

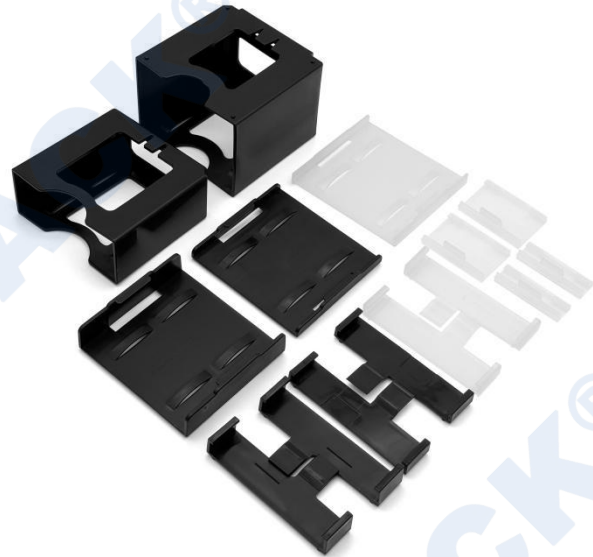
Hiner-pack® 4-inch Waffle Pack / Chip Tray Catalog

Designed for safe handling, storage, and transport of bare die, discrete devices, and small semiconductor components across manufacturing and test

Hiner-pack Waffle Pack/Chip Trays are purpose-built for safe handling of semiconductor dice, chips, and miniature devices. To streamline operations and align with user preferences, the trays can be molded in several colors beyond the standard black. Visual coding supports fast line identification, simplifies stock segregation, and improves workflow in automated systems. Every tray is engineered for smooth interface with robotic pickers, inspection cameras, and other packaging automation, ensuring stable performance across manufacturing stages.

FEATURES & BENEFITS

- Optimized Pocket Geometry – Secures devices and minimizes displacement during loading and handling
- Automation Integration – Fully compatible with back-end test, sorting, and vision systems, enhancing yield and throughput
- Rigid Low-Warp Base – Stable structure ensures flatness for multi-tray stacking and long-distance shipping
- Comprehensive ESD Control – Available in static-dissipative or conductive formulations
- Streamlined Workflow – Standardized dimensions fit common packing and shipping containers
- Secure Cover & Clip Integration – Lid and clip maintain tight closure, preventing die migration
- Color Coding Options – Multiple color choices simplify lot tracking and line management



WAFFLE PACK/CHIP TRAY ACCESSORIES

Part Number	Tray Size & Funtion	Style	Capacity	Material	Outline Size (mm)
HN25103-A	4" Clip/Clamp	1 Piece Clip	1+1	PP	102.67×100.59×6.5
HN25103-B	4" Clip/Clamp	1 Piece Clip	1+1	PP	102.67×100.59×7.2
HN25103-C	4" Clip/Clamp	1 Piece Clip	1+1	PP	102.67×100.59×8
HN25109	4" Clip/Clamp	1 Piece Clip	1+5	PP	108.84X100.59X27.1
HN24151#28722	4" Clip/Clamp	2 Pieces Clip	1+1	PP	58×20.1×19.42
HN24151#28723	4" Clip/Clamp	2 Pieces Clip	1+5	PP	58×25.7×19.42
HN2039	4" Clip/Clamp	2 Pieces Clip	1+1	PP	106.88×50.8×13.69
HN2075	4" Clip/Clamp	2 Pieces Clip	1+2	PP	106.68×50.8×19.81
HN1957	4" Cover/Lid	/	N/A	ABS/PC	101.6×101.6×4.5
HN22070	4" Cover/Lid	/	N/A	ABS/PC	101.6×101.6×8

* 1+1: one cover/lid + one tray; 1+5: one cover/lid + five tray; 1+2: one cover/lid + two tray.

