with dual flow control valve	0.49	BX35P.4E.04DA.F
B	Suction cup BX35P Polyurethane 60 with filter, G1/8" male, with mesh filter	0.46	BX35P.4E.04AI.F
C	Suction cup BX35P Polyurethane 60 with filter, G1/4" male, with mesh filter	0.53	BX35P.4E.04AB.F
C	Suction cup BX35P Polyurethane 60 with filter, G1/4" male, with dual flow control valve	0.53	BX35P.4E.04DB.F
C	Suction cup BX35P Polyurethane 60 with filter, 1/4" NPT male, with mesh filter	0.53	BX35P.4E.04AC.F
C	Suction cup BX35P Polyurethane 60 with filter, 1/4" NPT male, with dual flow control valve	0.53	BX35P.4E.04DC.F
D	Suction cup BX35P Polyurethane 60 with filter, G3/8" male, with mesh filter	0.63	BX35P.4E.04AD.F
D	Suction cup BX35P Polyurethane 60 with filter, G3/8" male, with mesh filter and dual flow control valve	0.63	BX35P.4E.04DD.F
D	Suction cup BX35P Polyurethane 60 with filter, 3/8" NPT male, with mesh filter	0.63	BX35P.4E.04AE.F
D	Suction cup BX35P Polyurethane 60 with filter, 3/8" NPT male, with dual flow control valve	0.63	BX35P.4E.04DE.F



Rubber parts

Part No.

Suction cup BX35P Polyurethane 30/60, with filter	BX35P.4K.F
Suction cup BX35P Polyurethane 60, with filter	BX35P.4E.F



Fittings	Part. No.
Fitting 1/8" NPSF female, 30–40	04AA
Fitting 1/8" NPSF female, 30–40, with mesh filter	04AG
Fitting 1/8" NPSF female, 30–40, with dual flow control valve	04DA
Fitting G1/8" male, 40, with mesh filter	04AI
Fitting G1/4" male, 30–40, with mesh filter	04AB
Fitting G1/4" male, 30–40, with dual flow control valve	04DB
Fitting 1/4" NPT male, with mesh filter	04AC
Fitting 1/4" NPT male, with dual flow control valve	04DC
Fitting G3/8" male, 30–40, with mesh filter	04AD
Fitting G3/8" male, 30–40, with dual flow control valve	04DD
Fitting 3/8" NPT male, with mesh filter	04AE
Fitting 3/8" NPT male, with dual flow control valve	04DE