

PERFORMANCE OF CEILING PRODUCTS AND ASSOCIATED COMPONENTRY

The performance of SRP™ Ceiling Products is dependent upon correct installation. SRP™ Ceiling Products must be installed as specified in this publication and following good industry practice. In addition, all plasterboard ceiling products are to be installed in accordance with the plasterboard manufacturer's recommendations.

Specific design and seismic requirements will require an engineer's specific design and relevant producer statement for the level of building importance, class and seismic zoning if required for the building type, design and location.

DELIVERY, STORAGE AND HANDLING

Store in a dry flat area to avoid distortion and/or moisture damage. Exercise care and use appropriate safety equipment during installation.

SRP™ products are not to be installed in a corrosive atmosphere, or come in direct contact with CCA treated timber, copper or chemically treated materials. If this is unavoidable, a separation barrier between the galvanized SRP™ product and the potentially corrosive surface should be used. In addition, SRP™ recommends its products are not installed before the building envelope is enclosed. SRP™ also recommends that all electrical wiring regulations must be strictly adhered to.

Store and install all ceiling products in accordance with the New Zealand Steel GALVSTEEL® 50 year Durability Statement document.

SYSTEMS SUMMARY

SRP™ Ceiling Systems are divided into three distinct groups, each based on the connection between the SRP™ batten and the ceiling structure. SRP™ battens are available in multiple heights (See Table 2), and are fixed by either an SRP™ Strongback, an SRP™ Top Cross Rail, or direct-fix on an SRP™ Direct Fix Clip.

SYSTEM SELECTION

The SRP™ Ceiling Systems are all equitable in their ability to provide a base grid to fix GIB plasterboard to and their ability to be the batten system in GIB Plasterboard systems. It is important to note that all of the SRP™ Ceiling Systems included in this document can be used in GIB systems as the batten system.

The selection of an SRP™ system is determined by:

- Space requirements.**
 The plenum space or the internal room height may dictate the system. For example an SRP™ Direct Fix system provides less distance between the ceiling structure and the GIB plasterboard lining, this may be suitable when greater internal room height is required. Conversely, a SRP™ Strongback or SRP™ Top Cross Rail system would be suitable where there's a desire to make the ceiling lower than the ceiling structure.
- Experience and preference.**
 SRP™ Strongback and SRP™ Top Cross Rail systems provide similar opportunities to create space between the ceiling structure and the GIB Plasterboard. As such, the selection is usually determined by an installer's experience and preference.

TABLE 2





CEILING BATTEN SELECTION										
Product	Direct Fix Clip	Long Direct Fix Clip	Nail Up	Suspended with TCR / Strongback	Notched ends available	Drain holes available	Stock lengths 3.6/4.8/6.0	Volume Cut to Length	ADJ Wall Fix Clip	Resilient Clips (bought in)
Ceiling Batten 16mm 	✓	✓		✓			✓	✓	✓	✓
Ceiling Batten 28mm 	✓	✓		✓			✓	✓	✓	✓
Ceiling Batten 22mm 	✓	✓	✓	✓	Consult with SRP	✓	✓	✓	✓	✓
Ceiling Batten 35mm 	✓	✓	✓	Consult with SRP	✓	✓	✓	✓	✓	✓
35mm Ceiling Batten with 50mm Face	✓	✓	✓		✓	✓	✓	✓		

TABLE 3

SUSPENDED CEILING - STRONG BACK WITH 22_0.55 BATTEN - MAXIMUM LOADING (kg/m²)

Suspension distance - A (mm)	900				1200				1500			
	900	1200	1500	1800	900	1200	1500	1800	900	1200	1500	1800
Primary Support Spacing - B (mm)	300	372	19.0	11.0	59.4	32.4	18.5	11.0	37.3	23.6	15.1	9.9
Single Span	400	27.9	14.3	8.3	52.3	26.9	14.3	8.3	34.8	20.9	12.8	8.0
Ceiling Batten (secondary support spacing)	450	24.8	12.7	7.3	49.4	24.8	12.7	7.3	33.6	19.7	11.8	7.3
GIB fastening centres - C (mm)	600	18.6	9.5	5.5	42.3	18.6	9.5	5.5	30.6	16.9	9.5	5.5
Continuous Span	300	76.0	43.0	26.0	64.6	48.5	33.2	22.1	40.9	30.6	22.6	16.6
Ceiling Batten (secondary support spacing)	400	61.9	33.9	19.9	64.6	44.7	28.0	17.9	40.9	28.7	20.2	14.3
GIB fastening centres - C (mm)	450	56.7	30.6	17.7	64.6	42.3	25.9	16.4	40.6	27.8	19.2	13.4
	600	44.8	22.9	13.3	63.8	36.2	21.2	13.0	38.7	25.4	16.8	11.2