SPECIFICATIONS

NO.	Part Number	Outline Size (mm)	Pocket Size (mm)	Matrix
1	HN949	101.6×101.6×4.5	7.5×5.95×0.21	10×9=90
2	HN954	101.6×101.6×4.5	5.6×4.6×0.21	10×120=120
3	HN956-A	101.6×101.6×4.5	14×4×0.32	16×5=90
4	HN956-B	101.6×101.6×4.5	14×1.2×0.32	30×5=150
5	HN957	101.6×101.6×4.5	(LID/COVER)	N/A
6	HN959	101.5×101.5×8	14.9×14.9×3.5	5×5=25
7	HN963	101.6×101.6×7.9	8.38×6.65×1.3	8×8=64
8	HN970	101.6×101.6×7.6	19.8×1.15×0.2	27×3=81
9	HN992	101.6×101.6×11	/	9×8=48
10	HN999	101.6×101.6×4.5	16.2×4.3×0.125	15×5=75
11	HN9107-A	101.6×101.6×4.5	14.0×1.0×0.125	35×6=210
12	HN9108-B	101.6×101.6×4.5	13.2×0.8×0.32	31×4=124
13	HN0001	101.5×101.5×8	15.8×15.8×2.6	5×5=25
14	HN007-A	101.6×101.6×8.13	41×41×1.2	2×2=4

15	HN008-B	101.6×101.6×8.13	34.4×34.4×1.2	2×2=4
16	HN009	101.6×101.6×5.0	3.7×2.4×1.45	18×21=378
17	BJ6	101.6×101.6×8	9.6×8.6×1.5	7×7=49
18	HN033-A	101.6×101.6×4.5	13×3×0.1	6×19=114
19	HN034-B	101.6×101.6×4.5	13×4.5×0.1	6×14=84
20	HN038	101.6×101.6×8	4.78×4.28×1.3	13×13=169
21	HN039	101.6×25.4×13.3	101.6×25.4×7.17	/
22	HN041	101.6×101.6×8.13	30.7×22.7×1.2	2×3=6
23	HN046	101.6×101.6×4.5	3×4.5×(0.3-0.5)	16×20=320
24	HN052	101.6×101.6×10	/	4×5=20
25	HN099-A	101.5×101.5×5.6	3.5×6.6×2.5	10×16=160
26	HN099-B	101.5×101.5×4.8	(MATCH COVER)	N/A
27	HN1001	101.8×101.6×5	2.07×3.07×2.5	20×16=320
28	HN1003	101.55×101.55×8	6.6×4.3×1.6-81	9×9=81
29	HN1012	101.57×101.57×3/101.57×101.57×3	3.2×3.2×1/4.7×4.7×1	20×20=400+15×15=225
30	HN1013	101.57×101.57×3/101.57×101.57×3	6.7×6.7×1/8.7×8.7×1	11×11=121+9×9=81
31	HN1014	101.57×101.57×3/101.57×101.57×3	10.7×10.7×1/13.2×13.2×1	7×7=49+6×6=36
32	HN1016	101.51×101.51×6.2	/	9×7=63
33	HN1017-A	101.6×101.6×4.5	12.2×1.7×0.32	25×5=125
34	HN1017-B	101.6×101.6×4.5	12.2×1.4×0.32	28×5=140
35	HN1018-A	101.6×101.6×4.5	13.2×1.7×0.32	25×5=125
36	HN1018-B	101.6×101.6×4.5	13.2×1.4×0.32	28×5=140
37	HN1019	101.6×101.6×4.5	15.98×5.4×0.32	12×4=48
38	HN1025	101.6×101.6×8	6.3×5.3×1.4	9×9=81
39	HN1032	101.6×101.6×4.5	36×13.5/33.13.5/7.6×6.7×0.12	1×4×3=12
40	HN1037	101.6×101.6×5	15×0.5×0.16	25×5=125
41	HN1044	101.6×101.6×7	4.4×2.5×1.1	9×9=81
42	HN1046	101.6×101.6×9.7	90.3×90.3×5.6	/
43	HN1055	101.6×101.6×5.5	2.85×2.05×1.92	16×20=320
44	HN1056-1	101.6×101.6×5.4	2.67×2.67×1.74	18×18=324
45	HN1056-2	101.6×101.6×5.2	3.67×2.79×1.54	18×18=324

