

Soundfloor Joist Chart

Supercoat

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Timber Joists for Supercrete™ Soundfloor Table 1

						1.5 l	kPa Liv	e Load	ı						
Framing Type	Dry	No. 1 & M	SG6	Dry	VSG8 & M			'SG10 & M	-	ı	Ory MSG12	2		Dry MSG1	5
rialling Type	Joist	Spacing (mm)	Joist	Spacing (mm)									
Span (m)	360	450	600	360	450	600	360	450	600	360	450	600	360	450	600
1.2	90 x 35	90 x 35	90 x 45	90 x 35	90 x 35	90 x 45	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 3
1.5	140 x 45	140 x 45	140 x 45	90 x 45	140 x 45	140 x 45	90 x 45	90 x 45	140 x 45	90 x 35	90 x 35	90 x 45	90 x 35	90 x 35	90 x 3
1.8	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	90 x 45	140 x 45	140 x 45	90 x 45	90 x 45	140 x 4
2.1	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 4
2.4	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 4
2.7	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 4
3 .0	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 4
3.3	240 x 45	240 x 45	290 x 45	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 4
3 .6	240 x 45	290 x 45		240 x 45	240 x 45	290 x 45	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 4
3 .9	290 x 45			240 x 45	290 x 45		240 x 45	240 x 45	290 x 45	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 4
4.2				290 x 45			240 x 45	290 x 45		240 x 45	240 x 45	240 x 45	240 x 45	240 x 45	240 x 4
4 .5							290 x 45	290 x 45		240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 4
4.8										240 x 45	290 x 45			240 x 45	290 x 4

						2.0	kPa Liv	e Loac	l						
Framing Type	Dry	No. 1 & M	SG6	Dry	VSG8 & M	SG8	Dry \	/SG10 & M	SG10	1	Dry MSG1	2		Ory MSG1	5
rialling type	Joist	Spacing (mm)	Joist	Spacing ((mm)									
Span (m)	360	450	600	360	450	600	360	450	600	360	450	600	360	450	600
1.2	90 x 35	90 x 35	90 x 45	90 x 35	90 x 35	90 x 45	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35
1 .5	140 x 45	140 x 45	140 x 45	90 x 45	140 x 45	140 x 45	90 x 45	90 x 45	140 x 45	90 x 35	90 x 35	90 x 45	90 x 35	90 x 35	90 x 35
1.8	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	90 x 45	140 x 45	140 x 45	90 x 45	90 x 45	140 x 45
2.1	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45
2 .4	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	190 x 45
2.7	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45
3 .0	240 x 45	240 x 45	290 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45
3 .3	240 x 45	290 x 45		190 x 45	240 x 45	290 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45
3 .6	290 x 45			240 x 45	240 x 45		240 x 45	240 x 45	240 x 45	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45
3 .9				290 x 45			240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 45	190 x 45	240 x 45	240 x 45
4.2							240 x 45	290 x 45		240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 45
4 .5							290 x 45			240 x 45	290 x 45		240 x 45	240 x 45	290 x 45
4.8										290 x 45			240 x 45	290 x 45	290 x 45

						3.0	kPa Liv	e Loac	l						
Framing Type	Dry	No. 1 & M	SG6	Dry	VSG8 & M	SG8	Dry \	/SG10 & M	SG10		Ory MSG1	2		Ory MSG1	5
rraming type	Joist	Spacing (mm)												
Span (m)	360	450	600	360	450	600	360	450	600	360	450	600	360	450	600
1.2	90 x 45	90 x 45	140 x 45	90 x 35	90 x 35	90 x 45	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35	90 x 35
1 .5	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	90 x 45	140 x 45	140 x 45	90 x 35	90 x 45	140 x 45	90 x 35	90 x 35	90 x 45
1.8	140 x 45	190 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45
2.1	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 45
2.4	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45
2.7	190 x 45	240 x 45	290 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45
3 .0	240 x 45	290 x 45		190 x 45	240 x 45	290 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45
3 .3	290 x 45			240 x 45	290 x 45		240 x 45	240 x 45	240 x 45	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45
3 .6				290 x 45			240 x 45	240 x 45		240 x 45	240 x 45	240 x 45	190 x 45	240 x 45	240 x 45
3 .9							240 x 45	290 x 45		240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 45
4.2							290 x 45			240 x 45	290 x 45		240 x 45	240 x 45	290 x 45
4 .5										290 x 45			240 x 45	290 x 45	290 x 45
4.8										290 x 45			290 x 45	290 x 45	

