



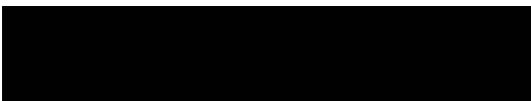
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The roofing solution for domestic or commercial projects.

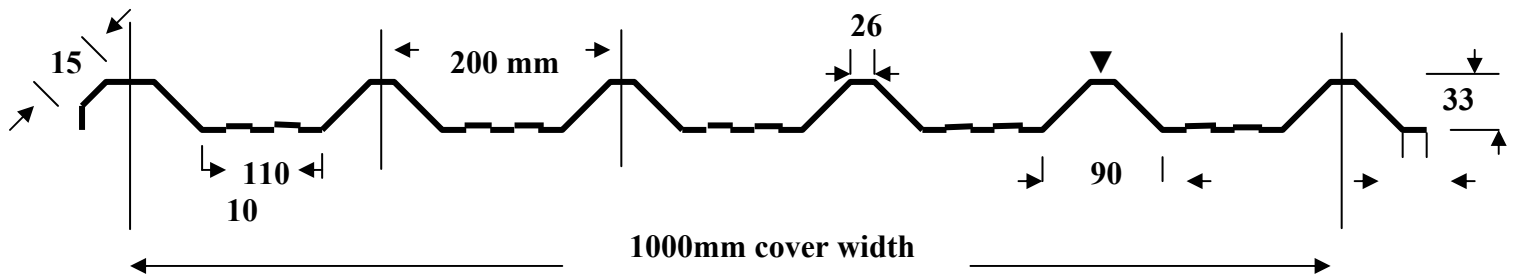
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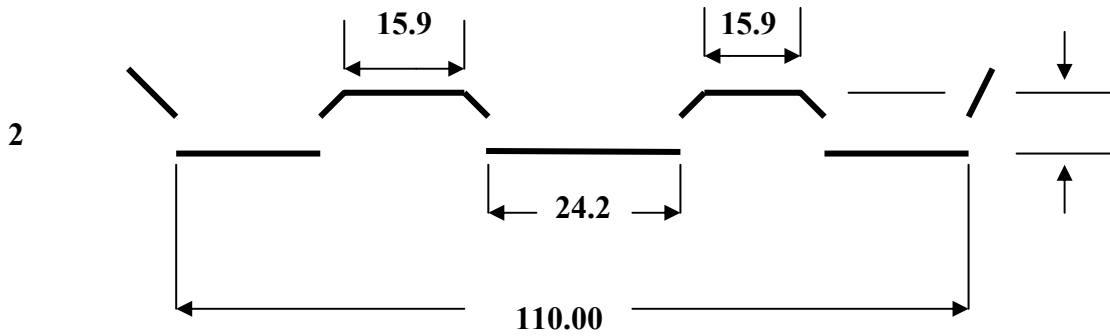
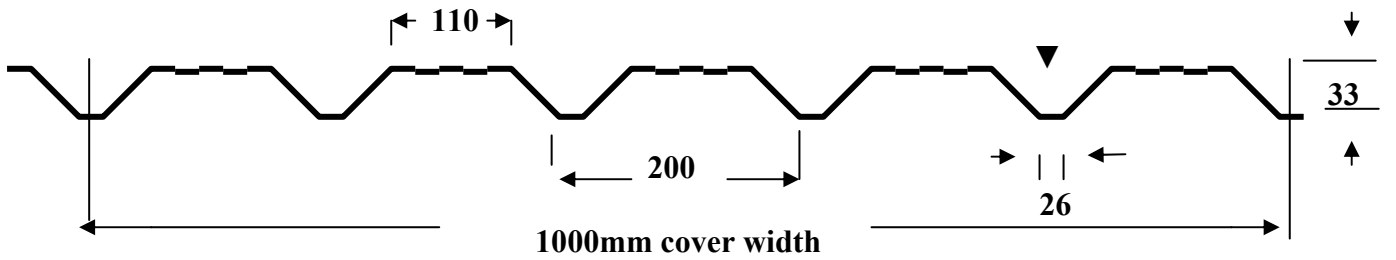
# ***PRODUCT SELECTOR & DESIGN MANUAL***