46	HN1058	101.4×101.4×5.5	7.3×11×0.65	10×7=70
47	HN1064	101.6×101.6×4.5	2.4×2.4×0.45	20×20=400
48	HN1066	101.6×101.6×5.5	16.5×7×2.15	10×5=50
49	HN1067	101.6×101.6×5.5	3.3×7.4×1.5	17×9-3=150
50	HN1067	101.6×101.6×5.5	6×2.72×1.5	15×10=150
51	HN1068	101.6×101.6×8	5.69×4.28×1.3	11×13=143
52	HN1069	101.6×101.6×4.5	/	/
53	HN1076	101.6×101.6×4.5	14×3.32×0.3	17×4=68
54	HN1077	101.6×101.6×4.5	13.2×1.2×0.32	26×5=130
55	HN1084	101.6×101.6×4.5	13.2×0.8×0.32	34×5=170
56	HN1094	101.6×101.6×5.5	3.2×4.2×1.78	10×10=100
57	HN1097	101.6×101.6×9	4.35×5.45×2.5	10×14=100
58	HN1104-A	101.6×101.6×4.5	8.8×10.1×0.9	7×8=56
59	HN1104-B	101.6×101.6×4.5	13.02×11.04×0.9	6×7=42
60	HN1105-A	101.6×101.6×4.5	14.68×11.79×0.9	5×6=30
61	HN1105-B	101.6×101.6×4.5	3.1×4.9×0.9	12×17=204
62	HN1114	101.57×101.57×5.5	4.7×11×1.8	13×7-1=90
63	HN1120-A	101.57×101.57×5.5	2.9×6×1.29	10×15=150
64	HN1121-B	101.57×101.57×5.5	9.58×7.43×2.38	10×8=80
65	HN1128	101.6×101.6×7.9	5.2×6.2×2.5	9×9=81
66	HN1129	101.6×101.6×8	6.3×3.2×2.0	10×15=150
67	HN2005	101.6×101.6×5.5	12.7×5.5×1.53	12×6=72
68	HN2006	101.6×101.6×4.5	16.2×3×0.3	17×4=68
69	HN2013	101.6×101.6×5.5	12.65×7.65×1.43	9×6=54
70	HN2015	101.6×101.6×9	14.8×7.8×1.2	5×8=40
71	HN2023	101.6×101.6×5.5	2.6×5.5×1.6	20×12=240
72	HN2025	101.6×101.6×5.5	1.45×2.85×0.88	36×18=648
73	HN2046-A	101.5×101.5×8	8.2×3.6	6×9=54
74	HN2047-B	101.5×101.5×8	9×9	6×6=36
75	HN2055	101.6×101.6×5.5	2.82×6.1×1.89	15×10=150
76	HN2058	101.6×101.6×4.5	4.1×4.3×0.9	15×15=225