NOTES

- These tables refer to Finds hadiata only.
 These tables are for single spans. Continuous joists over two or more spans may have allowable spans increased by 10%.
 Where a load-bearing wall runs parallel to the line of joists, the wall must be supported on double joists with a maximum width spacer of 50 mm between them.
 Where a load-bearing wall is perpendicular to the line of joists, the centre of the wall must be no more than 200 mm from the centre of the bearer supporting the joists.
 Cantilevered joists must be specifically designed.
- Joists with moisture content in excess of 16% must be propped until the moisture content is 16% or less.

- Where 35 mm thick joists are used, panel end joints must be on double joists. These tables allow for a ceiling dead load of 260 N/m2 (12 mm plasterboard on battens). These tables include the effect of a 1.8 kN concentrated live load as required by NZS 4203.

Timber Joists for Supercrete™ Soundfloor Table 2

						1.5	kPa Liv	e Load	I						
Framing Type	Dry	No. 1 & M	SG6	Dry	VSG8 & M			/SG10 & M	-		Ory MSG12	2		Ory MSG1	5
rrailing type	Joist	Spacing (mm)	Joist	Spacing (mm)									
Span (m)	360	450	600	360	450	600	360	450	600	360	450	600	360	450	600
1 .2	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	90 x 45	90 x 45	90 x 45	90 x 45	90 x 45	90 x 45
1.5	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 4
1.8	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 4
2.1	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 4
2.4	240 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 4
2.7	240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 45	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 4
3.0	290 x 45	290 x 45	290 x 45	240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 45	240 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 4
3.3	290 x 45	290 x 45		290 x 45	290 x 45	290 x 45	240 x 45	290 x 45	290 x 45	240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 4
3.6				290 x 45	290 x 45		290 x 45	290 x 45	290 x 45	240 x 45	290 x 45	290 x 45	240 x 45	240 x 45	290 x 4
3.9				290 x 45			290 x 45	290 x 45		290 x 45	290 x 45		240 x 45	290 x 45	290 x 4
4.2										290 x 45	290 x 45		290 x 45	290 x 45	
4 .5										290 x 45			290 x 45	290 x 45	
4.8													290 x 45		

						2.0	kPa Liv	e Loac	ł						
Framing Type	Dry	No. 1 & M	SG6	Dry	VSG8 & M	SG8	Dry \	'SG10 & M	ISG10	ı	Ory MSG1	2		Ory MSG1	5
rrailing type	Joist	Spacing (mm)												
Span (m)	360	450	600	360	450	600	360	450	600	360	450	600	360	450	600
1.2	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	90 x 45	90 x 45	140 x 45	90 x 45	90 x 45	90 x 45
1 .5	190 x 45	190 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45
1 .8	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	190 x 45
2.1	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45
2 .4	240 x 45	240 x 45	240 x 45	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45
2.7	240 x 45	290 x 45	290 x 45	240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 45	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45
3 .0	290 x 45	290 x 45		240 x 45	290 x 45	290 x 45	240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 45	240 x 45	240 x 45	240 x 45
3 .3	290 x 45			290 x 45	290 x 45		240 x 45	290 x 45	290 x 45	240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	290 x 45
3 .6				290 x 45			290 x 45	290 x 45		290 x 45	290 x 45	290 x 45	240 x 45	290 x 45	290 x 45
9. 8							290 x 45			290 x 45	290 x 45		290 x 45	290 x 45	
4.2										290 x 45			290 x 45	290 x 45	
4.5													290 x 45		
4.8															