SUPER SIX R1000



SUPER SIX C1000



ENLARGED DETAIL


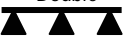

PHYSICAL PROPERTIES




Nominal thickness mm	Design thickness mm	Area cm <sup>2</sup>	Weight kg/m <sup>2</sup>	Full properties		Large flange in compression	
				Moment of resistance KN/ m	Moment of inertia cm <sup>4</sup> /m	Moment of resistance kNm/ m	Moment of inertia cm <sup>4</sup> /m
0.50	0.45	6.100	4.796	0.576	8.6095	0.547	6.3677
0.55	0.50	6.710	5.275	0.640	9.5616	0.607	7.1769
0.60	0.55	7.320	5.755	0.703	10.5128	0.688	8.0118
0.70	0.65	8.540	6.714	0.831	12.4126	0.792	9.7550
0.80	0.75	9.760	7.673	0.958	14.3092	0.919	11.5900
0.90	0.85	10.980	8.632	1.084	16.2026	1.046	13.5099




The Load / span tables have been calculated from section physical properties which use an effective Width approach for flanges in compression,

To B8 5950 Part 5 1987

# LOAD SPAN TABLES: SUPERSIX

Load Table: Roof suction loads. Wind Uplift L/ 180 deflection											
Applied load in KN/m <sup>2</sup>											
Span Type	Thick mm	Span In metres									
		1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
Single 	0.50	3.52	2.60	1.68	1.20	0.89	0.68	0.53			
	0.55	3.91	2.88	1.89	1.34	0.99	0.76	0.60			
	0.60	4.30	3.18	2.11	1.50	1.11	0.85	0.67	0.54		
	0.70	5.10	3.77	2.57	1.83	1.35	1.03	0.81	0.65	0.54	
	0.80	5.91	4.36	3.05	2.17	1.60	1.22	0.96	0.77	0.63	0.53
	0.90	6.72	4.96	3.54	2.51	1.85	1.41	1.11	0.89	0.73	0.61
Double 	0.50	3.10	2.66	2.11	1.68	1.37	1.10	0.86	0.68	0.56	
	0.55	3.68	3.04	2.34	1.86	1.51	1.23	0.96	0.76	0.62	0.52
	0.60	4.31	3.34	2.57	2.05	1.67	1.38	1.07	0.86	0.70	0.58
	0.70	5.34	3.94	3.04	2.41	1.97	1.64	1.30	1.04	0.85	0.70
	0.80	6.16	4.55	3.50	2.78	2.27	1.89	1.55	1.23	1.00	0.83
	0.90	6.96	5.14	3.95	3.14	2.56	2.13	1.79	1.42	1.16	0.96
Three Or more 	0.50	3.57	3.07	2.62	1.96	1.44	1.10	0.86	0.68	0.56	
	0.55	4.24	3.78	2.91	2.20	1.62	1.23	0.96	0.76	0.62	0.52
	0.60	4.96	4.16	3.20	2.46	1.81	1.38	1.07	0.86	0.58	0.58
	0.70	6.53	4.91	3.78	3.00	2.20	1.67	1.30	1.04	0.70	0.70
	0.80	7.68	5.66	4.35	3.46	2.61	1.98	1.55	1.23	0.83	0.83
	0.90	8.69	6.40	4.92	3.90	3.03	2.30	1.79	1.42	0.96	0.96