77	HN2066	101.6×101.6×5.5	10.1×2.3×1.46	22×7=154
78	HN2067	101.6×101.6×9	6.85×8.0×1.9	5×8=40
79	HN2069-A	101.6×101.6×7	LID/COVER	6×5=30
80	HN2070-B	101.6×101.6×7	BASE	6×5=30
81	HN2070-A	101.6×101.6×8	(NEW LID/COVER)	N/A
82	HN2071-B	101.6×101.6×7.1	BOTTOM	31×5=155
83	HN2077	101.6×101.6×5	0.6×2.6×0.5	22×45=990
84	HN2095	101.6×101.6×4.5	8.7×6.75×1.1	8×10=80
85	HN2106	101.6×101.6×4.5	3.2×4×1.05	15×17=255
86	HN2108	101.6×101.6×4.5	4.6×5×1.3	13×13=169
87	HN2109	101.6×101.6×4.5	3.8×7×1	10×15=150
88	HN2110	101.6×101.6×4.5	11.4×4.15×1.4	6×15=90
89	HN2119	101.6×101.6×4.5	7.4×10×1.2	7×9=63
90	HN2136	101.57×101.57×5.5	10.3×10.3×1.9	7×7-4=45
91	HN2156	101.6×101.6×5	2.3×3×1	20×16=320
92	HN2157	101.57×101.57×5.5	4.2×5.3×2	10×10=100
93	HN2158	101.57×101.57×5.5	7.2×12.9×1.63	6×9=54
94	HN2159	101.57×101.57×5.5	2.7×6.6×1.1	10×19=190
95	HN2168	101.57×101.57×8	6.15×12.62×3.25	6×11=66
96	HN2174	101.6×101.6×9	7.5×9.25×0.7	8×10=80
97	HN3011	101.6×101.6×4.5	7×4.2×1.1	5×30=150
98	HN3016	101.57×101.57×5.5	7.05×2.9×1.07	10×18=180
99	HN3017	101.57×101.57×5.5	7.4×3.3×1.5	8×16=128
100	HN3018	101.6×101.6×8	4.8×2.8×1.1	9×9=81
101	HN3019	101.6×101.6×8	6.64×2.95×1.1	9×9=81
102	HN3032	101.58×101.58×4.5	35.3×13.1/30.3×13.1/6.3×5.05-(D0.32)	5+3+4=12
103	HN3033	101.6×101.6×8/101.6×101.6×7.11	5.95×4.7×1.3	11×13=143
104	HN3043	101.57×101.57×5.5	5.3×5.3×1.9	12×12-4=140
105	HN3047	101.6×101.6×10.5	/	5×7=35
106	HN3048	101.6×101.6×5.6	14×5.2×0.32	12×5-3=57
107	HN3052	101.6×101.6×8.16	4.2×6.3×2.4	10×14=140

108	HN3064	101.57×101.57×5.5	7.2×4.75×1.5	10×14=140
109	HN3065	101.57×101.57×5.5	5.05×2.3×1.46	13×22=286
110	HN3075	101.6×101.6×4.5	24.2×2.7×0.5	20×3=60
111	HN3077	101.6×101.6×5	3.5×5.45×0.83	12×16=192
112	HN3095	101.57×101.57×5.5	6×6.7×0.76	10×10=100
113	HN3096	101.57×101.57×5.5	10.2×18×1.99	4×7=28
114	HN3098	101.6×101.6×6	33×6.3×2.1	2×10=20
115	HN3105	101.57×101.57×5.5	8×8×1.6	4×8=32
116	HN3115	101.6×101.6×5	2.1×0.6×0.5	25×45=1125
117	HN3130	101.6×101.6×7	15.7×22.9×2.26	3×4=12
118	HN3141	101.6×101.6×4.5	12.6×7.3×1.1	6×9=54
119	HN3145	101.5×101.5×8	8.8×9.2×2.5	6×6=36
120	HN3147	101.6×101.6×4.57	4.01×5.75×1.6	11×14=154
121	HN3148	101.57×101.57×4.5	14.2×14.2×1	5×5=25
122	HN3149	101.57×101.57×4.5	12.4×18.7×1	4×6=24
123	HN3152	101.6×101.6×4.5	15.7×6.85×1.45	5×10=50
124	HN3177-A	101.6×101.6×5.6	13.35×5.4×0.1	5×12-3=57
125	HN3177-B	101.6×101.6×5.6	13.35×35.4×0.1/13.35×32.4×0.1	4+5=9
126	HN3179	101.6×101.6×10	16.5×16.5×4.65	4×4=16
127	HN4014	101.6×101.6×5.6	7.35×4.55×2.26	8×10=80
128	HN4015	101.6×101.6×5.6	7×1.75×1.57	8×16=128
129	HN4016	101.6×101.6×4.8	7×1.75×1.57	8×16=128
130	HN4059	101.6×101.6×5.5	3.2×6.2×0.9	11×18=198
131	HN4072	101.57×101.57×5.5	2.6×1.22×0.8	19×26=494
132	HN4087	101.57×101.57×5.5	3.6×1.4×1.1	16×26=416
133	HN4097	101.6×101.6×5.6	13×1.35×0.1	5×20=100
134	HN4102	101.6×101.6×5.6	13.35×48.6×0.1	2+5=7
135	HN4113	101.57×101.57×5.5	3.6×1.4×1.1	16×26=416
136	HN4121	101.6×101.6×8.0	5.95×4.7×1.3	11×13=143
137	HN4122	101.57×101.57×5.5	3.92×3.02×1.10	15×18=270
138	HN4143	101.57×101.57×5.5	10×3.3×1.17	15×7=105