						3.0 l	kPa Liv	e Load	I						
Evansina Tuna	Dry	No. 1 & M	SG6	Dry	VSG8 & M	ISG8	Dry \	'SG10 & M	SG10	ı	Ory MSG1	2		Ory MSG1	5
Framing Type	Joist	Spacing (mm)	Joist	Spacing ((mm)	Joist	Spacing (mm)	Joist	Spacing (mm)	Joist Spacing (mm)		
Span (m)	360	450	600	360	450	600	360	450	600	360	450	600	360	450	600
1.2	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	140 x 45	90 x 45	140 x 45	140 x 45	90 x 45	90 x 45	140 x 45
1.5	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	190 x 45	140 x 45	140 x 45	140 x 45
1.8	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	140 x 45	190 x 45	190 x 45
2.1	240 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45	190 x 45
2.4	240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 45	190 x 45	240 x 45	240 x 45	190 x 45	190 x 45	240 x 45	190 x 45	190 x 45	240 x 45
2.7	290 x 45	290 x 45		240 x 45	290 x 45	290 x 45	240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	240 x 45	190 x 45	240 x 45	240 x 45
3 .0	290 x 45			290 x 45	290 x 45		240 x 45	290 x 45	290 x 45	240 x 45	240 x 45	290 x 45	240 x 45	240 x 45	290 x 45
3.3				290 x 45			290 x 45	290 x 45		290 x 45	290 x 45	290 x 45	240 x 45	290 x 45	290 x 45
3 .6							290 x 45			290 x 45	290 x 45		290 x 45	290 x 45	290 x 45
3.9										290 x 45			290 x 45	290 x 45	
4.2													290 x 45		
4 .5															
4.8															

