

Suction Cups

HSXA

Flat suction cups for packaging industry

HANWHA



Packaging



Long life

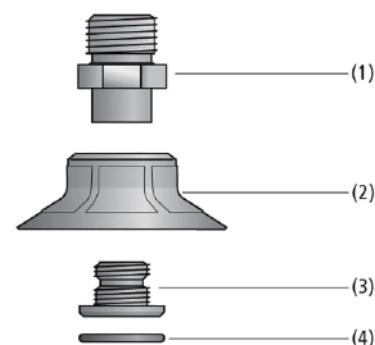
Product characteristics

- * The adaptable seal lip provides the best seal for cardboard boxes and hard packaging
- * High intrinsic stability of suction cups during dynamic processes
- * Maximum effective diameter is achieved due to the high suction of the support ribs on the suction area
- * Elastomer HX material minimizes wear (approximately 3 times longer service life than NBR)



Product structure

- * Round flat suction cups HSXA (2) with soft, flexible sealing lip and suction surface support studs made of wear-resistant elastomer HX
- * Models up to 30 mm in diameter have plug-in connection elements for quick replacement of suckers
- * Diameter from 40 mm, with 2-piece connection element: consisting of machine side assembly (1) and suction side assembly (3)
- * Clamp filter (4) as pre-filter (filter diameter 250 μm)
- * All external threaded connection elements are equipped with an integrated seal on the fastening thread



Product advantages

- * Bottom with support filter structure
- * Complete size specifications
- * Handling thin-walled workpieces will not cause permanent deformation
- * Suitable for various sizes and shapes of workpieces



*Examples of packaged workpieces handled by HSXA suction cups

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HSXA Ordering NO

HSXA	20	FG01	HX
1	2	3	4

1-Series		2-Diameter		3-Screw thread	
HSXA	1.5 Folding cups	20~60	φ20~60mm	F Internal thread	G01-G1/8
					G02-G1/4
				M External thread	G01-G1/8
					G02-G1/4
4-Material ⁽¹⁾					
HX	High performance				

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



HSXA Models Selection

Models	F-G01-G1/8	M-G01-G1/8	F-G02-G1/4	M-G02-G1/4
HSXA-20	◎	◎		
HSXA-25	◎	◎		
HSXA-30	◎	◎		
HSXA-40			◎	◎
HSXA-50			◎	◎
HSXA-60			◎	◎



HSXA Technical Data

Models	Suction [N] ⁽²⁾	Lateral force [N] ⁽²⁾	Curve radius [mm]	Inner volume [cm ³]
HSXA-20	16.0	10.5	20	1.2
HSXA-25	22.7	17.0	30	1.7
HSXA-30	29.5	22.5	35	2.6
HSXA-40	49.5	25.0	70	5.0
HSXA-50	74.2	44.0	75	8.0
HSXA-60	107.0	65.0	75	12.7

(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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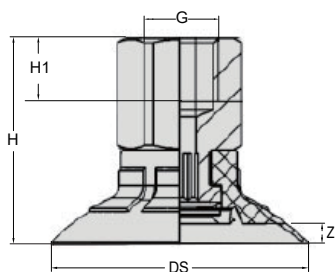
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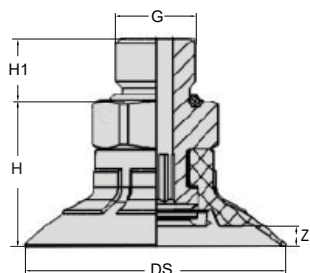
HSXA Design Data



Size[mm]⁽³⁾

Models	H	H1	G	DS	SW	Z	Weight [g]
HSXA-20-FG01	25	8	G1/8"	21.4	SW14	2.0	7
HSXA-25-FG01	25	8	G1/8"	26.4	SW14	2.0	7
HSXA-30-FG01	26	8	G1/8"	31.4	SW14	2.5	8
HSXA-40-FG02	33	12	G1/4"	41.4	SW17	2.5	19
HSXA-50-FG02	34	12	G1/4"	51.4	SW17	3.5	20
HSXA-60-FG02	36	12	G1/4"	61.2	SW17	5.1	23

HSXA20-60 Internal thread



Size[mm]⁽³⁾

Models	H	H1	G	DS	SW	Z	Weight [g]
HSXB-20-MG01	17	7.5	G1/8"	21.4	SW14	2.0	6
HSXB-25-MG01	17	7.5	G1/8"	26.4	SW14	2.0	6
HSXB-30-MG01	18	7.5	G1/8"	31.4	SW14	2.5	7
HSXB-40-MG02	23	10.0	G1/4"	41.4	SW17	2.5	18
HSXB-50-MG02	24	10.0	G1/4"	51.4	SW17	3.5	19
HSXB-60-MG02	26	10.0	G1/4"	61.2	SW17	5.1	22

HSXA20-60 External thread

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