

## Safe-T-Perf Load Tables

The following charts are based on a 295mm wide x 48mm deep plank with 12mm returns, Mild Steel (Grade 250). All of the loads are maximum unfavoured live loads, with self-weight included.

GAUGE (mm)	LOAD	SPAN (mm)									
		300	600	900	1200	1500	1800	2100	2400	2700	3000
<b>Stock Crate</b>											
2.0	Qu	11.74	11.74	11.74	7.54	4.75	3.23	2.32	1.72	1.32	1.02
	Du	0.02	0.35	1.78	3.66	5.73	8.30	11.36	14.93	19.03	23.68
	Qc	5.48	2.73	1.80	1.33	1.05	0.86	0.72	0.61	0.52	0.45
	Dc	0.18	0.73	1.65	2.95	4.65	6.77	9.32	12.35	15.87	19.94
3.0	Qu	26.47	26.47	19.85	11.02	6.94	4.72	3.38	2.51	1.92	1.49
	Du	0.03	0.48	1.84	3.28	5.15	7.45	10.20	13.41	17.10	21.28
	Qc	8.02	3.99	2.63	1.95	1.53	1.25	1.05	0.89	0.76	0.66
	Dc	0.16	0.65	1.48	2.65	4.18	6.08	8.38	11.10	14.28	17.94
4.0	Qu	47.10	47.10	24.40	13.55	8.52	5.79	4.15	3.08	2.35	1.83
	Du	0.04	0.69	1.84	3.28	5.14	7.44	10.19	13.39	17.08	21.26
	Qc	9.86	4.90	3.24	2.40	1.89	1.54	1.29	1.09	0.94	0.81
	Dc	0.16	0.65	1.48	2.65	4.17	6.07	8.37	11.10	14.27	17.94
<b>Universal</b>											
2.0	Qu	12.17	12.17	12.17	7.69	4.84	3.30	2.37	1.76	1.35	1.05
	Du	0.02	0.34	1.74	3.52	5.52	7.98	10.92	14.36	18.30	22.77
	Qc	5.59	2.78	1.84	1.36	1.07	0.88	0.73	0.62	0.54	0.46
	Dc	0.17	0.70	1.59	2.84	4.47	6.51	8.96	11.87	15.25	19.15
3.0	Qu	27.44	27.44	19.61	10.89	6.85	4.66	3.34	2.48	1.89	1.47
	Du	0.03	0.52	1.89	3.37	5.28	7.64	10.47	13.76	17.55	21.84
	Qc	7.92	3.94	2.60	1.93	1.52	1.24	1.03	0.88	0.75	0.65
	Dc	0.17	0.67	1.52	2.72	4.29	6.24	8.60	11.40	14.66	18.42
4.0	Qu	48.83	48.83	24.87	13.81	8.69	5.91	4.24	3.15	2.40	1.87
	Du	0.04	0.68	1.77	3.15	4.94	7.15	9.78	12.86	16.40	20.41
	Qc	10.05	5.00	3.30	2.44	1.92	1.57	1.31	1.11	0.96	0.83
	Dc	0.16	0.63	1.42	2.54	4.01	5.83	8.04	10.65	13.69	17.20
<b>Stiletto</b>											
2.0	Qu	10.77	10.77	10.77	7.82	4.92	3.35	2.41	1.79	1.37	1.07
	Du	0.02	0.29	1.47	3.41	5.34	7.73	10.57	13.89	17.71	22.03
	Qc	5.68	2.82	1.87	1.38	1.09	0.89	0.75	0.63	0.55	0.47
	Dc	0.17	0.68	1.54	2.75	4.33	6.30	8.67	11.48	14.75	18.52
3.0	Qu	24.27	24.27	20.05	11.14	7.01	4.77	3.42	2.54	1.94	1.51
	Du	0.03	0.43	1.80	3.21	5.04	7.29	9.98	13.11	16.72	20.81
	Qc	8.10	4.03	2.66	1.97	1.55	1.27	1.06	0.90	0.77	0.67
	Dc	0.16	0.64	1.45	2.59	4.08	5.94	8.19	10.85	13.96	17.53
4.0	Qu	43.20	43.20	25.24	14.02	8.83	6.01	4.30	3.20	2.44	1.90
	Du	0.04	0.57	1.71	3.05	4.79	6.93	9.48	12.47	15.89	19.78
	Qc	10.20	5.07	3.35	2.48	1.95	1.59	1.33	1.13	0.97	0.84
	Dc	0.15	0.61	1.38	2.46	3.88	5.65	7.79	10.32	13.26	16.66

**Qu** = Unfactored Uniformly distributed Live Load (Kpa)  
**Du** = Deflection (mm), (Due to Qu+Self Weight)  
**Qc** = Unfactored Concentrated Live Load (KN)  
**Dc** = Deflection (mm), (Due to Qc+Self Weight)

Refer AS/NZS 1170.0:2002 for suggested serviceability limits