Steel Joists Profiles for Supercrete™ Soundfloor Table 3

		Minimu	ım Stee	l Joist :	Sizes fo	r L/250	Deflect	tion Ma	ximum	1	
	1.5 kPa L	ive Load			2.0 kPa L	ive Load			3.0 kPa L	ive Load	
. ()	Joi	st Spacing (m	nm)		Joi	st Spacing (m	nm)	5 ()	Joi	st Spacing (m	nm)
Span (m)	360	450	600	Span (m)	360	450	600	Span (m)	360	450	600
1.2	60 x .95 TH	60 x .95 TH	60 x .95 TH	1.2	100 x .75 TH	100 x .75TH	100 x .75 TH	1.2	60 x .95 TH	60 x .95 TH	60 x .95 TH
1.5	100 x .75 TH	100 x .75 TH	100 x .75 TH	1.5	100 x .75 TH	100 x .75TH	100 x .75 TH	1.5	100 x .75 TH	100 x .75 TH	100 x .75 TH
1.8	100 x .75 TH	100 x .75 TH	100 x .75 TH	1.8	100 x .75 TH	100 x .75TH	100 x .75 TH	1.8	100 x .75 TH	100 x .75 TH	100 x .75 TH
2.1	100 x .75 TH	100 x .75 TH	100 x .75 TH	2.1	100 x .75 TH	100 x .95 TH	120 x .95 TH	2.1	100 x .75 TH	100 x .75 TH	100 x .95 TH
2.4	100 x .75 TH	100 x .75 TH	100 x .95 TH	2.4	100 x .95 TH	120 x .95 TH	120 x .95 TH	2.4	100 x .95 TH	120 x .95 TH	120 x .95 TH
2.7	100 x .95 TH	100 x .95 TH	120 x .95 TH	2.7	120 x .95 TH	150 x .95 TH	150 x .95 TH	2.7	120 x .95 TH	120 x .95 TH	150 x .95 TH
3.0	120 x .95 TH	120 x .95 TH	150 x .95 TH	3.0	150 x .95 TH	150 x .95 TH	150 x .95 TH	3.0	150 x .95 TH	150 x .95 TH	150 x .95 TH
3.3	120 x .95 TH	150 x .95 TH	150 x .95 TH	3.3	150 x .95 TH	150 x .95 TH	150 x .95 TH	3.3	150 x .95 TH	150 x .95 TH	150/15 C
3.6	150 x .95 TH	150 x .95 TH	150 x 1.15 TH	3.6	150 x .95 TH	150 x 1.15 TH	150/15 C	3.6	150 x 1.15 TH	150/15 C	200/12 C
3.9	150 x .95 TH	150 x 1.15 TH	150/15 C	3.9	150 x 1.15 TH	150/15 C	150/18 C	3.9	150/15 C	200/12 C	200/12 C
4.2	150 x 1.15 TH	150/15 C	150/18 C	4.2	150/15 C	150/18 C	200/12 C	4.2	150/15 C	200/12 C	200/15 C
4.5	150/15 C	150/18 C	200/12 C	4.5	150/18 C	200/12 C	200/12 C	4.5	200/12 C	200/12 C	200/18 C
4.8	150/18 C	200/12 C	200/12 C	4.8	200/12 C	200/12 C	200/15 C	4.8	200/12 C	200/15 C	250/15 C
5.1	200/12 C	200/12 C	200/15 C	5.1	200/12 C	200/15 C	200/18 C	5.1	200/15 C	200/18 C	250/15 C
5.4	200/12 C	200/15 C	200/18 C	5.4	200/15 C	200/18 C	250/15 C	5.4	200/18 C	250/15 C	250/15 C
5.7	200/15 C	200/18 C	250/15 C	5.7	200/18 C	250/15 C	250/15 C	5.7	250/15 C	250/15 C	250/18 C
6.0	200/18 C	250/15 C	250/15 C	6.0	250/15 C	250/15 C	250/18 C	6.0	250/15 C	250/18 C	300/15 C
6.3	200/18 C	250/15 C	250/15 C	6.3	250/15 C	250/15 C	250/18 C	6.3	250/15 C	250/18 C	300/15 C
6.6	250/15 C	250/15 C	250/15 C	6.6	250/15 C	250/18 C	300/15 C	6.6	250/18 C	300/15 C	300/18 C
6.9	250/15 C	250/18 C	300/15 C	6.9	250/18 C	300/15 C	300/15 C	6.9	300/15 C	300/15 C	300/18 C
7.2	250/15 C	250/18 C	300/15 C	7.2	250/18 C	300/15 C	300/15 C	7.2	300/15 C	300/18 C	350/18 C
7.5	250/18 C	300/15 C	300/15 C	7.5	300/15 C	300/15 C	300/15 C	7.5	300/15 C	300/18 C	350/18 C
7.8	300/15C	300/15 C	300/18 C	7.8	300/15 C	300/18 C	350/18 C	7.8	300/18 C	350/18 C	350/18 C
8.1	300/15C	300/15 C	350/18 C	8.1	300/15 C	300/18 C	350/18 C	8.1	350/18 C	350/18 C	400/20 C
8.4	300/15C	300/18 C	350/18 C	8.4	300/18 C	350/18 C	350/18 C	8.4	350/18 C	350/18 C	400/20 C
8.7	300/18C	350/18 C	350/18 C	8.7	300/18 C	350/18 C	400/20 C	8.7	350/18 C	400/20 C	400/20 C
9.0	300/18C	350/18 C	350/18 C	9.0	350/18 C	350/18 C	400/20 C	9.0	350/18 C	400/20 C	400/20 C

NOTES

- 1) These Tables are for HST steel sections. TH refers to Top Hat sections and C refers to channel sections as shown on Table 5 below.
- 2) Short span sizes make allowance for a 1.8 kN concentrated load (as required by NZS 4203) where deflection or bending stress is higher with the
- concentrated load than the uniformly distributed load.

 3) These tables are for single spans. Continuous joists over two or more spans may have allowable spans increased by 10%.
- 4) Where a load-bearing wall runs parallel to the line of joists, wall must be supported on double joists with a maximum clear width of 50 mm between them.
- 5) Where a load-bearing wall is perpendicular to the line of joists, the centre of the wall must be no more than 200 mm from the centre of the bearer
- 6) Cantilevered joists must be specifically designed.7) These tables allow for a ceiling dead load of 260n/m2 (12 mm plasterboard on battens).

