

Product card -
**Trapezoidal metal
sheets T130**

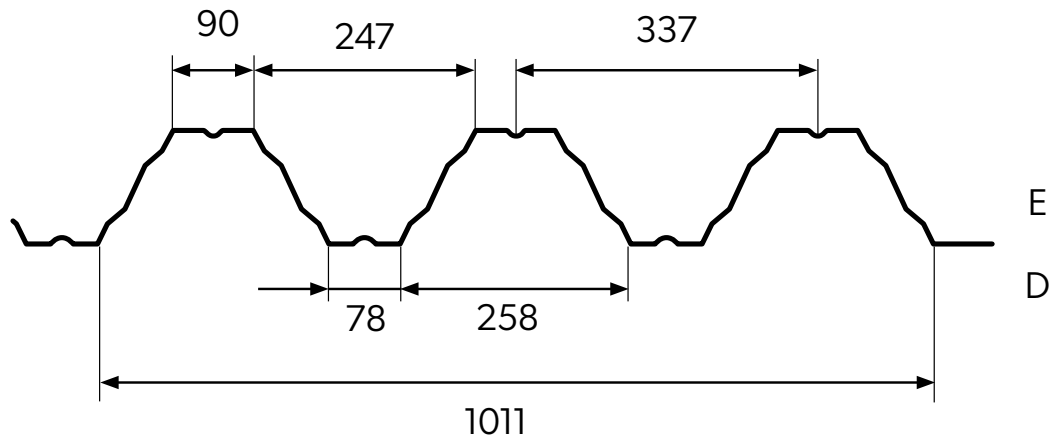
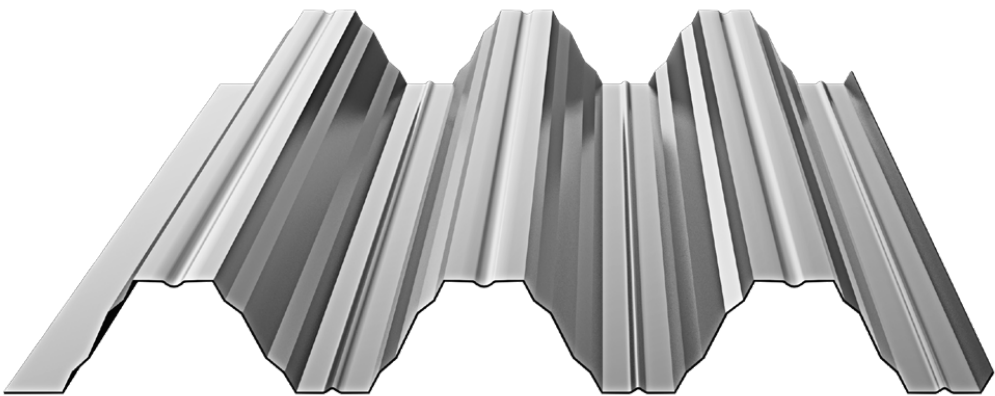
T130

STEEL SERVICE CENTRE



Technical parameters

Technical parameters [in mm]	
Effective width	1011
Total width	1045
Height of profile	134
Thickness of steel sheet	0,7-1,5
Max. length of sheet	14 000



Installation guide and commentary on load-bearing capacity tables

Load-bearing capacity tables were elaborated for trapezoid metal sheets of the company VSS working as single-span beams and continuous beams: two-span and three-span and also for metal sheets laid at overlap – as two-span and three-span beams (available only on request – for further details contact the VSS Sales Department). A variant base on supports was taken into account (the positive or the negative).

The results were obtained based on static-strength analysis of metal sheets treated as thin-walled elements according to the algorithm of Assoc. Eng. R.J. Garncarek, Professor at the Bialystok University of Technology, in accordance with PNEN 1993-1-3: August 2008 along with further changes. Programs by the company KOTEX were used for the calculations [www.kotex.waw.pl].

According to EN 1993-1-3 in the calculations assumed:

- resilient material with a yield point f_{yb} according to the table 3.1b.,,
- material safety factor $\gamma_m = 1,0$.

In the tables, computational loads for I limit state (SGN) were presented, expressing the allowable loadbearing capacity and loads characteristic for II limit state (SGU) corresponding to the allowable deflections.

The allowable loads in SGU state were specified for deflections $L/150$, $L/200$ and $L/300$. Loads are expres'ed in kN/m².

The ranges of parameters for the analyzed metal sheets are stated below:

Type of metal sheet: T130
Steel: S280 GD, S320 GD, S350 GD,

Metal sheet thicknesses: 0.60 mm, 0.70 mm, 0.75 mm, 0.80 mm, 0.88 mm, 1.00 mm, 1.15 mm, 1.25 mm, 1.50 mm

Intermediate support widths [b]: 60 mm, 80 mm, 120 mm, 160 mm, 300 mm

Spans of bays [m]: $L_{min} = 2.00$ m, $L_{max} = 8.50$ mm

General recommendations

The widths of the end support according to the manufacturer (60 mm) have been given in the following load-bearing capacity tables, yet for the purpose of calculations, the widths of the end support $a=10$ mm have been assumed in accordance with PN-EN. Tables for two- and three-span systems have been prepared for the following widths of the intermediate support $b=60$ mm, 80 mm, 120 mm, 160 mm and 300 mm.

Presented computational loads should be compared with the values from the tables – line No. 1, for a span not less than that assumed in the structure design. In case of two-span and three-span metal sheet, a table should be chosen which corresponds to the width of the intermediate support b not greater than the width assumed in the structure design. Linear interpolation can be used both for the intermediate support width b and for the spans of bays L .

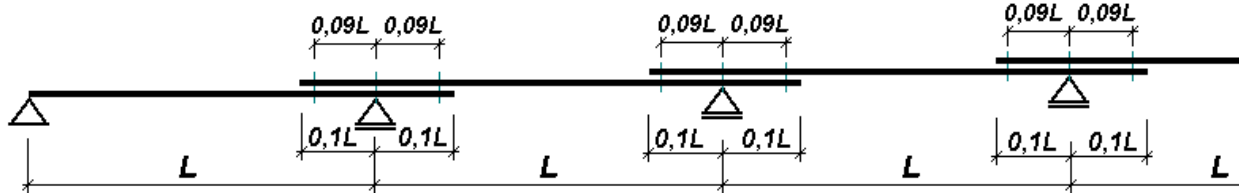
These tables can be used complying with the following conditions:

- The load which has an effect on the adopted static systems is constant and evenly distributed,
- The lengths of spans in the multi-span systems differ by no more than 5%, but to determine the SGN and SGU the greatest length of a span is adopted.
- The method of the attachment of trapezoidal metal sheets is consistent with the manufacturer's instructions.

