

B40



B40

Suction cup with short bellows

- Suitable for level adjustment. Several short bellows in one lifting device can handle objects with height differences and varying shapes, for example embossed or corrugated plates.
- The lifting movement can be used to separate small and thin objects.
- Only lightweight objects should be handled when the lifting force is parallel to the surface of the object, in order to achieve good precision and safe lifting movement.



Lifting forces & Technical data

Outer Dia.	Lifting force vertical to the surface, lbf, at vacuum level			Lifting force parallel to the surface, lbf, at vacuum level			Volume	Min. curve radius	Max. vertical movement	Weight rubber part
	6 -inHg	18 -inHg	27 -inHg	6 -inHg	18 -inHg	27 -inHg				
in							in ³	in	in	oz
1.69	4.95	8.77	11.0	—	—	—	0.90	0.79	0.47	0.35

Material specifications

Material	Color	Hardness °Shore A	Temperature range °F
Chloroprene, CR	Black	60	-40–230
Silicone, SIL	Red	50	-40–392
HNBR	Grey-blue	75	-22–284*

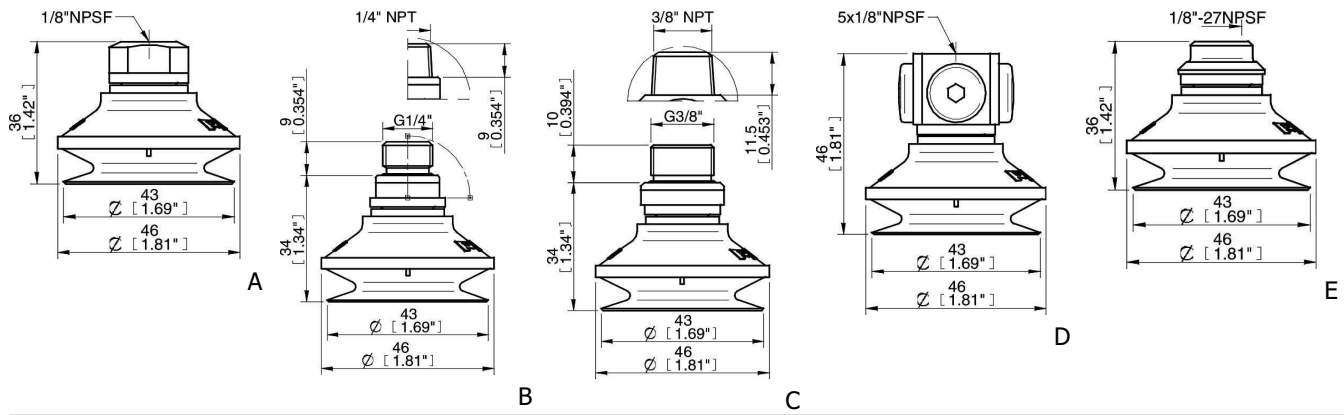
*For a shorter period of time up to 320°F.

Material resistance

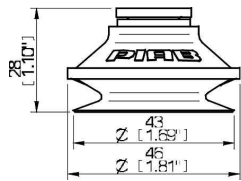
Material	Wear resistance	Oil	Weather & Ozone	Hydrolysis	Gasoline	Concentrated acids	Alcohol	Oxidation
Chloroprene, CR	Excellent	Fair	Good	Good	Fair	Poor	Good	Good
Silicone, SIL	Good	Poor	Excellent	Fair	Poor	Poor	Good	Excellent
HNBR	Excellent	Excellent	Excellent	Good	Excellent	Fair	Good	Excellent