Deflection limit
Span/xx - L/360

Suspension distance - A (mm)	900				1200				1500			
	900	1200	1500	1800	900	1200	1500	1800	900	1200	1500	1800
Primary Support Spacing - B (mm)	300	26.8	13.7	7.9	42.8	23.3	13.3	7.9	26.8	17.0	10.9	7.1
Single Span	400	20.1	10.3	5.9	37.7	19.4	10.3	5.9	25.0	15.0	9.2	5.8
Ceiling Batten (secondary support spacing)	450	17.8	9.1	5.3	35.6	17.8	9.1	5.3	24.2	14.2	8.5	5.3
GIB fastening centres - C (mm)	600	13.4	6.8	4.0	30.4	13.4	6.8	4.0	22.0	12.2	6.8	4.0
Continuous Span	300	54.7	31.0	18.7	56.0	36.5	23.9	15.9	29.4	22.1	16.3	11.9
Ceiling Batten (secondary support spacing)	400	44.6	24.4	14.3	52.2	32.2	20.1	12.9	29.4	20.7	14.6	10.3
GIB fastening centres - C (mm)	450	40.8	22.0	12.7	50.5	30.4	18.7	11.8	29.2	20.0	13.8	9.6
	600	32.2	16.5	9.5	45.9	26.1	15.3	9.4	27.9	18.3	12.1	8.1

Deflection limit
Span/xx - L/500

Suspension distance - A (mm)	900				1200				1500			
	900	1200	1500	1800	900	1200	1500	1800	900	1200	1500	1800
Primary Support Spacing - B (mm)	300	22.3	11.4	6.6	35.6	19.5	11.1	6.6	22.4	14.2	9.1	5.9
Single Span	400	16.7	8.6	5.0	31.4	16.1	8.6	5.0	20.9	12.5	7.7	4.8
Ceiling Batten (secondary support spacing)	450	14.9	7.6	4.4	29.6	14.9	7.6	4.4	20.2	11.8	7.1	4.4
GIB fastening centres - C (mm)	600	11.1	5.7	3.3	25.4	11.1	5.7	3.3	18.4	10.2	5.7	3.3
Continuous Span	300	45.6	25.8	15.6	46.7	30.4	19.9	13.3	24.5	18.4	13.6	10.0
Ceiling Batten (secondary support spacing)	400	37.2	20.4	11.9	43.5	26.8	16.8	10.8	24.5	17.2	12.1	8.6
GIB fastening centres - C (mm)	450	34.0	18.3	10.6	42.1	25.4	15.5	9.8	24.4	16.7	11.5	8.0
	600	26.9	13.8	8.0	38.3	21.7	12.7	7.8	23.2	15.2	10.1	6.7

Deflection limit
Span/xx - L/600

See notes

* For A, B, C dimensions refer to relevant figure

TABLE 4

SUSPENDED CEILING - TOP CROSS RAIL - MAXIMUM LOADING (kg/m²)