In other individual cases, it is recommended to consult a representative of our company.

Recommendations for overlap systems

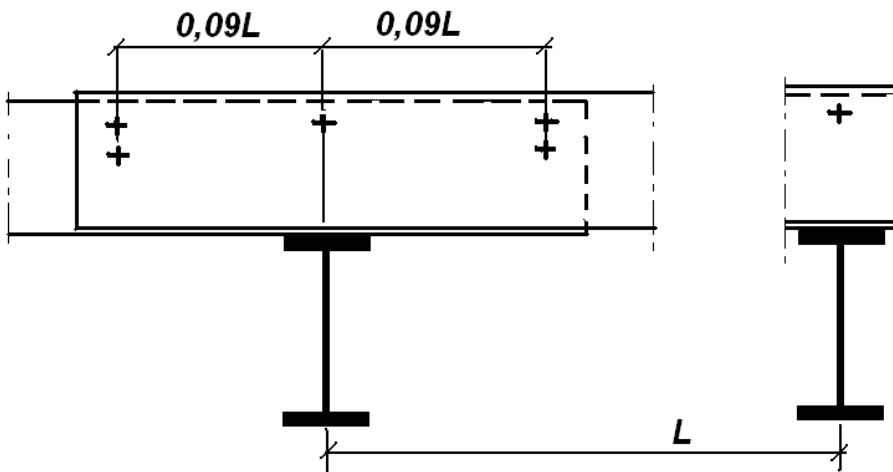
The tables have been drawn up for the installation of overlap metal sheets corresponding to 0.1 of the span of the bay, as shown in the picture*:



For overlap metal sheets, the intermediate support must meet the following condition ≥ 60 mm.

The fasteners shall be placed over the axes of supports (beams) and on both sides of the support within the distance of 0.09 of the span:

The minimum distance of the fastener center of gravity from support

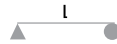


Weight of metal sheets (kg/m²)

Thickness of steel sheet [mm]	Weight [kg]
0,70	8,16
0,75	8,75
0,80	9,33
0,88	10,26
1,00	11,66
1,10	12,83
1,20	13,99
1,25	14,58
1,50	17,49

* Tables for overlap metal sheets are available upon request

T130



T300-2		Positive																											
Number of spans: 1		support: 60 - 60																											
Thickness	Jx [cm²]	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50
0.60	SGN	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38	0.34
204.21	SGU L150	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38	0.34
219.01	SGU L200	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29	
	SGU L300	3.14	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.54	1.43	1.35	1.09	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19	
0.70	SGN	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.86	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.13	1.08	1.04	1.00
245.24	SGU L150	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.86	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.13	1.08	1.04	1.00
255.51	SGU L200	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.86	1.73	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34	
	SGU L300	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.07	1.95	1.87	1.42	1.09	0.85	0.83	0.72	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22	
0.75	SGN	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	2.03	1.94	1.85	1.78	1.71	1.64	1.58	1.52	1.47	1.41	1.34	1.26	1.14	1.09	
265.30	SGU L150	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48	
273.76	SGU L200	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36		
	SGU L300	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24	
0.80	SGN	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.12	2.03	1.95	1.88	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19	
286.60	SGU L150	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.31	2.26	2.13	2.04	1.96	1.88	1.81	1.74	1.64	1.53					

S280 GD



S280 GD

T100-v2	Number of spans: 1		Positive support: 60 - 60																												
	Thickness	Jx [cm]	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50	
0.60	204.21	219.01	SGN	3.30	2.36	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.16	1.11	1.06	1.02	0.99	0.95	0.92	0.89	0.86	0.83	0.81	0.79	0.78
			SGU	3.30	2.36	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.16	1.11	1.06	1.02	0.99	0.95	0.92	0.89	0.86	0.83	0.81	0.79	0.78
			SGU L300	3.30	2.36	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.21	1.16	1.11	1.06	1.02	0.99	0.95	0.92	0.89	0.86	0.83	0.81	0.79	0.78
0.70	245.24	255.51	SGN	4.62	4.10	3.69	3.36	3.06	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.17	1.07	1.00	
			SGU	4.62	4.10	3.69	3.36	3.06	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.17	1.07	1.00	
			SGU L300	4.62	4.10	3.69	3.36	3.06	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.17	1.07	1.00	
0.75	265.30	273.76	SGN	5.33	4.74	4.27	3.88	3.58	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48	
			SGU	5.33	4.74	4.27	3.88	3.58	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48	
			SGU L300	5.33	4.74	4.27	3.88	3.58	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48	
0.80	286.60	292.01	SGN	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.10	1.95	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19	1.14	1.09	
			SGU	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.10	1.95	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19	1.14	1.09	
			SGU L300	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.10	1.95	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19	1.14	1.09	
0.88	316.73	321.21	SGN	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.19	2.12	2.07	1.98	1.84	1.72	1.61	1.51	1.42
			SGU	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.19	2.12	2.07	1.98					

T130

I	T130-v2	Number of spans: 1		Negative support: 60 - 60																												
		Thickness	Jx [cm4]	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50	
0.60	213.40	SGU L/U50	1	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50	
				SGN	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	1.00	0.97	0.93	0.90	0.87	0.84	0.81	0.78	0.76	0.74	
				SGU L/U50	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.20	1.14	1.09	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38	0.34
				SGU L/U50	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.39	1.32	1.25	1.18	1.04	0.91	0.77	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29		
				SGU L/U50	3.14	2.79	2.51	2.28	2.09	1.93	1.79	1.67	1.57	1.48	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19	
0.70	251.62	SGU L/U50	1	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50	
				SGN	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.62	1.54	1.47	1.41	1.36	1.31	1.26	1.22	1.18	1.14	1.11	1.08	1.07	
				SGU L/U50	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.62	1.54	1.47	1.41	1.36	1.31	1.26	1.22	1.18	1.14	1.11	1.08	1.07	
				SGU L/U50	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.77	1.68	1.62	1.54	1.47	1.41	1.36	1.31	1.26	1.22	1.18	1.14	1.11	1.08	1.07	
				SGU L/U50	4.41	3.92	3.53	3.21	2.94	2.72	2.52	2.35	2.21	2.08	1.96	1.86	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34	
0.75	270.29	SGU L/U50	1	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50	
				SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.80	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.31	1.25	1.19	1.05	
				SGU L/U50	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.80	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.31	1.25	1.19	1.05	
				SGU L/U50	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.03	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36	
				SGU L/U50	5.16	4.5																										

