

## Suction Cups

### HPE4

Corrugated suction cup at skirt edge

**HANWHA**



Plastic bag



Glass



Materials Deformability



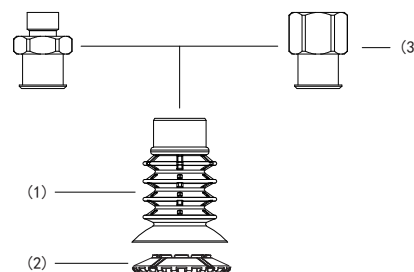
### Product characteristics

- \* Thin type, large vertebral degree, skirt corrugated suction cups with diverting blades
- \* Extremely soft and flexible hemline seal
- \* Body and corrugated reinforcement design
- \* Large size diameter increases vacuum flow
- \* Made of FDA-compliant silicone and fitted with suction retaining pads
- \* Built-in sucker fixed gasket (yellow)



### Product structure

- \* Corrugated sucker HPE4 with 4.5 fold (1) and soft, flexible seal lip with segmented flow vane and integrated bag stabilizer
- \* Very large shaft diameter for high volume flow
- \* Specially reinforced suction bellows for increased stability (2)
- \* Install by connecting element (3); Or connect directly to 3/8" - or 1/4" pipe on the machine side and install using hose clamps



### Product advantages

- \* It has extraordinary sealing properties on flexible workpieces such as grab bags
- \* Even under high-speed conditions, it can be reliably absorbed and abnormally stable;
- \* Can be used in the food industry in direct contact with food
- \* Suction cup fixing gasket
- \* Reliable absorption of ultra-thin PE and PP films up to 30µm
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\*HPE4 sucker carrying soft bag

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### HPE4 Ordering NO

HPE4	30	FG02	SI
1	2	3	4

1-Series		2-Diameter		3-Crew thread	
HPE4	Suction Cup	30	30mm	F Internal thread	G03-G3/8
		40	40mm		G02-G1/4
		50	50mm	M External thread	G03-G3/8
					G02-G1/4

#### 4-Material<sup>(1)</sup>

SI	Food grade silicone
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(1)Other materials can also be made, please contact us



### HPE4 Selection specification

Models	F-G03-G3/8	F-G02-G1/4	M-G03-G3/8	M-G02-G1/4
HPE4-30	◎	◎	◎	◎
HPE4-40	◎	◎	◎	◎
HPE4-50	◎		◎	◎



### HPE4 Technical Data

Models	SuctionN <sup>(2)</sup>		Pull-out forceN		Volume [cm <sup>3</sup> ]
	[-60kpa]		[-40kpa]		
HPE4-30	16.0		13		15.6
HPE4-40	25.0		23		35.7
HPE4-50	49.5		37		64.5

(2)Vacuum degree is -60KPa, the above data does not include the safety factor.  
Depending on the surface condition of the workpiece, the value may change.

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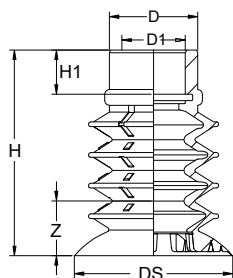
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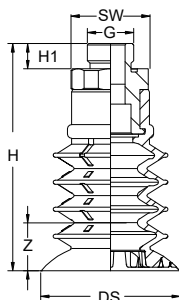
### HPE4-30~50 Design Data



Size[mm]<sup>(3)</sup>

Models	H	H1	D	D1	DS	Z	Weight[g]
HPE4-30	40	13	24	19.6	31.16	20	9
HPE4-40	52	13	31	24.8	40.16	27	18
HPE4-50	65	14	31	24.8	50.12	37	30

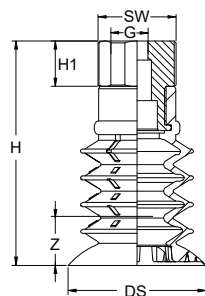
### HPE4-30~50 Dimension



Size[mm]<sup>(3)</sup>

Models	H	H1	G	DS	SW	Z	Weight[g]
HPE4-30-MG02	56.5	9	G1/4"	31.16	22	20	24
HPE4-30-MG03	56.5	9	G3/8"	31.16	22	20	25
HPE4-40-MG02	68.5	9	G1/4"	40.16	22	27	41
HPE4-40-MG03	68.5	9	G3/8"	40.16	22	27	40
HPE4-50-MG02	81.5	9	G1/4"	50.12	27	37	52
HPE4-50-MG03	81.5	9	G3/8"	50.12	27	37	54

### HPE4-30~50 External thread



Size[mm]<sup>(3)</sup>

Models	H	H1	G	DS	SW	Z	Weight[g]
HPE4-30-FG02	56.5	16.5	G1/4"	31.16	22	20	29
HPE4-30-FG03	56.5	16.5	G3/8"	31.16	22	20	26
HPE4-40-FG02	68.5	16.5	G1/4"	40.16	22	27	61
HPE4-40-FG03	68.5	16.5	G3/8"	40.16	22	27	53
HPE4-50-FG03	81.5	16.5	G3/8"	50.12	27	37	73

### HPE4-30~50 Internal thread

(3) Compliant with DIN ISO 3302-1 M3 rubber parts allowable dimensional tolerances. Z is the trip

