

## RoofDek perforated HLT Liner Tray

S320 steel. Interior liner finish

## Structural roof support

The load table assumes a roof application with narrow flange up; it applies to uniformly distributed load only.

Bearing width assumed to be a minimum of 100mm.

### HLT 90/600 perforated



### HLT 130/600 perforated



### HLT 145/600 perforated



### Safe Loads (kN/m<sup>2</sup>)

Imposed load - deflection limit span / 200\*

		Span Condition	SPAN (metres)																
			3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00
HLT90/600 perforated	0.75mm	Imposed	Single	1.66	1.40	1.19	1.02	-	-	-	-	-	-	-	-	-	-	-	-
		Double	1.29	1.09	0.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Suction	Single	1.70	1.46	1.26	1.11	-	-	-	-	-	-	-	-	-	-	-	-	-
		Double	1.60	1.42	1.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1.00mm	Imposed	Single	2.59	1.99	1.57	1.26	1.01	-	-	-	-	-	-	-	-	-	-	-
		Double	2.36	2.00	1.71	1.48	1.29	1.13	1.00	-	-	-	-	-	-	-	-	-	-
Suction	Single	2.68	2.29	1.98	1.74	1.53	-	-	-	-	-	-	-	-	-	-	-	-	
	Double	2.69	2.35	2.08	1.85	1.66	1.49	1.35	-	-	-	-	-	-	-	-	-	-	
HLT130/600 perforated	0.75mm	Imposed	Single	3.27	2.52	1.99	1.59	1.29	1.04	-	-	-	-	-	-	-	-	-	-
		Double	2.97	2.52	2.16	1.87	1.63	1.43	1.27	1.13	1.01	-	-	-	-	-	-	-	-
	Suction	Single	3.38	2.90	2.51	2.19	1.94	1.73	-	-	-	-	-	-	-	-	-	-	-
		Double	3.40	2.97	2.62	2.34	2.09	1.89	1.71	1.56	1.43	-	-	-	-	-	-	-	-
	1.00mm	Imposed	Single	2.47	2.27	2.07	1.79	1.56	1.37	1.21	1.07	0.96	-	-	-	-	-	-	-
		Double	1.96	1.72	1.52	1.36	1.21	1.09	0.99	-	-	-	-	-	-	-	-	-	-
Suction	Single	2.29	2.12	1.97	1.81	1.59	1.42	1.27	1.14	1.04	-	-	-	-	-	-	-	-	
	Double	2.09	1.87	1.69	1.54	1.41	1.30	1.20	-	-	-	-	-	-	-	-	-	-	
HLT145/600 perforated	0.75mm	Imposed	Single	4.41	3.73	3.19	2.75	2.40	2.11	1.87	1.66	1.48	1.33	1.14	0.98	-	-	-	-
		Double	3.40	2.98	2.64	2.33	2.09	1.88	1.70	1.54	1.40	1.28	1.16	1.05	0.96	-	-	-	-
	Suction	Single	3.83	3.54	3.29	2.87	2.53	2.25	2.01	1.81	1.64	1.50	1.37	1.26	-	-	-	-	-
		Double	3.44	3.06	2.73	2.46	2.24	2.04	1.87	1.72	1.58	1.46	1.34	1.23	1.13	-	-	-	-
	1.00mm	Imposed	Single	5.56	4.70	4.03	3.48	3.03	2.66	2.35	2.09	1.87	1.68	1.44	1.24	1.07	0.93	-	-
		Double	4.30	3.76	3.32	2.95	2.64	2.37	2.14	1.94	1.77	1.61	1.47	1.33	1.21	1.10	1.01	0.92	-
Suction	Single	4.82	4.47	4.14	3.62	3.19	2.84	2.54	2.29	2.07	1.89	1.73	1.59	1.47	1.36	-	-	-	
	Double	4.34	3.85	3.45	3.11	2.82	2.57	2.36	2.17	2.00	1.84	1.69	1.55	1.43	1.33	1.23	1.15	-	
HLT90/600 perforated	0.75mm	Imposed	Single	2.11	1.94	1.79	1.66	1.55	1.45	1.29	1.15	1.02	0.92	-	-	-	-	-	-
		Double	1.71	1.53	1.38	1.25	1.13	1.04	0.95	-	-	-	-	-	-	-	-	-	-
	Suction	Single	2.47	2.28	2.12	1.98	1.80	1.60	1.43	1.29	1.17	1.06	-	-	-	-	-	-	-
		Double	2.04	1.89	1.76	1.58	1.42	1.28	1.16	-	-	-	-	-	-	-	-	-	-
	1.00mm	Imposed	Single	4.02	3.70	3.43	3.08	2.68	2.36	2.09	1.86	1.66	1.50	1.35	1.22	1.09	0.95	-	-
		Double	3.38	2.99	2.67	2.39	2.15	1.95	1.77	1.62	1.48	1.36	1.26	1.16	1.07	0.98	-	-	-
Suction	Single	3.69	3.42	3.17	2.97	2.78	2.50	2.24	2.02	1.83	1.66	1.52	1.40	1.29	1.19	-	-	-	
	Double	3.26	2.93	2.65	2.41	2.20	2.03	1.87	1.73	1.61	1.50	1.41	1.32	1.24	1.15	-	-	-	
1.25mm	Imposed	Single	5.08	4.67	4.32	3.89	3.39	2.98	2.64	2.35	2.10	1.89	1.71	1.55	1.38	1.20	1.05	0.92	-
	Double	4.26	3.77	3.36	3.01	2.71	2.46	2.24	2.04	1.87	1.72	1.58	1.46	1.36	1.24	1.13	1.04	0.96	-
Suction	Single	4.66	4.30	4.00	3.74	3.52	3.15	2.81	2.54	2.30	2.10	1.92	1.76	1.62	1.50	1.40	1.30	-	-
	Double	4.11	3.69	3.34	3.04	2.78	2.56	2.36	2.19	2.04	1.90	1.78	1.67	1.57	1.45	1.35	1.26	1.17	-

**NOTES** These load table are calculated using SAB Static V2.63 with safety factors set to EN 1993-1-3.

The table shows safe allowable live or wind loads, load factor of 1.5 applied.

UDL only is included in the load table, traffic load and walkability are not considered, however these can be checked by using the SAB Static V2.63 program.

The Eurocode also requires that the fixings are checked.

\* Deflection governs longer single spans, double spans are not deflection limited.

Red figures indicate that tray length exceeds 12m, the maximum advisable.