S280 GD

T130

[illegible]

S280 GD

S280 GD

Size of panel	Positive	
	1	support: 60 - 60
Number of spans:	1	support: 60 - 60
Thickness <i>Jx</i> [cm]	Case	support: 60 - 60
0.60	SGN	2.00 2.25 2.50 2.75 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 7.25 7.50 7.75 8.00 8.25 8.50
	SGU L/160	3.33 2.96 2.66 2.42 2.22 2.05 1.90 1.77 1.66 1.57 1.48 1.40 1.33 1.27 1.21 1.15 1.09 0.82 0.73 0.66 0.60 0.55 0.50 0.45 0.42 0.38
	SGU L/200	3.33 2.96 2.66 2.42 2.22 2.05 1.90 1.77 1.66 1.57 1.48 1.40 1.33 1.27 1.21 1.15 1.09 0.82 0.73 0.66 0.60 0.55 0.50 0.45 0.42 0.38
0.70	SGN	3.14 2.96 2.66 2.42 2.22 2.05 1.90 1.77 1.66 1.57 1.48 1.40 1.33 1.27 1.21 1.15 1.09 0.82 0.73 0.66 0.60 0.55 0.50 0.45 0.42 0.38
	SGU L/160	4.62 4.10 3.69 3.36 3.08 2.84 2.64 2.46 2.31 2.17 2.05 1.94 1.85 1.76 1.68 1.61 1.54 1.48 1.42 1.37 1.32 1.27 1.21 1.15 1.09 1.03 0.98
	SGU L/200	4.62 4.10 3.69 3.36 3.08 2.84 2.64 2.46 2.31 2.17 2.05 1.94 1.85 1.76 1.68 1.61 1.54 1.48 1.42 1.37 1.32 1.27 1.21 1.15 1.09 1.03 0.98
0.75	SGN	5.33 4.74 4.27 3.88 3.55 3.28 3.05 2.84 2.67 2.51 2.37 2.24 2.13 2.03 1.94 1.85 1.76 1.68 1.61 1.54 1.48 1.42 1.37 1.32 1.27 1.21 1.15
	SGU L/160	5.33 4.74 4.27 3.88 3.55 3.28 3.05 2.84 2.67 2.51 2.37 2.24 2.13 2.03 1.94 1.85 1.76 1.68 1.61 1.54 1.48 1.42 1.37 1.32 1.27 1.21 1.15
	SGU L/200	5.33 4.74 4.27 3.88 3.55 3.28 3.05 2.84 2.67 2.51 2.37 2.24 2.13 2.03 1.94 1.85 1.76 1.68 1.61 1.54 1.48 1.42 1.37 1.32 1.27 1.21 1.15
0.80	SGN	6.10 5.42 4.88 4.43 4.06 3.78 3.48 3.25 3.05 2.87 2.71 2.57 2.44 2.32 2.22 2.12 2.03 1.95 1.88 1.81 1.74 1.64 1.53 1.43 1.34 1.26 1.19
	SGU L/160	6.10 5.42 4.88 4.43 4.06 3.78 3.48 3.25 3.05 2.87 2.71 2.57 2.44 2.32 2.22 2.12 2.03 1.95 1.88 1.81 1.74 1.64 1.53 1.43 1.34 1.26 1.19
	SGU L/200	6.10 5.42 4.88 4.43 4.06 3.78 3.48 3.25 3.05 2.87 2.71 2.57 2.44 2.32 2.22 2.12 2.03 1.95 1.88 1.81 1.74 1.64 1.53 1.43 1.34 1.26 1.19
0.88	SGN	7.41 6.59 5.93 5.39 4.94 4.56 4.24 3.95 3.71 3.49 3.30 3.12 2.97 2.82 2.70 2.59 2.47 2.37 2.27 2.17 2.08 1.98 1.87 1.76 1.65 1.54 1.43
	SGU L/160	7.41 6.59 5.93 5.39 4.94 4.56 4.24 3.95 3.71 3.49 3.30 3.12 2.97 2.82 2.70 2.59 2.47 2.37 2.27 2.17 2.08 1.98 1.87 1.76 1.65 1.54 1.43
	SGU L/200	7.41 6.59 5.93 5.39 4.94 4.56 4.24 3.95 3.71 3.49 3.30 3.12 2.97 2.82 2.70 2.59 2.47 2.37 2.27 2.17 2.08 1.98 1.87 1.76 1.65 1.54 1.43
1.00	SGN	9.62 8.55 7.69 6.99 6.41 5.92 5.49 5.13 4.81 4.52 4.26 3.94 3.63 3.36 3.10 3.04 2.89 2.68 2.51 2.31 2.15 2.01 1.88 1.77 1.66 1.57
	SGU L/160	9.62 8.55 7.69 6.99 6.41 5.92 5.49 5.13 4.81 4.52 4.26 3.94 3.63 3.36 3.10 3.04 2.89 2.68 2.51 2.31 2.15 2.01 1.88 1.77 1.66 1.57
	SGU L/200	9.62 8.55 7.69 6.99 6.41 5.92 5.49 5.13 4.81 4.52 4.26 3.94 3.63 3.36 3.10 3.04 2.89 2.68 2.51 2.31 2.15 2.01 1.88 1.77 1.66 1.57
1.15	SGN	12.74 11.32 10.19 9.26 8.48 7.84 7.28 6.73 6.37 5.99 5.66 5.36 5.05 4.85 4.46 4.34 4.19 3.96 3.71 3.44 3.24 3.08 2.93 2.78 2.63 2.50
	SGU L/160	12.74 11.32 10.19 9.26 8.48 7.84 7.28 6.73 6.37 5.99 5.66 5.36 5.05 4.85 4.46 4.34 4.19 3.96 3.71 3.44 3.24 3.08 2.93 2.78 2.63 2.50
	SGU L/200	12.74 11.32 10.19 9.26 8.48 7.84 7.28 6.73 6.37 5.99 5.66 5.36 5.05 4.85 4.46 4.34 4.19 3.96 3.71 3.44 3.24 3.08 2.93 2.78 2.63 2.50
1.25	SGN	15.04 13.37 12.03 10.94 10.03 9.26 8.60 8.02 7.52 7.08 6.69 6.33 5.93 5.38 4.99 4.42 3.80 3.51 3.26 3.03 2.82 2.64 2.47 2.32 2.18 2.05
	SGU L/160	15.04 13.37 12.03 10.94 10.03 9.26 8.60 8.02 7.52 7.08 6.69 6.33 5.93 5.38 4.99 4.42 3.80 3.51 3.26 3.03 2.82 2.64 2.47 2.32 2.18 2.05
	SGU L/200	15.04 13.37 12.03 10.94 10.03 9.26 8.60 8.02 7.52 7.08 6.69 6.33 5.93 5.38 4.99 4.42 3.80 3.51 3.26 3.03 2.82 2.64 2.47 2.32 2.18 2.05
1.50	SGN	21.59 19.19 17.27 15.70 14.39 13.28 12.33 11.51 10.79 11.6 9.14 8.20 7.40 6.71 6.12 5.60 5.14 4.74 4.38 4.06 3.76 3.52 3.29 3.08 2.89 2.72 2.56
	SGU L/160	21.59 19.19 17.27 15.70 14.39 13.28 12.33 11.51

