

Suction Cups

HGX

Suction Cups for the Packaging Industry

HANWHA



Package



Plastic bag

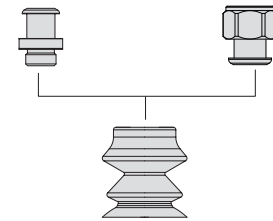
Product characteristics

- * Perfect for picking up fragile bags.
- * Thin lip for excellent sealing even at low vacuum.
- * Integrated suction cups secure and stable products in fast/semi-fast robotic applications.
- * Multi-bellows design compensates for height differences and uneven surfaces.
- * Silicone materials comply with FDA 21 CFR 177.2600 and EU 1935/2004.



Product structure

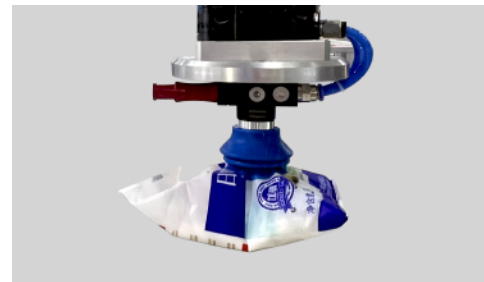
- * Suction cups with thin and flexible seal lip including flat suction cups HFA (1)
Or corrugated suction cup HFB1.5 fold (2)
And connecting elements (3)
- * The inner support surface has a honeycomb structure and very good vacuum distribution



Replace the sucker and the sucker connector

Product advantages

- * Balance the internal and external pressure of the vacuum grab, quickly release the product
- * Energy saving when handling non-permeable workpieces



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HGX Ordering NO

| | | | |
|-----|----|------|----|
| HGX | 35 | FG01 | SI |
| 1 | 2 | 3 | 4 |

| 1-Series | | 2-Diameter | | 3-Crew thread | |
|----------|-------------|------------|------|-------------------|----------|
| HGX | Suction Cup | 35 | 35mm | F Internal thread | G02-G1/4 |
| | | 42 | 42mm | M External thread | G01-G1/8 |
| | | 50 | 50mm | | G02-G1/4 |

| 4-Material ⁽¹⁾ | |
|---------------------------|-----------------|
| SI | Silicone rubber |

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

HGX Selection specification

| Models | F-G02-G1/4 | M-G02-G1/4 | M-G03-G3/8 |
|--------|------------|------------|------------|
| HGX35 | ◎ | ◎ | ◎ |
| HGX42 | ◎ | ◎ | ◎ |
| HGX50 | ◎ | ◎ | ◎ |

HGX Technical Data

| Models | Inner volume [cm ³] | Weight [g] | Number of folds |
|--------|------------------------------------|---------------|-----------------|
| HGX35 | 14.0 | 19 | 2.5 |
| HGX42 | 20.0 | 16 | 2.5 |
| HGX50 | 32.0 | 37 | 2.5 |

(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.

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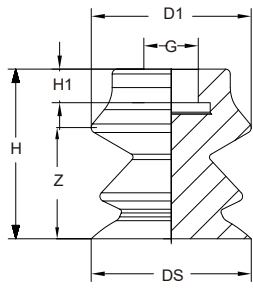
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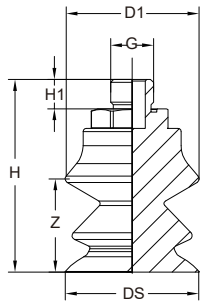
HGX35~50 Design Data



Size[mm]⁽²⁾

| Models | D1 | H | H1 | DS | D1 | Z | Weight[g] |
|--------|------|------|-----|------|------|------|-----------|
| HGX-35 | 34 | 38.9 | 8.7 | 33.8 | 34 | 23.7 | 10 |
| HGX-42 | 41 | 44 | 8.7 | 40.8 | 41 | 28.3 | 17.9 |
| HGX-50 | 48.6 | 52.5 | 8.7 | 48.5 | 48.6 | 34.9 | 25.32 |

HGX35~50 Dimension



Size[mm]⁽²⁾

| Models | D1 | H | H1 | G | DS | Z | Weight[g] |
|-------------|------|------|----|-------|------|------|-----------|
| HGX-35-MG02 | 34 | 53.8 | 9 | G1/4" | 33.8 | 23.7 | 24.11 |
| HGX-35-MG03 | 34 | 54.8 | 10 | G3/8" | 33.8 | 23.7 | 26.50 |
| HGX-42-MG02 | 41 | 59 | 9 | G1/4" | 40.8 | 28.3 | 30.82 |
| HGX-42-MG03 | 41 | 59 | 10 | G3/8" | 40.8 | 28.3 | 32.82 |
| HGX-50-MG02 | 48.6 | 67.5 | 9 | G1/4" | 48.5 | 34.9 | 38.95 |
| HGX-50-MG03 | 48.6 | 67.5 | 10 | G3/8" | 48.5 | 34.9 | 40.02 |

HGX35~50 External thread

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

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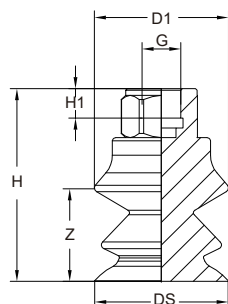
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Size[mm]⁽²⁾

| Models | H | H1 | G | DS | Z | Weight[g] |
|-------------|------|----|-------|------|------|-----------|
| HGX-35-FG02 | 53.8 | 12 | G1/4" | 33.8 | 23.7 | 24.11 |
| HGX-42-FG02 | 59 | 9 | G1/4" | 40.8 | 29.3 | 30.82 |
| HGX-50-FG02 | 67.4 | 12 | G1/4" | 48.5 | 34.9 | 38.95 |

HGX35~50 Internal thread

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