Ordering information

Suction cups with fitting		Weight (oz)	Part No.
A	Suction cup B40 Chloroprene, 1/8" NPSF female	0.56	B40.10.04AA
A	Suction cup B40 Chloroprene, 1/8" NPSF female, with mesh filter	0.56	B40.10.04AG
A	Suction cup B40 Chloroprene, 1/8" NPSF female, with dual flow control valve	0.56	B40.10.04DA
B	Suction cup B40 Chloroprene, G1/4" male, with mesh filter	0.60	B40.10.04AB
B	Suction cup B40 Chloroprene, G1/4" male, with mesh filter and dual flow control valve	0.60	B40.10.04DB
B	Suction cup B40 Chloroprene, 1/4" NPT male, with mesh filter	0.60	B40.10.04AC
C	Suction cup B40 Chloroprene, G3/8" male, with mesh filter	0.70	B40.10.04AD
C	Suction cup B40 Chloroprene, 3/8" NPT male, with mesh filter	0.70	B40.10.04AE
C	Suction cup B40 Chloroprene, 3/8" NPT male, with dual flow control valve	0.70	B40.10.04DE
D	Suction cup B40 Chloroprene, 5x1/8" NPSF female	1.06	B40.10.04AF
A	Suction cup B40 Silicone, 1/8" NPSF female	0.56	B40.20.04AA
A	Suction cup B40 Silicone, 1/8" NPSF female, with mesh filter	0.56	B40.20.04AG
A	Suction cup B40 Silicone, 1/8" NPSF female, with dual flow control valve	0.56	B40.20.04DA
B	Suction cup B40 Silicone, G1/4" male, with mesh filter	0.60	B40.20.04AB
B	Suction cup B40 Silicone, G1/4" male, with mesh filter and dual flow control valve	0.60	B40.20.04DB
B	Suction cup B40 Silicone, 1/4" NPT male, with mesh filter	0.60	B40.20.04AC
C	Suction cup B40 Silicone, G3/8" male, with mesh filter	0.70	B40.20.04AD
C	Suction cup B40 Silicone, 3/8" NPT male, with mesh filter	0.70	B40.20.04AE
D	Suction cup B40 Silicone, 5x1/8" NPSF female	1.06	B40.20.04AF
A	Suction cup B40 HNBR, 1/8" NPSF female	0.56	B40.37.04AA
A	Suction cup B40 HNBR, 1/8" NPSF female, with mesh filter	0.56	B40.37.04AG
A	Suction cup B40 HNBR, 1/8" NPSF female, with dual flow control valve	0.56	B40.37.04DA
B	Suction cup B40 HNBR, G1/4" male, with mesh filter	0.60	B40.37.04AB
B	Suction cup B40 HNBR, G1/4" male, with dual flow control valve	0.60	B40.37.04DB
B	Suction cup B40 HNBR, 1/4" NPT male, with mesh filter	0.60	B40.37.04AC
B	Suction cup B40 HNBR, 1/4" NPT male, with dual flow control valve	0.60	B40.37.04DC
C	Suction cup B40 HNBR, G3/8" male, with mesh filter	0.70	B40.37.04AD
C	Suction cup B40 HNBR, G3/8" male, with dual flow control valve	0.70	B40.37.04DD
C	Suction cup B40 HNBR, 3/8" NPT male, with mesh filter	0.70	B40.37.04AE
C	Suction cup B40 HNBR, 3/8" NPT male, with dual flow control valve	0.70	B40.37.04DE
D	Suction cup B40 HNBR, 5x1/8" NPSF female	1.06	B40.37.04AF
D	Suction cup B40 HNBR, 5x1/8" NPSF female with dual flow control valve	1.06	B40.37.04DF
E	Suction cup B40 Chloroprene, 1/8" NPSF female, PA	0.43	B40.10.04CA
E	Suction cup B40 Silicone, 1/8" NPSF female PA	0.43	B40.20.04CA



Rubber parts	Part No.
Suction cup B40 Chloroprene	B40.10
Suction cup B40 Silicone	B40.20
Suction cup B40 HNBR	B40.37



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
Fitting 5x1/8" NPSF female, 30–40	04AF
Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve	04DF
Fitting 1/8" NPSF female, 30–40, PA	04CA