S280 GD

Size of Number of spans:	Positive		support: 60 - 60																										
	Thickness Jm [cm]	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50
0.60	204.21	SGU L00	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.16	1.11	1.06	1.02	0.99	0.95	0.92	0.86	0.80	0.83	0.81	0.78	0.76
	219.01	SGU L00	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.16	1.11	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
	204.21	SGU L200	3.33	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.57	1.48	1.40	1.33	1.27	1.16	1.11	0.89	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
0.70	245.24	SGU L00	3.14	2.96	2.66	2.42	2.22	2.05	1.90	1.77	1.66	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
	255.51	SGU L00	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.13	1.07	1.01
	204.21	SGU L200	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	2.05	1.94	1.85	1.76	1.68	1.61	1.54	1.48	1.42	1.37	1.32	1.27	1.23	1.19	1.13	1.07	1.01
0.75	263.30	SGU L00	4.62	4.10	3.69	3.36	3.08	2.84	2.64	2.46	2.31	2.17	1.99	1.72	1.09	0.95	0.83	0.72	0.59	0.56	0.50	0.44	0.39	0.36	0.30	0.27	0.24	0.22	0.20
	273.76	SGU L00	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.37	2.24	2.13	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	204.21	SGU L200	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.84	2.67	2.51	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36
0.80	286.60	SGU L00	5.33	4.74	4.27	3.88	3.55	3.28	3.05	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24
	292.01	SGU L00	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.13	2.05	1.95	1.88	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19
	204.21	SGU L200	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.71	2.57	2.44	2.32	2.22	2.13	2.05	1.95	1.88	1.81	1.74	1.64	1.53	1.43	1.34	1.26	1.19
0.88	316.73	SGU L00	6.10	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05	2.87	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38
	321.21	SGU L00	7.41	6.59	5.93	5.39	4.94	4.56	4.24	3.95	3.71	3.49	3.30	3.12	2.97	2.82	2.70	2.58	2.47	2.37	2.28	2.12	1.97	1.84	1.72	1.6			

S320 GD

Size	Positive																												
	Number of spans: 1	support: 60 - 60																											
(Thickness) J_x [cm]	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50	
0.60	SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.09	1.05	1.02	0.98	0.95	0.92	0.89	0.86	0.83	0.80
	SGU L/20	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38	
	SGU L/30	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.01	0.89	0.79	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	
0.70	SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.69	1.44	1.23	0.95	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19	
	SGU L/20	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.14	
	SGU L/30	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.14	
0.75	SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.14	
	SGU L/20	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.14	
	SGU L/30	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.19	1.14	
0.80	SGN	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23	
	SGU L/20	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23	
	SGU L/30	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23	
0.88	SGN	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.17	2.09	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35	
	SGU L/20	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.17	2.09	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35	
	SGU L/30	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3																		

S320 GD

Size of Thickness	Positive		support: 60 - 60																										
	Number of spans: 1	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.09	1.05	1.02	0.98	0.95	0.92	0.88	0.84	0.81
	202.30	SGU L1/50	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.09	1.02	0.98	0.95	0.92	0.88	0.84	0.81	
	219.01	SGU L2/50	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29
		SGU L3/50	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.69	1.44	1.23	0.95	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
0.70		SGN	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.78	1.59	1.42	1.24	1.08	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	240.90	SGU L1/50	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.78	1.59	1.42	1.24	1.08	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
	255.51	SGU L2/50	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.78	1.59	1.42	1.24	1.08	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
		SGU L3/50	4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.64	2.07	1.75	1.48	1.27	1.09	0.95	0.83	0.74	0.64	0.56	0.50	0.45	0.40	0.36	0.33	0.30	0.27	0.24	0.22
0.75		SGN	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.41	1.31	1.23	1.16
	259.97	SGU L1/50	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.41	1.31	1.23	1.16
	273.76	SGU L2/50	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.07	1.98	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.41	1.31	1.23	1.16
		SGU L3/50	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.25	2.71	2.26	1.89	1.67	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26
0.80		SGN	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.17	2.09	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35
	282.23	SGU L1/50	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.17	2.09	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35

