

BX52P



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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	Weight rubber part oz
		6 - inHg	18 - inHg	27 - inHg	6 -inHg	18 -inHg	27 -inHg				
PU30°/60°	2.09	7.19	12.6	16.9	6.29*	9.89*	12.1*	1.83	1.26	0.75	0.85
PU60°	2.09	8.32	13.3	18.0	6.07*	11.0*	12.6*	1.83	1.26	0.75	0.85

*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

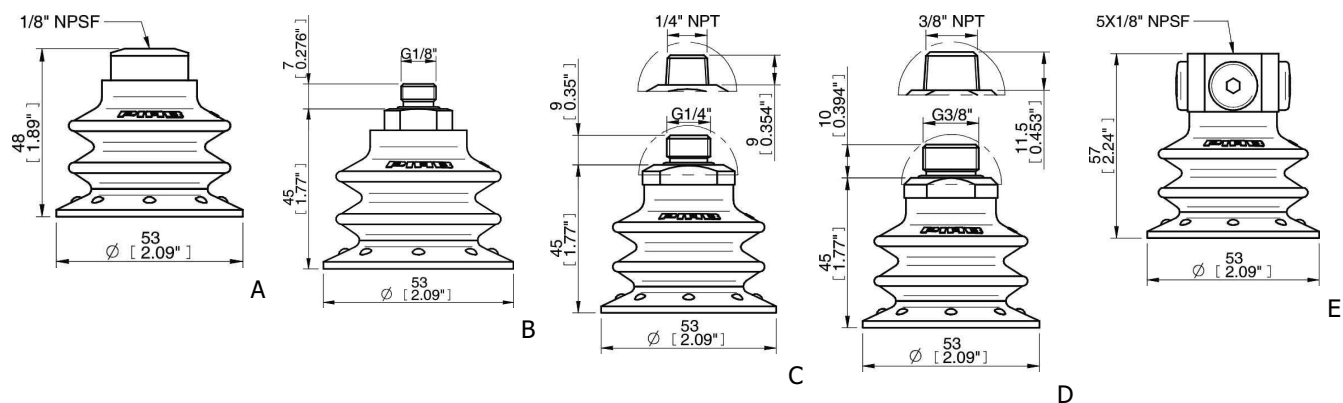
Material resistance

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

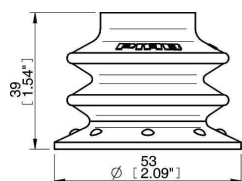
Spare Part	Material	Temperature range °F	Part No.
Suction cup filter BX52P, 10 pcs	Polyester/TPE	-40-194	02.01.002

Ordering information

	Suction cups with fitting	Weight (oz)	Part No.
A	Suction cup BX52P Polyurethane 30/60 with filter, 1/8" NPSF female	1.20	BX52P.4K.05AA.F
A	Suction cup BX52P Polyurethane 30/60 with filter, 1/8" NPSF female, with mesh filter	1.20	BX52P.4K.05AG.F
A	Suction cup BX52P Polyurethane 30/60 with filter, 1/8" NPSF female, with dual flow control valve	1.20	BX52P.4K.05DA.F
B	Suction cup BX52P Polyurethane 30/60 with filter, G1/8" male, with mesh filter	1.20	BX52P.4K.05AI.F
C	Suction cup BX52P Polyurethane 30/60 with filter, G1/4" male, with mesh filter	1.20	BX52P.4K.05AB.F
C	Suction cup BX52P Polyurethane 30/60 with filter, G1/4" male, with dual flow control valve	1.20	BX52P.4K.05DB.F
C	Suction cup BX52P Polyurethane 30/60 with filter, 1/4" NPT male, with mesh filter	1.20	BX52P.4K.05AC.F
D	Suction cup BX52P Polyurethane 30/60 with filter, G3/8" male, with mesh filter	1.20	BX52P.4K.05AD.F
D	Suction cup BX52P Polyurethane 30/60 with filter, G3/8" male, with dual flow control valve	1.20	BX52P.4K.05DD.F
D	Suction cup BX52P Polyurethane 30/60 with filter, 3/8" NPT male, with mesh filter	1.20	BX52P.4K.05AE.F
D	Suction cup BX52P Polyurethane 30/60 with filter, 3/8" NPT male, with dual flow control valve	1.20	BX52P.4K.05DE.F
E	Suction cup BX52P Polyurethane 30/60 with filter, 5x1/8" NPSF female	1.91	BX52P.4K.05AF.F
E	Suction cup BX52P Polyurethane 30/60 with filter, 5x1/8" NPSF female, with dual flow control valve	1.91	BX52P.4K.05DF.F
A	Suction cup BX52P Polyurethane 60 with filter, 1/8" NPSF female	1.20	BX52P.4E.05AA.F
A	Suction cup BX52P Polyurethane 60 with filter, 1/8" NPSF female, with mesh filter	1.20	BX52P.4E.05AG.F
B	Suction cup BX52P Polyurethane 60 with filter, G1/8" male, with mesh filter	1.20	BX52P.4E.05AI.F
C	Suction cup BX52P Polyurethane 60 with filter, G1/4" male, with mesh filter	1.20	BX52P.4E.05AB.F
C	Suction cup BX52P Polyurethane 60 with filter, G1/4" male, with dual flow control valve	1.20	BX52P.4E.05DB.F
C	Suction cup BX52P Polyurethane 60 with filter, 1/4" NPT male, with mesh filter	1.20	BX52P.4E.05AC.F
C	Suction cup BX52P Polyurethane 60 with filter, 1/4" NPT male, with dual flow control valve	1.20	BX52P.4E.05DC.F
D	Suction cup BX52P Polyurethane 60 with filter, G3/8" male, with mesh filter	1.20	BX52P.4E.05AD.F
D	Suction cup BX52P Polyurethane 60 with filter, G3/8" male, with dual flow control valve	1.20	BX52P.4E.05DD.F
D	Suction cup BX52P Polyurethane 60 with filter, 3/8" NPT male, with mesh filter	1.20	BX52P.4E.05AE.F
D	Suction cup BX52P Polyurethane 60 with filter, 3/8" NPT male, with dual flow control valve	1.20	BX52P.4E.05DE.F
E	Suction cup BX52P Polyurethane 60 with filter, 5x1/8" NPSF female	1.91	BX52P.4E.05AF.F
E	Suction cup BX52P Polyurethane 60 with filter, 5x1/8" NPSF female, with dual flow control valve	1.91	BX52P.4E.05DF.F



Rubber parts	Part No.
Suction cup BX52P Polyurethane 30/60, with filter	BX52P.4K.F
Suction cup BX52P Polyurethane 60, with filter	BX52P.4E.F



Description	Part No.
Fitting 1/8" NPSF female, 50	05AA
Fitting 1/8" NPSF female, 50, with mesh filter	05AG
Fitting 1/8" NPSF female, 50, with dual flow control valve	05DA
Fitting G1/8" male, 50, with mesh filter	05AI
Fitting G1/4" male, 50, with mesh filter	05AB
Fitting G1/4" male, with dual flow control valve	05DB
Fitting 1/4" NPT male, with mesh filter	05AC
Fitting 1/4" NPT male, with dual flow control valve	05DC
Fitting G3/8" male, 50, with mesh filter	05AD
Fitting G3/8" male, 50, with mesh filter and dual flow control valve	05DD
Fitting 3/8" NPT male, with mesh filter	05AE
Fitting 3/8" NPT male, with dual flow control valve	05DE
Fitting 5x1/8" NPSF female, 50	05AF
Fitting 5x1/8" NPSF female, 50, with dual flow control valve	05DF