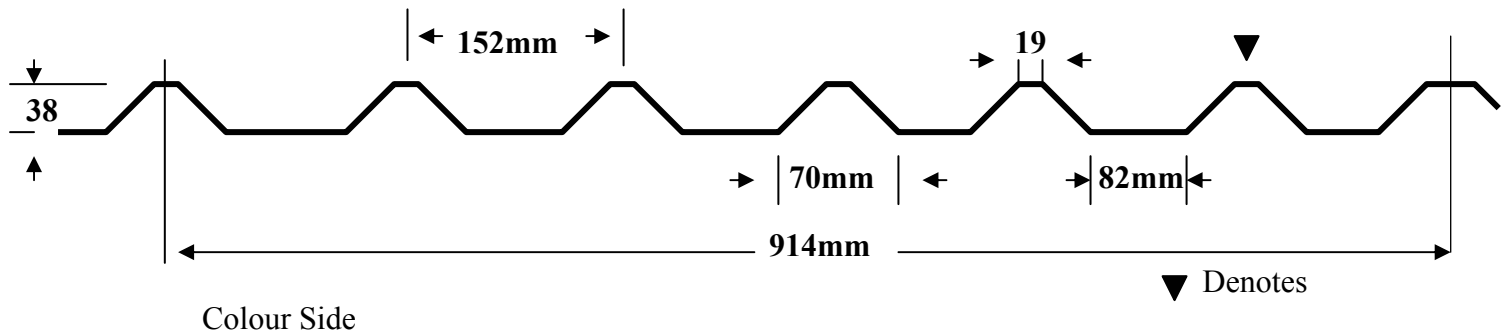
Load Table: Dead Superimposed loads. L/180 Deflection											
Applied load in KN/m <sup>2</sup>											
Span Type	Thick mm	Span in metres									
		1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
Single 	0.50	3.15	2.30	1.75	1.24	0.89	0.66	0.50			
	0.55	3.50	2.56	1.95	1.38	0.99	0.73	0.55			
	0.60	3.85	2.82	2.14	1.52	1.09	0.81	0.61			
	0.70	4.55	3.32	2.53	1.80	1.29	0.95	0.72	0.55		
	0.80	5.24	3.83	2.92	2.07	1.49	1.10	0.83	0.64	0.50	
	0.90	5.94	4.34	3.30	2.35	1.69	1.25	0.94	0.72	0.56	
Double 	0.50	2.72	2.18	1.66	1.30	1.05	0.86	0.71	0.60	0.51	
	0.55	3.22	2.43	1.85	1.45	1.16	0.95	0.79	0.67	0.57	
	0.60	3.66	2.67	2.03	1.59	1.28	1.05	0.87	0.73	0.63	0.54
	0.70	4.34	3.17	2.41	1.89	1.52	1.24	1.03	0.87	0.74	0.64
	0.80	5.03	3.67	2.80	2.19	1.76	1.44	1.20	1.01	0.86	0.74
	0.90	5.73	4.19	3.18	2.50	2.01	1.64	1.37	1.15	0.98	0.85
Three Or more 	0.50	3.08	2.64	2.09	1.64	1.32	1.08	0.86	0.67	0.52	
	0.55	3.66	3.05	2.32	1.82	1.47	1.20	0.96	0.74	0.58	
	0.60	4.28	3.35	2.55	2.01	1.61	1.32	1.05	0.82	0.64	0.51
	0.70	5.44	3.98	3.03	2.38	1.94	1.57	1.22	0.96	0.76	0.60
	0.80	6.30	4.61	3.51	2.76	2.22	1.82	1.39	1.11	0.88	0.70
	0.90	7.18	5.25	4.00	3.14	2.53	2.08	1.56	1.26	0.99	0.79

Load Table: Wind Pressure loads. L/150 Deflection											
Applied load in KN/m <sup>2</sup>											
Span Type	Thick mm	Span in metres									
		1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
Single 	0.50	3.47	2.55	1.63	1.15	0.84	0.63	0.48			
	0.55	3.86	2.83	1.84	1.29	0.94	0.71	0.55			
	0.60	4.24	3.12	2.05	1.44	1.05	0.79	0.61	0.48		
	0.70	5.03	3.70	2.50	1.76	1.28	0.96	0.74	0.56	0.47	
	0.80	5.83	4.28	2.97	2.09	1.52	1.14	0.88	0.69	0.55	0.45
	0.90	6.64	4.88	3.46	2.43	1.77	1.33	1.03	0.81	0.65	0.53
Double 	0.50	3.66	2.69	2.06	1.63	1.32	1.05	0.81	0.63	0.51	
	0.55	4.06	2.99	2.29	1.81	1.46	1.18	0.91	0.71	0.57	0.47
	0.60	4.47	3.28	2.51	1.99	1.61	1.32	1.01	0.80	0.64	0.52
	0.70	5.27	3.87	2.97	2.34	1.90	1.57	1.23	0.97	0.78	0.63
	0.80	6.08	4.47	3.42	2.70	2.19	1.81	1.47	1.15	0.92	0.75
	0.90	6.88	5.06	3.87	3.06	2.48	2.05	1.71	1.34	1.08	0.88
Three Or more 	0.50	4.57	3.36	2.57	1.91	1.39	1.05	0.81	0.63	0.51	
	0.55	5.08	3.73	2.86	2.15	1.57	1.18	0.91	0.71	0.57	0.47
	0.60	5.58	4.10	3.14	2.40	1.75	1.32	1.01	0.80	0.64	0.52
	0.70	6.59	4.84	3.71	2.93	2.13	1.60	1.23	0.97	0.78	0.63
	0.80	7.60	5.58	4.27	3.38	2.53	1.90	1.47	1.15	0.92	0.75
	0.90	8.61	6.32	4.84	3.82	2.95	2.22	1.71	1.34	1.08	0.88