S320 GD

Z00-2	Positive	
	Number of spans: 1	support: 60-60
Thickness Jx [cm]	Case	2.00 2.25 2.50 2.75 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 7.25 7.50 7.75 8.00 8.25 8.50
0.60	SGN	3.56 3.16 2.84 2.59 2.37 2.19 2.03 1.90 1.78 1.67 1.58 1.50 1.42 1.35 1.29 1.24 1.19 1.14 1.09 1.05 1.02 0.98 0.95 0.92 0.89 0.86 0.84
	SGU L1/50	3.56 3.16 2.84 2.59 2.37 2.19 2.03 1.90 1.78 1.67 1.58 1.50 1.42 1.35 1.29 1.24 1.19 1.14 1.09 1.05 1.02 0.98 0.95 0.92 0.89 0.86 0.84
	SGU L2/50	3.56 3.16 2.84 2.59 2.37 2.19 2.03 1.90 1.78 1.67 1.58 1.50 1.32 1.15 1.01 0.89 0.79 0.70 0.63 0.56 0.51 0.46 0.42 0.38 0.34 0.31 0.28
0.70	SGN	3.56 3.16 2.84 2.59 2.37 2.19 2.03 1.90 1.69 1.44 1.23 1.05 0.91 0.79 0.70 0.61 0.54 0.48 0.43 0.38 0.34 0.31 0.28 0.25 0.23 0.21 0.19
	SGU L1/50	4.93 4.39 3.95 3.59 3.29 3.04 2.82 2.63 2.47 2.32 2.19 2.08 1.97 1.88 1.79 1.72 1.64 1.58 1.52 1.46 1.41 1.36 1.32 1.27 1.23 1.19 1.12
	SGU L2/50	4.93 4.39 3.95 3.59 3.29 3.04 2.82 2.63 2.47 2.32 2.19 2.08 1.97 1.79 1.58 1.40 1.24 1.11 0.99 0.89 0.80 0.72 0.65 0.59 0.54 0.49 0.45
0.75	SGN	5.70 5.07 4.56 4.15 3.80 3.51 3.26 3.04 2.85 2.68 2.53 2.40 2.28 2.17 2.07 1.98 1.90 1.82 1.75 1.69 1.63 1.57 1.52 1.47 1.39 1.31 1.23
	SGU L1/50	5.70 5.07 4.56 4.15 3.80 3.51 3.26 3.04 2.85 2.68 2.53 2.40 2.24 2.17 2.07 1.93 1.72 1.53 1.39 1.19 1.07 0.95 0.86 0.77 0.70 0.63 0.57 0.52 0.48
	SGU L2/50	5.70 5.07 4.56 4.15 3.80 3.51 3.26 3.04 2.85 2.68 2.53 2.40 2.17 1.51 1.32 1.16 1.02 0.90 0.80 0.72 0.64 0.58 0.52 0.47 0.43 0.39 0.36
0.80	SGN	5.70 5.07 4.56 4.15 3.80 3.51 3.26 3.04 2.85 2.68 2.53 2.40 2.17 1.51 1.32 1.16 1.02 0.90 0.80 0.72 0.64 0.58 0.52 0.47 0.43 0.39 0.36
	SGU L1/50	6.52 5.79 5.21 4.74 4.34 4.01 3.72 3.48 3.26 3.07 2.90 2.74 2.61 2.48 2.37 2.27 2.17 2.09 2.00 1.93 1.86 1.80 1.73 1.62 1.52 1.43 1.35
	SGU L2/50	6.52 5.79 5.21 4.74 4.34 4.01 3.72 3.48 3.26 3.07 2.90 2.74 2.44 2.13 1.86 1.63 1.44 1.28 1.14 1.02 0.92 0.82 0.74 0.67 0.61 0.56 0.51
0.88	SGN	6.52 5.79 5.21 4.74 4.34 4.01 3.72 3.48 3.26 3.07 2.90 2.74 2.61 2.48 2.37 2.27 2.17 2.09 2.00 1.93 1.86 1.80 1.73 1.62 1.52 1.43 1.35
	SGU L1/50	6.52 5.79 5.21 4.74 4.34 4.01 3.72 3.48 3.26 3.07 2.90 2.74 2.61 2.48 2.37 2.27 2.17 2.09 2.00 1.93 1.86 1.80 1.73 1.62 1.52 1.43 1.35
	SGU L2/50	6.52 5.79 5.21 4.74 4.34 4.01 3.72 3.48 3.26 3.07 2.90 2.74 2.61 2.48 2.37 2.27 2.17 2.09 2.00 1.93 1.86 1.80 1.73 1.62 1.52 1.43 1.35
1.00	SGN	10.28 9.14 8.22 7.48 6.85 6.33 5.87 5.48 5.14 4.84 4.57 4.33 4.11 3.92 3.74 3.58 3.43 3.29 3.05 2.82 2.63 2.45 2.29 2.14 2.01 1.89 1.76
	SGU L1/50	10.28 9.14 8.22 7.48 6.85 6.33 5.87 5.48 5.14 4.84 4.57 4.33 4.11 3.92 3.74 3.58 3.43 3.29 3.05 2.82 2.63 2.45 2.29 2.14 2.01 1.89 1.76
	SGU L2/50	10.28 9.14 8.22 7.48 6.85 6.33 5.87 5.48 5.14 4.84 4.57 4.33 4.11 3.92 3.74 3.58 3.43 3.29 3.05 2.82 2.63 2.45 2.29 2.14 2.01 1.89 1.76
1.15	SGN	13.62 12.10 10.89 9.90 9.08 8.38 7.78 7.26 6.81 6.41 6.05 5.73 5.45 5.19 4.98 4.62 4.24 3.91 3.62 3.35 3.12 2.91 2.72 2.54 2.39 2.24 2.11
	SGU L1/50	13.62 12.10 10.89 9.90 9.08 8.38 7.78 7.26 6.81 6.41 6.05 5.73 5.45 5.19 4.98 4.62 4.24 3.91 3.62 3.35 3.12 2.91 2.72 2.54 2.39 2.24 2.11
	SGU L2/50	13.62 12.10 10.89 9.90 9.08 8.38 7.78 7.26 6.81 6.41 6.05 5.73 5.45 5.19 4.98 4.62 4.24 3.91 3.62 3.35 3.12 2.91 2.72 2.54 2.39 2.24 2.11
1.25	SGN	16.08 14.29 12.87 11.70 10.72 9.90 9.19 8.58 8.04 7.57 7.15 6.77 6.43 6.13 5.93 5.12 4.70 4.33 4.00 3.71 3.45 3.22 3.01 2.82 2.64 2.49 2.34
	SGU L1/50	16.08 14.29 12.87 11.70 10.72 9.90 9.19 8.58 8.04 7.57 7.15 6.77 6.43 6.13 5.93 5.12 4.70 4.33 4.00 3.71 3.45 3.22 3.01 2.82 2.64 2.49 2.34
	SGU L2/50	16.08 14.29 12.87 11.70 10.72 9.90 9.19 8.58 8.04 7.57 7.15 6.77 6.43 6.13 5.93 5.12 4.70 4.33 4.00 3.71 3.45 3.22 3.01 2.82 2.64 2.49 2.34
1.50	SGN	23.08 20.51 18.46 16.78 15.38 14.20 13.19 11.