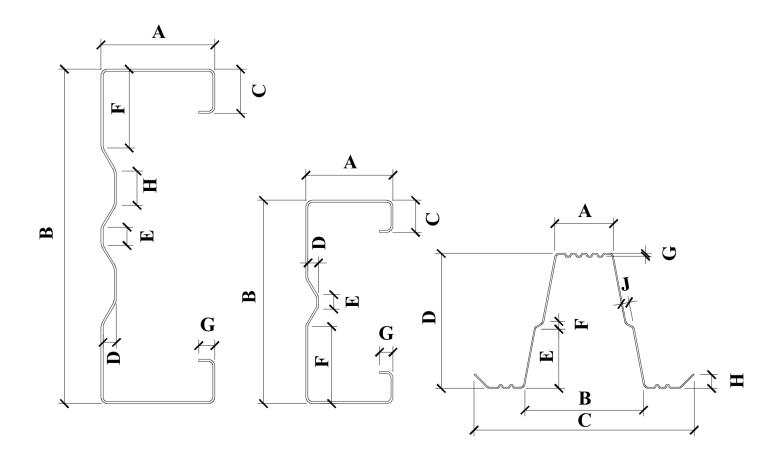
Steel Joists Profiles for Supercrete™ Soundfloor Table 4

		Minimu	ım Stee	l Joist	Sizes fo	r L/600	Deflect	tion Ma	ximum	1	
	1.5 kPa L	ive Load			2.0 kPa l	ive Load			3.0 kPa L	ive Load	
5 ()	Joi	st Spacing (n	nm)		Joi	st Spacing (m	nm)		Joi	st Spacing (m	nm)
Span (m)	360	450	600	Span (m)	360	450	600	Span (m)	360	450	600
1.2	100 x .75 TH	100 x .75 TH	100 x .75 TH	1.2	100 x .75 TH	100 x .75 TH	100 x .75 TH	1.2	100 x .75 TH	100 x .75 TH	100 x .75 TH
1.5	100 x .75 TH	100 x .75 TH	100 x .75 TH	1.5	100 x .75 TH	100 x .75 TH	100 x .75 TH	1.5	100 x .75 TH	100 x .75 TH	100 x .75 TH
1.8	100 x .95 TH	100 x .95 TH	120 x .95 TH	1.8	100 x .95 TH	100 x .95 TH	120 x .95 TH	1.8	100 x .95 TH	120 x .95 TH	120 x .95 TH
2.1	120 x .95 TH	120 x .95 TH	120 x .95 TH	2.1	120 x .95 TH	120 x .95 TH	150 x .95 TH	2.1	120 x .95 TH	150 x .95 TH	150 x .95 TH
2.4	120 x .95 TH	150 x .95 TH	150 x .95 TH	2.4	150 x .95 TH	150 x .95 TH	150 x .95 TH	2.4	150 x .95 TH	150 x .95 TH	150/15 C
2.7	150 x .95 TH	150 x .95 TH	150 x 1.15 TH	2.7	150 x .95 TH	150 x 1.15 TH	150/15 C	2.7	150 x 1.15 TH	150/15 C	200/12 C
3.0	150 x .95 TH	150 x 1.15 TH	150/15 C	3.0	150 x 1.15 TH	150/15 C	150/18 C	3.0	200/12 C	200/12 C	200/12 C
3.3	150/15 C	150/18 C	200/12 C	3.3	150/18 C	200/12 C	200/12 C	3.3	200/12 C	200/12 C	200/15 C
3.6	150/18 C	200/12 C	200/12 C	3.6	200/12 C	200/12 C	200/15 C	3.6	200/15 C	200/15 C	250/15 C
3.9	200/12 C	200/15 C	200/18 C	3.9	200/12 C	200/15 C	200/18 C	3.9	200/18 C	250/15 C	250/15 C
4.2	200/15 C	200/18 C	250/15 C	4.2	200/15 C	200/18 C	250/15 C	4.2	250/15 C	250/15 C	250/18 C
4.5	200/18 C	250/15 C	250/15 C	4.5	250/15 C	250/15 C	250/18 C	4.5	250/15 C	250/18 C	300/15 C
4.8	250/15 C	250/15 C	250/18 C	4.8	250/15 C	250/15 C	300/15 C	4.8	250/18 C	300/15 C	300/15 C
5.1	250/15 C	250/18 C	300/15 C	5.1	250/15 C	250/18 C	300/15 C	5.1	300/15 C	300/15 C	300/18 C
5.4	250/18 C	250/18 C	300/15 C	5.4	250/18 C	300/15 C	300/18 C	5.4	300/15 C	300/18 C	350/18 C
5.7	250/18 C	300/15 C	300/18 C	5.7	300/15 C	300/15 C	350/18 C	5.7	300/18 C	350/18 C	350/18 C
6.0	300/15 C	300/15 C	300/18 C	6.0	300/15 C	300/18 C	350/18 C	6.0	350/18 C	350/18 C	400/20 C
6.3	300/15 C	300/18 C	350/18 C	6.3	300/18 C	350/18 C	350/18 C	6.3	350/18 C	350/18 C	400/20 C
6.6	300/18 C	350/18 C	350/18 C	6.6	350/18 C	350/18 C	400/20 C	6.6	350/18 C	400/20 C	400/20 C
6.9	350/18 C	350/18 C	400/20 C	6.9	350/18 C	350/18 C	400/20 C	6.9	400/20 C	400/20 C	
7.2	350/18 C	350/18 C	400/20 C	7.2	350/18 C	400/20 C	400/20 C	7.2	400/20 C	400/20 C	
7.5	350/18 C	400/20 C	400/20 C	7.5	400/20 C	400/20 C		7.5	400/20 C		
7.8	350/18 C	400/20 C	400/20 C	7.8	400/20 C	400/20 C		7.8	400/20 C		
8.1	400/20 C	400/20 C		8.1	400/20 C			8.1			
8.4	400/20 C	400/20 C		8.4	400/20 C			8.4			
8.7	400/20 C			8.7				8.7			
9.0				9.0				9.0			

