

BX35P



SUCTION CUP WITH 2½ BELLOWS

- ▶ Suitable for level adjustment and for uneven and porous surfaces such as cardboard, etc.
- ▶ In the two-coloured suction cup the bellows and the sealing lip are of different hardnesses, which makes the suction cup strong and stable and, at the same time, soft and flexible.
- ▶ DURAFLEX® suction cups manufactured in a specially developed material that features the elasticity of rubber and wear resistance of polyurethane.
- ▶ The material DURAFLEX® is mark free.

LIFTING FORCES & TECHNICAL DATA

Material	Lifting force vertical to the surface, N, at vacuum level			Lifting force parallel to the surface, N, at vacuum level			Volume cm ³	Min. curve radius mm	Max. vertical movement mm	Weight rubber part g
	20 -kPa	60 -kPa	90 -kPa	20 -kPa	60 -kPa	90 -kPa				
PU30°/60°	12.0	20.0	28	14.0*	27*	34*	10.0	10.0	14.0	8.0
PU60°	15.0	25	30	22.0*	30*	36*	10.0	10.0	14.0	8.0

*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	Colour	Hardness °Shore A	Temperature range °C
Polyurethane, PU30	Yellow transparent	30	10-50
Polyurethane, PU60	Green transparent	60	10-50

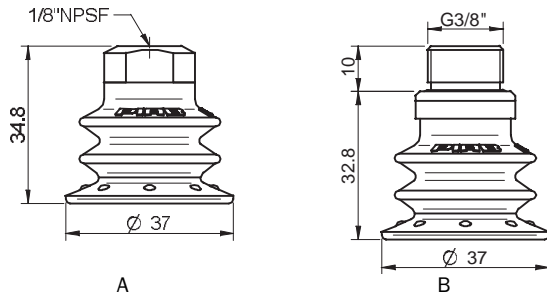
MATERIAL RESISTANCE

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

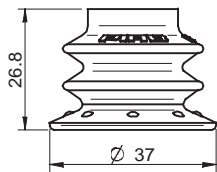
**Please contact PIAB.

ORDERING INFORMATION

Complete suction cups		Art. No.
A	Suction cup BX35P Polyurethane 30/60 with filter, 1/8" NPSF female	0106604
A	Suction cup BX35P Polyurethane 30/60 with filter, 1/8" NPSF female, with dual flow control valve	0106605
B	Suction cup BX35P Polyurethane 30/60 with filter, G3/8" male, with mesh filter	0107377
B	Suction cup BX35P Polyurethane 30/60 filter, G3/8" male, mesh filter, dual flow control valve	0107378
A	Suction cup BX35P Polyurethane 60 with filter, 1/8" NPSF female	0107561
A	Suction cup BX35P Polyurethane 60 with filter, 1/8" NPSF female, with dual flow control valve	0107562
B	Suction cup BX35P Polyurethane 60 with filter, G3/8" male, with mesh filter	0107379
B	Suction cup BX35P Polyurethane 60 with filter, G3/8" male, with mesh filter and dual flow control valve	0107380



Rubber parts		Art. No.
Suction cup BX35P Polyurethane 30/60, with filter		0106619
Suction cup BX35P Polyurethane 60, with filter		0107376
Suction cup BX35P, Polyurethane 30/60		0106292
Suction cup BX35P, Polyurethane 60		0107477



Fittings		Art. No.
Fitting 1/8" NPSF female, 30-40		3250005
Fitting 1/8" NPSF female, 30-40, with dual flow control valve		3251006
Fitting G3/8" male, 30-40, with mesh filter		3250086
Fitting G3/8" male, 30-40, with mesh and dual flow control valve		3251009

For further information and dimensioned drawings, see *SUCTION CUPS FITTINGS* chapter.

Spare Part	Material	Temperature range °C	Art. No.
Filter for BX35P	Polyester/TPE	-40-90	0106373

Suction cups
BX-P