S320 GD

No. of nodes	Positive	
	Number of spans: 1	support: 60 - 60
Thickness: Jv [cm]	Case	2.00 2.25 2.50 2.75 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 7.25 7.50 7.75 8.00 8.25 8.50
0.60	SGN	3.56 3.16 2.84 2.59 2.37 2.19 2.03 1.90 1.78 1.67 1.58 1.50 1.42 1.35 1.29 1.24 1.19 1.14 1.09 1.05 1.02 0.98 0.95 0.92 0.89 0.86 0.84
	SGU/L1/50	3.56 3.16 2.84 2.59 2.37 2.19 2.03 1.90 1.78 1.67 1.58 1.50 1.42 1.35 1.29 1.24 1.19 1.14 1.09 1.05 1.02 0.98 0.95 0.92 0.89 0.86 0.84
	SGU/L2/50	3.56 3.16 2.84 2.59 2.37 2.19 2.03 1.90 1.78 1.67 1.58 1.50 1.32 1.15 1.01 0.89 0.79 0.70 0.63 0.56 0.51 0.46 0.42 0.38 0.34 0.31 0.29
0.70	SGN	3.56 3.16 2.84 2.59 2.37 2.19 2.03 1.90 1.69 1.44 1.29 1.05 0.91 0.79 0.61 0.54 0.48 0.43 0.38 0.34 0.31 0.28 0.25 0.23 0.21 0.19
	SGU/L1/50	4.43 3.95 3.95 3.59 3.29 3.04 2.82 2.63 2.47 2.32 2.19 2.08 1.97 1.88 1.79 1.72 1.64 1.58 1.52 1.46 1.41 1.36 1.32 1.27 1.23 1.19 1.12
	SGU/L2/50	4.43 3.95 3.95 3.59 3.29 3.04 2.82 2.63 2.47 2.32 2.19 2.08 1.97 1.88 1.79 1.72 1.64 1.58 1.52 1.46 1.41 1.36 1.32 1.27 1.23 1.19 1.12
0.75	SGN	4.93 4.39 3.95 3.59 3.29 3.04 2.82 2.63 2.47 2.32 2.19 2.08 1.97 1.88 1.79 1.72 1.64 1.58 1.52 1.46 1.41 1.36 1.32 1.27 1.23 1.19 1.12
	SGU/L1/50	5.70 5.07 4.56 4.15 3.80 3.51 3.26 3.04 2.85 2.68 2.53 2.40 2.28 2.17 2.07 1.98 1.90 1.82 1.75 1.68 1.63 1.57 1.52 1.47 1.33 1.31 1.23
	SGU/L2/50	5.70 5.07 4.56 4.15 3.80 3.51 3.26 3.04 2.85 2.68 2.53 2.40 2.24 2.14 1.97 1.73 1.52 1.35 1.19 1.07 0.95 0.86 0.77 0.70 0.63 0.57 0.52 0.48
0.80	SGN	5.70 5.07 4.56 4.15 3.80 3.51 3.26 3.04 2.85 2.68 2.53 2.40 2.14 1.71 1.51 1.32 1.16 1.02 0.90 0.84 0.72 0.64 0.58 0.52 0.47 0.43 0.39 0.36
	SGU/L1/50	5.70 5.07 4.56 4.15 3.80 3.51 3.26 3.04 2.85 2.68 2.53 2.40 2.17 1.96 1.73 1.52 1.35 1.19 1.07 0.95 0.86 0.77 0.70 0.63 0.57 0.52 0.48
	SGU/L2/50	5.70 5.07 4.56 4.15 3.80 3.51 3.26 3.04 2.85 2.68 2.53 2.40 2.17 1.96 1.73 1.52 1.35 1.19 1.07 0.95 0.86 0.77 0.70 0.63 0.57 0.52 0.48
0.88	SGN	6.52 5.79 5.21 4.74 4.34 4.01 3.72 3.48 3.26 3.07 2.90 2.74 2.61 2.48 2.37 2.27 2.17 2.09 2.00 1.93 1.86 1.78 1.62 1.52 1.43 1.35 1.35
	SGU/L1/50	6.52 5.79 5.21 4.74 4.34 4.01 3.72 3.48 3.26 3.07 2.90 2.74 2.61 2.48 2.37 2.27 2.17 2.09 2.00 1.93 1.86 1.78 1.62 1.52 1.43 1.35 1.35
	SGU/L2/50	6.52 5.79 5.21 4.74 4.34 4.01 3.72 3.48 3.26 3.07 2.90 2.74 2.61 2.48 2.37 2.27 2.17 2.09 2.00 1.93 1.86 1.78 1.62 1.52 1.43 1.35 1.35
0.98	SGN	7.93 7.05 6.34 5.76 5.28 4.88 4.53 4.23 3.96 3.73 3.52 3.41 3.27 3.12 3.02 2.86 2.76 2.64 2.54 2.44 2.33 2.24 2.09 1.95 1.83 1.72 1.62 1.52
	SGU/L1/50	7.93 7.05 6.34 5.76 5.28 4.88 4.53 4.23 3.96 3.73 3.52 3.41 3.27 3.12 3.02 2.86 2.76 2.64 2.54 2.44 2.33 2.24 2.09 1.95 1.83 1.72 1.62 1.52
	SGU/L2/50	7.93 7.05 6.34 5.76 5.28 4.88 4.53 4.23 3.96 3.73 3.52 3.41 3.27 3.12 3.02 2.86 2.76 2.64 2.54 2.44 2.33 2.24 2.09 1.95 1.83 1.72 1.62 1.52
1.00	SGN	10.28 9.14 8.22 7.48 6.85 6.33 5.87 5.48 5.14 4.84 4.63 4.34 4.13 3.92 3.74 3.58 3.43 3.29 3.05 2.82 2.63 2.45 2.29 2.14 2.01 1.89 1.78
	SGU/L1/50	10.28 9.14 8.22 7.48 6.85 6.33 5.87 5.48 5.14 4.84 4.63 4.34 4.13 3.92 3.74 3.58 3.43 3.29 3.05 2.82 2.63 2.45 2.29 2.14 2.01 1.89 1.78
	SGU/L2/50	10.28 9.14 8.22 7.48 6.85 6.33 5.87 5.48 5.14 4.84 4.63 4.34 4.13 3.92 3.74 3.58 3.43 3.29 3.05 2.82 2.63 2.45 2.29 2.14 2.01 1.89 1.78
1.15	SGN	13.62 12.10 10.89 9.90 9.08 8.56 8.56 8.32 7.97 7.53 7.25 6.81 6.41 6.06 5.73 5.45 5.18 4.95 4.62 4.24 3.91 3.62 3.35 3.12 2.91 2.74 2.59 2.34 2.12
	SGU/L1/50	13.62 12.10 10.89 9.90 9.08 8.56 8.56 8.32 7.97 7.53 7.25 6.81 6.41 6.06 5.73 5.45 5.18 4.95 4.62 4.24 3.91 3.62 3.35 3.12 2.91 2.74 2.59 2.34 2.12
	SGU/L2/50	13.62 12.10 10.89 9.90 9.08 8.56 8.56 8.32 7.97 7.53 7.25 6.81 6.41 6.06 5.73 5.45 5.18 4.95 4.62 4.24 3.91 3.62 3.35 3.12 2.91 2.74 2.59 2.34 2.12
1.25	SGN	16.08 14.29 12.87 1