NB Intermediate values for a span within the limits of the table may be obtained by linear interpolation

# PROFILE DIMENSIONS & PROPERTIES

## RWA6



### Section Properties (steel)

Nominal thickness mm	Design thickness mm	Weight kg/m <sup>2</sup>	Moment of resistance kN/m	Moment of inertia cm <sup>4</sup> /m
0.55	0.50	5.62	0.732	13.2366
0.70	0.65	7.15	0.9719	17.2077
0.90	0.85	9.19	1.2709	22.5024

## CWA6









### Heys-Shaw WA6 complies with External Fire Exposure Roof Test EXT.SAA to BS476 part 3 1958




### Section Properties (steel)

Nominal thickness mm	Design thickness mm	Weight kg/m <sup>2</sup>	Moment of resistance kN/m	Moment of inertia cm <sup>4</sup> /m
0.50	0.50	5.78	0.649	10.5222
0.70	0.65	7.36	0.875	14.6080
0.90	0.85	9.46	1.198	20.4060

# LOAD SPAN TABLES: WA6

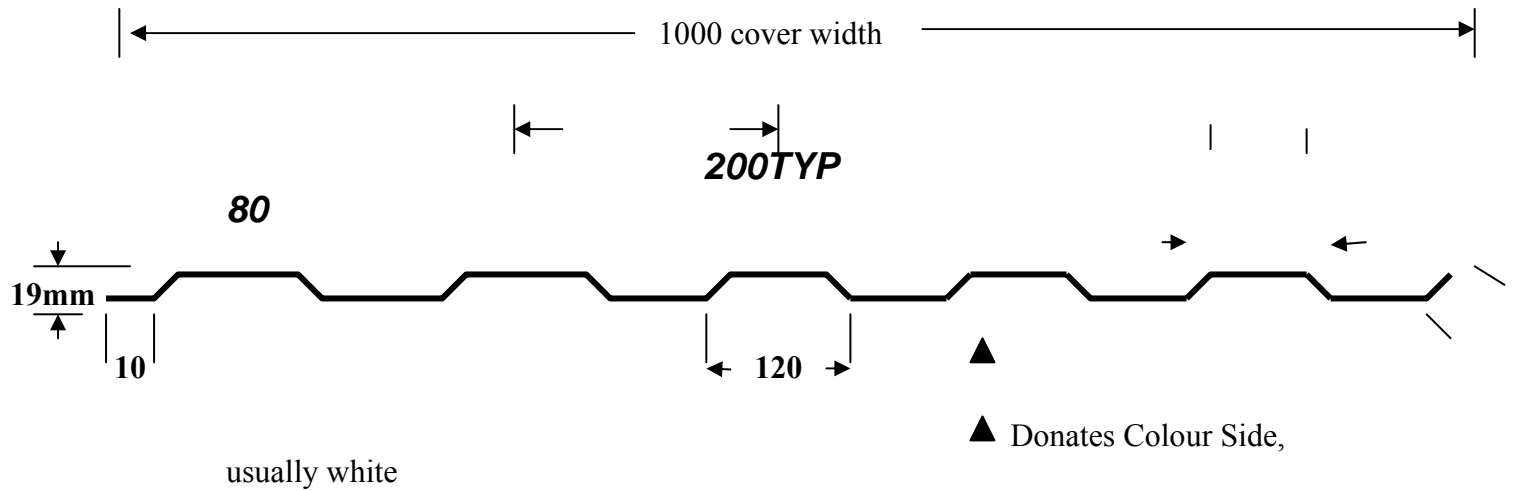
Load Table: dead and Superimposed loads L/150 Deflection												
Applied load in KN/m <sup>2</sup>												
Span Type	Thick mm	Span In metres	1.2	1.4	1.6	1.8	2.0	2.2	2.40	2.6	2.8	3.0
Single 	0.50	5.79	4.01	2.93	2.23	1.75	1.40	1.04	0.79	0.61		
	0.55	6.36	4.40	3.22	2.45	1.92	1.53	1.14	0.86	0.67	0.52	
	0.60	6.93	4.79	3.50	2.67		2.10	1.67	1.24	0.94	0.73	0.57
	0.70	8.06	5.57	4.08	3.10	2.44	1.95	1.45	1.10	0.85	0.67	0.53
	0.80	9.18	6.36	4.64	3.54	2.78	2.23	1.65	1.25	0.97	0.76	0.60
	0.90	10.30	7.12	5.21	3.97	3.11	2.50	1.86	1.41	1.09	0.85	0.68
Double 	0.50	5.20	3.60	2.63	2.00	1.57	1.26	1.03	0.86	0.73	0.62	0.53
	0.55	5.77	3.99	2.92	2.22	1.74	1.40	1.15	0.95	0.81	0.69	0.59
	0.60	6.35	4.39	3.21	2.44	1.92	1.54	1.26	1.05	0.89	0.76	0.65
	0.70	7.51	5.19	3.80	2.89	2.27	1.82	1.49	1.24	1.05	0.90	0.77
	0.80	8.69	6.01	4.39	3.34	2.63	2.11	1.73	1.44	1.22	1.04	0.89
	0.90	9.88	6.83	4.99	3.80	2.98	2.40	1.97	1.64	1.38	1.18	1.02
Three Or more 	0.50	6.51	4.51	3.30	2.51	1.97	1.59	1.30	1.09	0.92	0.79	0.66
	0.55	7.23	5.00	3.66	2.79	2.19	1.76	1.45	1.21	1.02	0.87	0.73
	0.60	7.95	5.50	4.02	3.07	2.41	1.94	1.59	1.33	1.12	0.96	0.80
	0.70	9.41	6.51	4.76	3.63	2.85	2.30	1.89	1.57	1.33	1.14	0.93
	0.80	10.88	7.53	5.51	4.20	3.30	2.66	2.18	1.82	1.54	1.32	1.06
	0.90	12.37	8.56	6.27	4.78	3.75	3.02	2.48	2.07	1.75	1.48	1.19

