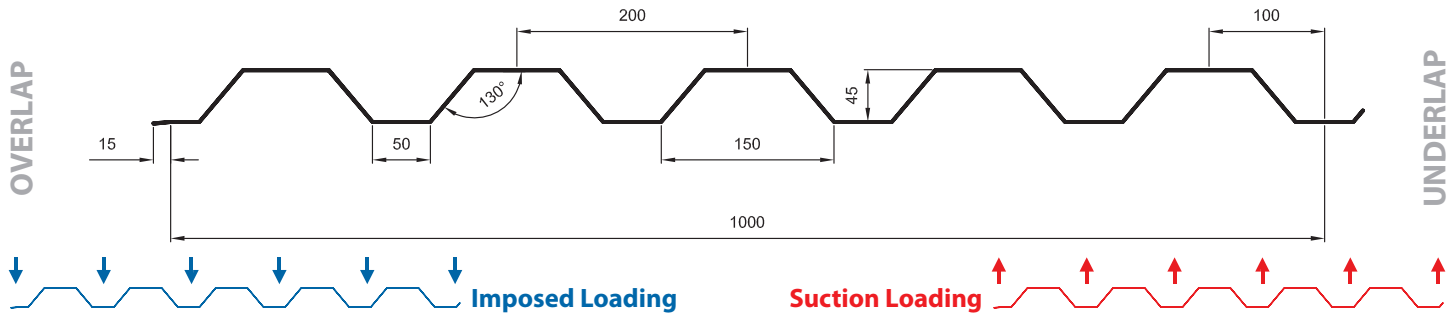


### General Information:

Min. Yeild Stress (N/mm <sup>2</sup> )	220	Weight (kg/m <sup>2</sup> )	<b>0.63</b>	<b>0.75</b>
Deflection Limit	L/ 150	Shear resistance (kN/m)	6.19	7.37
		Web Crushing Mid (kN/m)	39.59	57.33
		Web Crushing End (kN/m)	9.27	13.19
			4.64	6.59

### Profile Dimensions:



### Imposed (Gravity)

<b>Bottom Flange In Tension</b>	<b>0.63</b>	<b>0.75</b>	<b>Bottom Flange In Compression</b>	<b>0.63</b>	<b>0.75</b>
Moment Capacity(kNm/m)	2.144	2.779	Moment Capacity(kNm/m)	2.219	2.854
Inertia (cm <sup>4</sup> /m)	16.888	21.368	Inertia (cm <sup>4</sup> /m)	19.093	24.087

		Span (m) / UDL (kN/m <sup>2</sup> )																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
<b>0.63</b>	<b>Single</b>	6.18	5.62	5.15	4.75	4.42	4.12	3.86	3.64	3.43	3.02	2.59	2.24	1.95	1.70	1.50	1.33	1.18
	<b>Double</b>	4.36	3.85	3.43	3.08	2.79	2.53	2.32	2.13	1.96	1.81	1.68	1.57	1.46	1.37	1.29	1.21	1.14
	<b>Multi</b>	5.09	4.50	4.02	3.62	3.28	2.98	2.73	2.51	2.32	2.15	2.00	1.86	1.74	1.63	1.53	1.44	1.36
<b>0.75</b>	<b>Single</b>	8.79	7.99	7.33	6.76	6.28	5.86	5.50	5.13	4.40	3.74	3.21	2.77	2.41	2.11	1.86	1.64	1.46
	<b>Double</b>	6.01	5.30	4.71	4.23	3.81	3.46	3.16	2.90	2.67	2.46	2.28	2.12	1.98	1.85	1.74	1.63	1.54
	<b>Multi</b>	7.04	6.21	5.54	4.97	4.49	4.09	3.73	3.43	3.16	2.92	2.71	2.53	2.36	2.21	2.07	1.95	1.84

### Suction (Uplift)

<b>Bottom Flange In Tension</b>	<b>0.63</b>	<b>0.75</b>	<b>Bottom Flange In Compression</b>	<b>0.63</b>	<b>0.75</b>
Moment Capacity(kNm/m)	2.219	2.854	Moment Capacity(kNm/m)	2.144	2.779
Inertia (cm <sup>4</sup> /m)	19.093	24.087	Inertia (cm <sup>4</sup> /m)	16.888	21.368

		Span (m) / UDL (kN/m <sup>2</sup> )																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
<b>0.63</b>	<b>Single</b>	6.18	5.62	5.15	4.75	4.42	4.12	3.86	3.64	3.43	3.25	2.79	2.41	2.09	1.83	1.61	1.43	1.27
	<b>Double</b>	4.32	3.81	3.39	3.04	2.75	2.50	2.28	2.10	1.93	1.79	1.66	1.54	1.44	1.35	1.26	1.19	1.12
	<b>Multi</b>	5.04	4.46	3.98	3.58	3.24	2.95	2.70	2.48	2.29	2.12	1.97	1.83	1.71	1.60	1.51	1.42	1.34
<b>0.75</b>	<b>Single</b>	8.79	7.99	7.33	6.76	6.28	5.86	5.50	5.17	4.70	4.03	3.45	2.98	2.59	2.27	2.00	1.77	1.57
	<b>Double</b>	5.96	5.25	4.67	4.18	3.77	3.42	3.12	2.86	2.63	2.43	2.26	2.10	1.96	1.83	1.71	1.61	1.51
	<b>Multi</b>	6.98	6.16	5.49	4.92	4.45	4.04	3.69	3.39	3.12	2.89	2.68	2.50	2.33	2.18	2.05	1.92	1.81

### Notes

- CA 45 1000W when installed vertically as part of a wall construction to be limited to maximum 2.20m rail spans.
- CA 45 1000W when installed horizontally as part of a wall construction to be limited to maximum 1.80m support spans.
- CA 45 1000W when installed horizontally should be 0.7mm thick minimum.