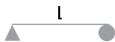
S320 GD

Number of spans	1	Positive																											
		support: 60 - 60																											
Thickness	Jx [cm ⁴]	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50
0.60		SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
202.30		SGU L150	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38
219.01		SGU L300	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.78	1.67	1.58	1.50	1.42	1.35	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.42	0.38	0.34	0.29
0.70		SGN	3.56	3.16	2.84	2.59	2.37	2.19	2.03	1.90	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19
240.90		SGU L150	4.39	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.79	1.58	1.44	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
255.51		SGU L300	4.39	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.79	1.58	1.44	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45
0.75		SGN	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.02	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23	1.15
259.97		SGU L150	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.02	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23	1.15
273.76		SGU L300	5.70	5.07	4.56	4.15	3.80	3.51	3.26	3.04	2.85	2.68	2.53	2.40	2.28	2.17	2.02	1.90	1.82	1.75	1.69	1.63	1.57	1.52	1.47	1.39	1.31	1.23	1.15
0.80		SGN	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.19	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35	1.35
282.23		SGU L150	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.90	2.74	2.61	2.48	2.37	2.27	2.19	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35	1.35
292.01		SGU L300	6.52	5.79	5.21	4.74	4.34	4.01	3.72	3.48	3.26	3.07	2.93	2.74	2.61	2.48	2.37	2.27	2.19	2.00	1.93	1.86	1.80	1.73	1.62	1.52	1.43	1.35	1.35
0.88		SGN	6.52	5.79	5.21	4.74	4.34	4.01	3.53	2.92	2.42	2.03	1.77	1.46	1.26	1.08	0.94	0.83	0.73	0.64	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.28	0.25
313.34		SGU L150	7.93	7.05	6.34	5.76	5.28	4.88	4.53	4.23	3.96	3.73	3.52	3.41	3.27	3.06	2.86	2.61	1.80	1.41	1.26	1.12	1.01	0.91	0.82	0.74			

S350 GD

Size	Number of spans: 1	Positive																											
		support: 60 - 60																											
Thickness Jx [cm]	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50	
	SGN	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88	0.86
198.48	SGU L/150	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38	
	SGU L/200	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.32	1.15	1.01	0.89	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29	0.27	
237.12	SGN	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19	
	SGU L/150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.21	
255.51	SGU L/200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.33	2.17	2.04	1.79	1.58	1.40	1.24	1.11	0.98	0.89	0.80	0.73	0.66	0.60	0.54	0.49	0.45	
	SGU L/300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.13	1.84	1.60	1.38	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.48	0.44	0.40	0.37	0.34	
258.44	SGN	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.31	
	SGU L/150	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48	
273.76	SGU L/200	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.71	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36	
	SGU L/300	5.96	5.30	4.77	4.34	3.97	3.67	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24	
277.23	SGN	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.48	2.37	2.27	2.18	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.41	1.31
	SGU L/150	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.44	2.13	1.86	1.63	1.44	1.28	1.14	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51	
292.01	SGU L/200	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	2.95	2.53	2.17	1.86	1.62	1.41	1.24	1.09	0.96	0.85	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38	
	SGU L/300	6.81	6.06	5.45	4.96</																								

T130

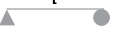


N130-v2			Negative																											
Number of spans: 1			support: 60 - 60																											
Thickness λ_x [cm4]	Case		200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750	775	800	825	850	
0.60	SGN		3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.21	1.12	1.08	1.04	1.00	0.97	0.94	0.91	0.88	0.85	0.83		
	20.770 SGU L1/50		3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.40	1.34	1.28	1.17	1.05	0.94	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.38	
	218.80 SGU L2/00		3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.75	1.65	1.56	1.48	1.34	1.18	1.04	0.91	0.81	0.71	0.64	0.57	0.51	0.46	0.42	0.38	0.34	0.31	0.29	
0.70	SGU L3/00		3.51	3.12	2.81	2.55	2.34	2.16	2.00	1.87	1.74	1.68	1.26	1.08	0.93	0.80	0.70	0.62	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19	
	SGN		4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.88	1.79	1.72	1.64	1.58	1.52	1.46	1.41	1.36	1.32	1.27	1.23	1.20	1.16	
	247.55 SGU L2/00		4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.97	1.84	1.61	1.42	1.26	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.50	0.45	
0.75	SGU L3/00		4.93	4.39	3.95	3.59	3.29	3.04	2.82	2.63	2.47	2.32	2.19	2.08	1.92	1.62	1.41	1.23	1.08	0.95	0.84	0.75	0.67	0.60	0.54	0.48	0.44	0.40	0.35	
	SGN		5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.31	2.20	2.10	2.01	1.92	1.85	1.78	1.71	1.65	1.59	1.54	1.49	1.44	1.40	1.33	
	266.46 SGU L1/50		5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.29	1.99	1.75	1.53	1.35	1.20	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48	
0.80	SGU L3/00		5.77	5.13	4.62	4.20	3.85	3.55	3.30	3.08	2.89	2.72	2.56	2.43	2.30	1.75	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	
	SGN		6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.68	2.55	2.43	2.33	2.23	2.14	2.06	1.98	1.91	1.85	1.79	1.73	1.64	1.56	1.45	
	286.18 SGU L1/50		6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.67	2.51	2.37	1.84	1.65	1.48	1.24	1.02	0.92	0.82	0.74	0.67	0.61	0.56	0.51	
0.88	SGU L3/00		6.70	5.95	5.36	4.87	4.47	4.12	3.83	3.57	3.35	3.01	2.55	2.18	1.87	1.62	1.41	1.24	1.08	0.96	0.86	0.77	0.69	0.62	0.56	0.51	0.46	0.42	0.38	
	SGN		7.82	6.97	6.33	5.83	5.43	5.09	4.76	4.42	4.12	3.83	3.57	3.35	3.15	2.98	2.82	2.68	2.55	2.43	2.33	2.23	2.14	2.06	1.98	1.91	1.85	1.79	1.73	1.64
	316.29 SGU L1/50		8.29	7																										