Load Table: Roof Suction loads. Wind Uplift. L/180 Deflection												
Applied load in KN/m <sup>2</sup>												
Span Type	Thick mm	Span in metres	1.2	1.4	1.6	1.8	2.0	2.2	2.40	2.6	2.8	3.0
Single 	0.50	4.11	2.88	1.95	1.38	1.02	0.78	0.61				
	0.55	4.61	3.29	2.22	1.57	1.16	0.89	0.69	0.56			
	0.60	5.11	3.70	2.50	1.77	1.31	1.00	0.78	0.63	0.51		
	0.70	6.13	4.52	3.07	3.18	1.61	1.22	0.96	0.77	0.63	0.52	
	0.80	7.15	5.27	3.67	2.60	1.91	1.46	1.14	0.91	0.75	0.62	
	0.90	8.17	6.03	4.28	3.03	2.23	1.70	1.33	1.06	0.87	0.72	
Double 	0.50	3.75	3.22	2.61	2.07	1.67	1.26	0.99	0.78	0.64	0.53	
	0.55	4.47	3.76	2.89	2.30	1.87	1.44	1.12	0.89	0.73	0.60	
	0.60	5.24	4.13	3.18	2.52	2.05	1.62	1.26	1.00	0.82	0.67	
	0.70	6.60	4.87	3.74	2.97	2.42	1.99	1.55	1.12	1.00	0.83	
	0.80	7.60	5.60	4.31	3.42	1.99	1.55	1.12	1.47	1.19	0.98	
	0.90	8.58	6.33	4.86	3.86	3.14	2.61	2.16	1.71	1.39	1.14	
Three Or more 	0.50	4.27	3.66	3.21	2.27	1.67	1.26	0.99	0.78	0.64	0.53	
	0.55	5.08	4.36	3.60	2.59	1.90	1.44	1.12	0.89	0.73	0.60	
	0.60	5.96	5.10	3.96	2.91	2.14	1.62	1.26	1.00	0.82	0.67	
	0.70	7.88	6.07	4.66	3.58	2.63	1.99	1.55	1.23	1.00	0.83	
	0.80	9.48	6.98	5.36	4.25	3.14	2.38	1.85	1.47	1.19	0.98	
	0.90	10.70	7.89	6.06	4.80	3.66	2.77	2.16	1.71	1.39	1.14	

