

# Datasheet

## Suction cup B75 HNBR, 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.

Item number: B75.37.07UH



- 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.

### Technical data

Description	Unit	Value
Suction cup shape	-	Bellows
Application	-	Dry sheet metal, Glass handling, High/low temp cup, Plastic injection molded parts, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Glass handling, High/low temp cup , Plastic injection molded parts, Mark free
Material	-	HNBR
Weight, min.	oz	3.84
Suction cup model	-	B
Volume	in <sup>3</sup>	6.71
Height	in	1.78
Outer diameter, min.	in	3.071
Fitting size	-	1/4"
Fitting option	-	None
Fitting style	-	Female
Fitting type	-	NPT-thread
Suction cup model	-	B75
Movement, vertical max.	in	0.94
Curve radius, min.	in	1.57

### Performance - Lifting forces

B75	Vertical (lb)	Parallel (lb)
5.91 -inHg	16.64	14.028
17.72 -inHg	37.54	27.52
26.58 -inHg	50.81	34.64

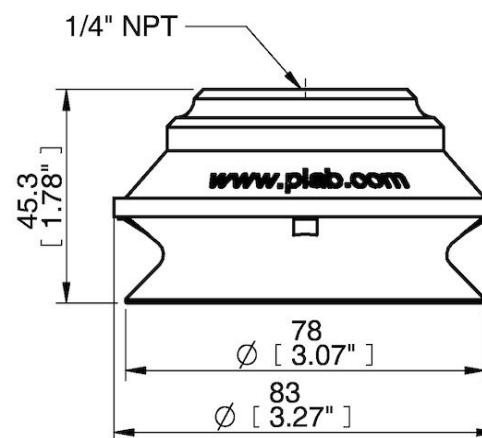
## Material

Name	HNBR 75° Shore A
Color	Blue/grey
Temperature, min.   °F	-22.0
Temperature max.   °F	284.0
Hardness   °Shore A	75

## Material resistance

Alcohol	Good
Concentrated acids	Fair
Ethanol	n/a
Hydrolysis	Good
Methanol	n/a
Oil	Excellent
Oxidation	Excellent
Gasoline	Excellent
Wear resistance	Excellent
Weather and ozone	Excellent

## Dimensional drawings



## Values specified in this data sheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

## Accessories

07NA | Fitting 75, 1/8" NPSF female, clamp ring with mesh filter  
07ND | Fitting 75, G3/8" female, clamp ring with mesh filter  
07NE | Fitting 75, 3/8" NPSF female, with mesh filter  
07NF | Fitting 75, G1/2" female, clamp ring with mesh filter  
07UA | Fitting 1/8" NPSF female AI, with mesh filter  
07UD | Fitting G1/2" female AI, with mesh filter  
B75.30.W | Suction cup B75 Nitrile-PVC with washer  
B75.20.W | Suction cup B75 Silicone with washer  
B75.37.W | Suction cup B75 HNBR with washer  
B75.30 | Suction cup B75 Nitrile-PVC  
B75.20 | Suction cup B75 Silicone

## Spare parts

07UH | Fitting 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.  
B75.37 | Suction cup B75 HNBR