S350 GD

T130



N130-42		Positive support: 60 - 60																											
Number of spans: 1																													
Thickness [x cm]	Case	2.00	2.25	2.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50	
0.60	SGN	3.72	3.31	2.98	2.70	2.48	3.29	3.25	3.18	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88
198.48	SGU L1/50	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.50	0.45	0.42	0.38	
219.01	SGU L3/30	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.50	1.32	1.15	1.01	0.89	0.79	0.70	0.63	0.56	0.51	0.46	0.42	0.38	0.34	0.31	0.29	
	SGU L3/60	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.69	1.44	1.23	1.05	0.91	0.79	0.70	0.61	0.54	0.48	0.43	0.38	0.34	0.31	0.28	0.25	0.23	0.21	0.19	
	SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.20	
237.12	SGU L1/50	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.04	1.79	1.58	1.36	1.24	1.11	0.99	0.89	0.80	0.72	0.65	0.59	0.54	0.49	0.45	
255.51	SGU L2/30	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.13	1.84	1.60	1.39	1.22	1.07	0.95	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34	
	SGU L3/30	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.14	1.81	1.56	1.36	1.19	1.04	0.93	0.84	0.75	0.67	0.60	0.54	0.49	0.44	0.40	0.37	0.34	
	SGN	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.33	
258.44	SGU L1/50	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48	
273.76	SGU L2/30	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.71	2.34	2.01	1.74	1.51	1.32	1.16	1.02	0.90	0.80	0.72	0.64	0.58	0.52	0.47	0.43	0.39	0.36	
	SGU L3/30	5.96	5.30	4.77	4.34	3.97	3.67	3.25	2.71	2.26	1.89	1.60	1.37	1.18	1.02	0.88	0.77	0.68	0.60	0.54	0.48	0.43	0.39	0.35	0.32	0.29	0.26	0.24	
	SGN	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.48	2.37	2.27	2.18	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45	
277.23	SGU L1/50	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.74	2.63	2.51	2.43	2.34	2.28	2.22	2.16	2.10	2.04	1.98	1.92	1.86	1.80	1.73	
292.01	SGU L2/30	6.81	6.06																										



S350 GD

S350 GD

T (°C)	No. of spans:	Positive		1 support: 60 - 60																								
		Thickness Jx [cm]	Case																									
0.60	SGN	2.00	2.25	5.50	2.75	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	7.25	7.50	7.75	8.00	8.25	8.50
	196.48 SGN U150	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.48	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88
	219.01 SGN U150	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88
	SGU L300	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.50	1.42	1.35	1.29	1.24	1.19	1.14	1.10	1.06	1.03	0.99	0.96	0.93	0.90	0.88
	SGU L300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.41	1.38	1.33	1.29	1.25	1.21
0.70	237.12 SGN U150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.41	1.38	1.33	1.29	1.25	1.21
	255.51 SGN U200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.41	1.38	1.33	1.29	1.25	1.21
	SGU L300	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.29	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.41	1.38	1.33	1.29	1.25	1.21
	SGU L300	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	273.76 SGN U200	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
0.80	SGU L300	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.24	1.97	1.73	1.52	1.35	1.19	1.07	0.95	0.86	0.77	0.70	0.63	0.57	0.52	0.48
	SGN	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.49	2.37	2.27	2.19	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45
	277.23 SGN U150	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.49	2.37	2.27	2.19	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45
	292.01 SGN U200	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.49	2.37	2.27	2.19	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45
	SGU L300	6.81	6.06	5.45	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.49	2.37	2.27	2.19	2.10	2.02	1.95	1.88	1.82	1.75	1.64	1.54	1.45
0.88	SGN	8.29	7.37	6.63	6.03	5.53	5.																					

S350 GD

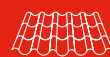
Size of V2	Positive		Support: 50 - 60																											
	Number of spans: 1		Thickness Xj [cm]																											
	Case	SGN	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	
0.60	198.48	SGU L150	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.49	0.42	0.38	0.35	0.31
	219.01	SGU L200	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.49	0.42	0.38	0.35	0.31
		SGU L300	3.72	3.31	2.98	2.70	2.48	2.29	2.13	1.98	1.86	1.75	1.65	1.57	1.49	1.42	1.29	1.15	1.02	0.91	0.82	0.73	0.66	0.60	0.55	0.49	0.42	0.38	0.35	0.31
0.70		SGN	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.28	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.20	
	237.12	SGU L150	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.28	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.20	
	255.51	SGU L200	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58	2.43	2.28	2.17	2.06	1.97	1.88	1.79	1.72	1.65	1.59	1.53	1.47	1.42	1.38	1.33	1.29	1.25	1.20	
0.75		SGN	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.33	
	258.44	SGU L150	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.33	
	273.76	SGU L200	5.96	5.30	4.77	4.34	3.97	3.67	3.41	3.18	2.98	2.81	2.65	2.51	2.38	2.27	2.17	2.07	1.99	1.91	1.83	1.77	1.70	1.64	1.59	1.54	1.49	1.41	1.33	
0.80		SGN	6.81	6.06	5.47	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.49	2.38	2.27	2.19	2.10	2.02	1.98	1.88	1.80	1.75	1.69	1.62	1.55	
	277.23	SGU L150	6.81	6.06	5.47	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.49	2.38	2.27	2.19	2.10	2.02	1.98	1.88	1.80	1.75	1.69	1.62	1.55	
	292.01	SGU L200	6.81	6.06	5.47	4.96	4.54	4.19	3.89	3.63	3.41	3.21	3.03	2.87	2.73	2.60	2.49	2.38	2.27	2.19	2.10	2.02	1.98	1.88	1.80	1.75	1.69	1.62	1.55	
0.88		SGN	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	349	332	316	301	288	276	265	255	246	237	228	213	199	187	176	166	
	309.33	SGU L150	8.29	7.37	6.63	6.03	5.53	5.10	4.74	4.42	4.14	3.90	3.68	349	332	316	301	288	276	265	255	246	237	228	213	199	187	176		



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