139	HN4147	101.6×101.6×8.0	7.3×7.3×1.4	9×9=81
140	HN4183	101.6×101.6×6.0	36.2×6.45×2.05	2×10=20
141	HN4189	101.6×101.6×8.0	8.8×4.8×1.65	6×9=54
142	HN4215	101.6×101.6×5.51	2.9×6×1.29	10×15=150
143	HN4217	101.6×101.6×5.50	14.5×6.0×2.79	5×10=50
144	HN4218	101.6×101.6×5.50	10.0×6.05×2.2	7×10=70
145	HN4231	101.6×101.6×4.50	2.1×0.7×0.55	11×15=165
146	HN4232	101.6×101.6×5.8	3.63×8.63×1.5	15×9=135
147	HN4236	101.6×101.6×5.00	1.96×1.38×0.45	30×30=900
148	HN5022	101.6×101.6×8.00	10.82×2.34×1.09	6×19=114
149	HN5027	101.6×101.6×4.5	4.4×4.8×1.13	13×13=169
150	HN5030	101.6×101.6×4.50	2.3×1.15×0.75	11×15=165
151	HN5031	101.6×101.6×4.50	1.9×1.15×0.75	11×15=165
152	HN5064	101.6×101.6×6	5.7×4.2×2.25	11×13=143
153	HN5092	101.6×101.6×5.0	3.1×3.1×1.14	16×16=256
154	HN5094	101.6×101.6×5.1	5.1×2.8×1.07	12×17=204
155	HN5099	101.57×101.57×5.5	5.8×6.4×1.23	10×11=110
156	HN5104	101.6×101.6×5.1	6.95×4.7×1.45	10×13=130
157	HN5118	101.6×101.6×5.1	6.35×3.0×1.2	10×17=170
158	HN5126	101.6×101.6×5.6	13.1×33.9×0.32	5×2-1=9
159	HN5131	101.6×101.6×5.1	7×12.2×1.8	6×10=60
160	HN5133	101.6×101.6×7.11	/	/
161	HN5135	101.7×101.7×8	17.6×35.3×0.1	2×4=8
162	HN5141	101.6×101.6×5.5	11.7×15.5×1.9	5×6=30
163	HN5142	101.6×101.6×5.5	11×4.3×1.67	14×7=98
164	HN5143	101.6×101.6×5.5	22×13.5×1.74	5×3=15
165	HN5151	101.6×101.6×5.1	6.95×4.7×1.45	10×13=130

* The above information is for reference only and does not cover all specifications.

* For more customization needs, please contact our team. We offer one-stop packaging solutions for your products.

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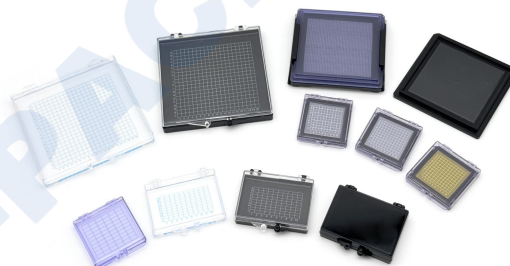
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