Load Table: Wind Pressure loads. L/150 Deflection												
Applied load in KN/m <sup>2</sup>												
Span Type	Thick mm	Span in metres	1.2	1.4	1.6	1.8	2.0	2.2	2.40	2.6	2.8	3.0
Single 	0.50	4.06	2.98	2.28	1.60	1.17	0.88	0.68	0.53			
	0.55	4.56	3.35	2.56	1.83	1.33	1.00	0.77	0.61			
	0.60	5.05	3.71	2.84	2.06	1.50	1.13	0.87	0.68	0.55		
	0.70	6.06	4.45	3.41	2.53	1.85	1.39	1.07	0.84	0.67	0.55	
	0.80	7.07	5.20	3.98	3.03	2.21	1.66	1.28	1.00	0.80	0.65	
	0.90	8.09	5.94	4.55	3.53	2.58	1.94	1.49	1.17	0.94	0.76	
Double 	0.50	3.76	3.22	2.56	2.02	1.64	1.35	1.13	0.89	0.71	0.58	
	0.55	4.47	3.71	2.84	2.25	1.82	1.50	1.26	1.01	0.81	0.66	
	0.60	5.24	4.08	3.12	2.47	2.00	1.65	1.39	1.14	0.91	0.74	
	0.70	6.54	4.80	3.68	2.91	2.35	1.94	1.63	1.39	1.12	0.91	
	0.80	7.52	5.52	4.23	3.34	2.71	2.24	1.88	1.60	1.34	1.09	
	0.90	8.50	6.24	4.78	3.78	3.06	2.53	2.12	1.81	1.56	1.27	
Three Or more 	0.50	4.27	3.66	3.20	2.53	1.95	1.46	1.13	0.89	0.71	0.58	
	0.55	5.08	4.36	3.55	2.81	2.22	1.67	1.28	1.00	0.81	0.66	
	0.60	5.96	5.10	3.90	3.08	2.50	1.88	1.45	1.14	0.91	0.74	
	0.70	7.88	6.00	4.60	3.63	2.94	2.31	1.78	1.40	1.12	0.91	
	0.80	9.40	6.91	5.29	4.18	3.38	2.76	2.13	1.67	1.34	1.09	
	0.90	10.62	7.80	5.97	4.72	3.82	3.16	2.49	1.95	1.56	1.27	

NB Intermediate values for a span within the limits of the table may be obtained by linear interpolation

**SUPERSIX L/T 1000  
LINING PANELS**



		Applied load on KN/m <sup>2</sup>							
Span Thick	Span in metres	10	1.25	1.50	1.75	2.0	2.25	2.50	2.75
Type	mm								
Single ▲▲	0.40	1.762	1.002	0.566	0.344	0.219			
	0.45	2.102	1.179	0.666	0.406	0.259	0.171		
	0.50	2.496	1.367	0.773	0.471	0.302	0.199		
	0.55	.863	1.563	0.885	0.540	0.346	0.229	0.155	
	0.60	3.283	1.770	1.003	0.613	0.394	0.261	0.177	
Double ▲▲▲	0.40	1.763	1.116	0.765	0.553	0.388	0.262	0.182	
	0.45	2.103	1.332	0.923	0.661	0.457	0.310	0.216	0.152
	0.50	2.469	1.565	1.074	0.778	0.531	0.360	0.251	0.178
	0.55	2.862	1.815	1.246	0.903	0.609	0.414	0.289	0.205
	0.60	3.283	2.083	1.431	1.038	0.690	0.569	0.328	0.234
Three Or more ▲▲▲▲	0.40	2.212	1.403	0.964	0.595	0.388	0.262	0.182	
	0.45	2.638	1.675	1.136	0.702	0.457	0.310	0.216	0.152
	0.50	3.097	1.967	1.317	0.813	0.531	0.360	0.251	0.178
	0.55	3.589	2.280	1.506	0.931	0.609	0.414	0.289	0.205
	0.60	4.116	2.616	1.705	1.055	0.690	0.469	0.328	0.234

NOTE: Intermediate values for spans within the limits of the table may be obtained by linear interpolation