

Suction Cups

HFA

Special sucker for plastic film and paper

HANWHA



Package



Plastic bag

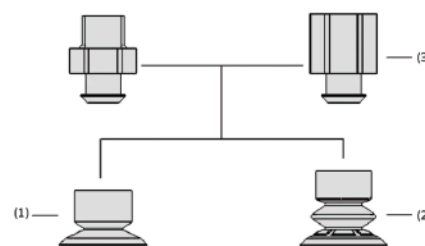
Product characteristics

- * Thin, large-angle, skirted corrugated suction cup with shunt blades
- * Extremely soft and flexible skirt seal
- * Body and corrugated reinforcement design
- * Large size increases vacuum flow
- * Made of FDA-compliant silicone and equipped with suction cup fixing pads
- * Built-in suction cup fixing gasket (yellow)



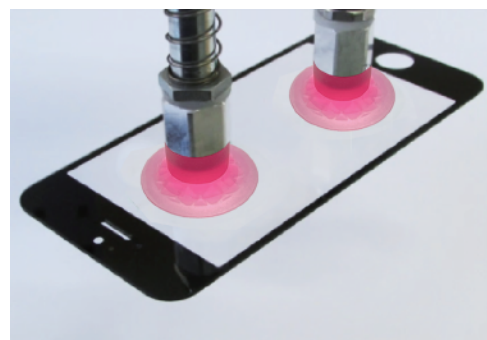
Product structure

- * Suction cups with thin and flexible sealing lips including flat suction cups HFA (1) or corrugated sucker HFA1.5 fold (2) and connecting elements (3)
- * The inner support surface has a honeycomb structure and excellent vacuum distribution
- * Suction area (+) from 10 mm to 40 mm



Product advantages

- * Balance the internal and external pressure of the vacuum gripper to quickly release the product
- * Energy saving effect when handling non-breathable workpieces
- * Any installation location, suitable for small spaces



*HFA transporting mobile phone screens

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HFA Ordering NO

HFA	10	FG01	SI
1	2	3	4

1-Series	2-Diameter	3-Screw thread
HFA	Suction Cup	
	10	F Internal thread
	15	G01-G1/8
	20	G02-G1/4
	25	M External thread
	30	M5
	40	G01-G1/8
		G02-G1/4

4-吸盘材质⁽¹⁾

SI	Silicone rubber
NBR	Nitrile rubber
NK	Natural rubber
HT1	High temperature material(blue)
HT2	High temperature material(black)
CR	Chloroprene rubber

(1)Other materials can also be made, please contact us



HFA Selection specification

Models	F-G01-G1/8	F-G02-G1/4	M-M5	M-G01-G1/8	M-G02-G1/4
HFA10			⊙		
HFA15	⊙			⊙	
HFA20	⊙			⊙	
HFA25	⊙			⊙	
HFA30	⊙			⊙	
HFA40		⊙			⊙



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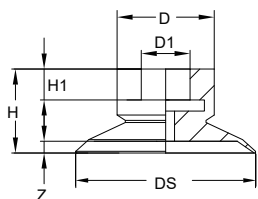
HFA Technical Data

Models	Inner volume		SuctionN ⁽²⁾ [-600mbar]
		[cm ³]	
HFA-10		0.25	2.70
HFA-15		0.6	6.6
HFA-20		0.8	11.6
HFA-25		1.2	18.5
HFA-30		1.7	26.9
HFA-40		4.3	48.6

(2)The surface of the workpiece is smooth and dry, and the 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.



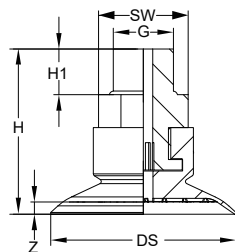
HFA 10~40 Design Data



Size[mm]⁽³⁾

Models	D	H	H1	DS	D1	Z	Weight [g]
HFA10	13	10.36	5	10	7.5	0.7	0.74
HFA15	13	12.5	5	15	7.5	1	1.16
HFA20	13	12.83	5	20	7.5	1.3	1.41
HFA25	13	13.16	5	25	7.5	1.7	1.98
HFA30	13	13.5	5	30	7.5	2	3.2
HFA40	21.9	18.9	7	40	11	2.7	6.69

HFA10~40 Dimension



Size[mm]⁽³⁾

Models	H	H1	G	DS	SW	Z	Weight [g]
HFA10-M5-M	20.1	4.7	M5	10	8	0.7	1.32
HFA15-MG01	26	7.5	G1/8"	15	14	1	5.36
HFA20-MG01	26.3	7.5	G1/8"	20	14	1.3	5.61
HFA25-MG01	26.7	7.5	G1/8"	25	14	1.7	6.18
HFA30-MG01	29.5	10	G1/8"	30	14	2	7.4
HFA40-MG02	36.2	10	G1/4"	40.6	14	2.7	17.1

HFA10~40 External thread



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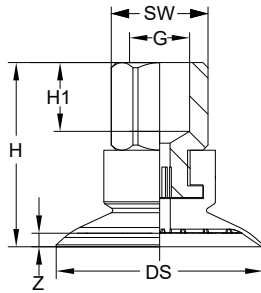
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Size[mm]⁽³⁾

Models	H	H1	G	DS	SW	Z	Weight [g]
HFA15-FG01	26.5	9	G1/8"	15	14	1	6.01
HFA20-FG01	26.8	9	G1/8"	20	14	1.3	6.26
HFA25-FG01	27.2	9	G1/8"	25	14	1.7	6.83
HFA30-FG01	30.8	12	G1/8"	30	14	2	8.05
HFA40-FG02	36.2	12	G1/4"	40	17	2.7	17.06

HFA15~40 Internal thread

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