NOTES

- 1) These Tables are for HST steel sections. TH refers to Top Hat sections and C refers to channel sections as shown on Table 5 below.
- 2) Short span sizes make allowance for a 1.8 kN concentrated load (as required by NZS 4203) where deflection or bending stress is higher with the concentrated load than the uniformly distributed load.
- 3) These tables are for single spans. Continuous joists over two or more spans may have allowable spans increased by 10%.
- 4) Where a load-bearing wall runs parallel to the line of joists, wall must be supported on double joists with a maximum clear width of 50 mm between them.
 5) Where a load-bearing wall is perpendicular to the line of joists, the centre of the wall must be no more than 200 mm from the centre of the bearer
- supporting the joists.
- 6) Cantilevered joists must be specifically designed.
- 7) These tables allow for a ceiling dead load of 260n/m2 (12 mm plasterboard on battens).

Steel Joists Profiles for Supercrete™ Soundfloor Table 5



			HST	STEEL J	OIST DIN	IENSION	S (mm)			
	Section	Α	В	С	D	E	F	G	Н	J
	60 x .95	32	65	108						
at	100 x .75	43	91	163	100	45	3	2	10	5
Tophat	100 x .95	43	91	163	100	45	3	2	10	5
10	120 x .95	43	98	170	120	65	3	2	10	5
	150 x .95	43	110	183	150	100	3	2	10	5
	150 x 1.15	43	110	183	150	100	3	2	10	5
	150/12	65	152	24	8	7	59	10		
	150/15	65	152	24	8	7	59	10		
	150/18	65	152	24	8	7	59	10		
	200/12	75	203	25	8	10	59	12	10	
 	200/15	75	203	25	8	10	59	12	10	
Channel	200/18	75	203	25	8	10	59	12	10	
 ar	250/15	85	250	33	10	14	59	12	25	
5	250/18	85	250	33	10	14	59	12	25	-
	300/15	100	300	38	10	64	59	12	25	
	300/18	100	300	38	10	64	59	12	25	
	350/18	100	350	43	10	92	70	12	25	
	400/20	100	400	48	10	132	75	12	25	

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