		900						1200						1500					
		900	1200	1500	1800	900	1200	1500	1800	900	1200	1500	1800	900	1200	1500	1800		
Suspension distance - A (mm)																			
Primary Support Spacing - B (mm)																			
Batten type																			
Single Span Ceiling Batten (secondary support spacing) GIB fastening centres - C (mm)	300	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28
	400	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	450	34.0	51.1	16.5	36.9	8.6	23.1	5.0	14.9	21.6	25.5	12.7	19.1	7.6	14.9	4.8	10.8	12.7	13.0
	600	28.4	51.1	12.7	31.5	6.5	18.9	3.8	11.8	19.5	25.5	10.8	18.7	6.2	13.1	3.8	9.2	12.1	13.0
Continuous Span Ceiling Batten (secondary support spacing) GIB fastening centres - C (mm)	300	20.0	45.4	8.4	24.4	4.3	13.8	2.5	8.4	16.3	24.9	8.3	16.3	4.3	10.7	2.5	7.1	10.9	13.0
	400	34.0	51.1	16.5	36.9	8.6	23.1	5.0	14.9	21.6	25.5	12.7	19.1	7.6	14.9	4.8	10.8	12.7	13.0
	450	28.4	51.1	12.7	31.5	6.5	18.9	3.8	11.8	19.5	25.5	10.8	18.7	6.2	13.1	3.8	9.2	12.1	13.0
	600	26.2	51.1	11.3	29.4	5.8	17.3	3.3	10.7	18.6	25.5	10.0	18.1	5.7	12.4	3.3	8.6	11.8	13.0
Suspension distance - A (mm)																			
Primary Support Spacing - B (mm)																			
Batten type																			
Single Span Ceiling Batten (secondary support spacing) GIB fastening centres - C (mm)	300	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28
	400	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	450	24.5	42.7	11.9	26.6	6.2	16.7	3.6	10.7	15.5	18.3	9.1	13.8	5.5	10.7	3.4	7.8	9.2	9.4
	600	20.4	38.7	9.1	22.7	4.7	13.6	2.7	8.5	14.0	18.3	7.8	13.5	4.5	9.5	2.7	6.6	8.7	9.4
Continuous Span Ceiling Batten (secondary support spacing) GIB fastening centres - C (mm)	300	18.8	37.0	8.1	21.2	4.2	12.5	2.4	7.7	13.4	18.3	7.2	13.0	4.1	8.9	2.4	6.2	8.5	9.4
	400	14.4	32.7	6.1	17.6	3.1	10.0	1.8	6.0	11.7	17.9	6.0	11.7	3.1	7.7	1.8	5.1	7.9	9.4
	450	37.8	43.5	21.9	32.6	13.0	26.1	8.1	19.7	18.3	18.3	13.2	13.8	9.2	11.0	6.4	9.2	9.4	9.4
	600	33.5	43.5	18.2	32.6	10.4	23.8	6.3	16.5	18.1	18.3	12.0	13.8	7.9	11.0	5.3	9.2	9.4	9.4
Suspension distance - A (mm)																			
Primary Support Spacing - B (mm)																			
Batten type																			
Single Span Ceiling Batten (secondary support spacing) GIB fastening centres - C (mm)	300	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28
	400	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	450	20.4	35.5	9.9	22.1	5.2	13.9	3.0	8.9	12.9	15.3	7.6	11.5	4.6	8.9	2.9	6.5	7.6	7.8
	600	17.0	32.3	7.6	18.9	3.9	11.3	2.3	7.1	11.7	15.3	6.5	11.2	3.7	7.9	2.3	5.5	7.2	7.8
Continuous Span Ceiling Batten (secondary support spacing) GIB fastening centres - C (mm)	300	15.7	30.8	6.8	17.6	3.5	10.4	2.0	6.4	11.1	15.3	6.0	10.8	3.4	7.5	2.0	5.1	7.1	7.8
	400	12.0	27.2	5.1	14.6	2.6	8.3	1.5	5.0	9.8	14.9	5.0	9.8	2.6	6.4	1.5	4.3	6.6	7.8
	450	31.5	36.2	18.2	27.2	10.8	21.7	6.7	16.4	15.3	15.3	11.0	11.5	7.7	9.2	5.3	7.6	7.8	7.8
	600	27.9	36.2	15.2	27.2	8.7	19.8	5.3	13.7	15.1	15.3	10.0	11.5	6.6	9.2	4.4	7.6	7.8	7.8
Suspension distance - A (mm)																			
Primary Support Spacing - B (mm)																			
Batten type																			
Single Span Ceiling Batten (secondary support spacing) GIB fastening centres - C (mm)	300	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28	16.5	28
	400	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	450	20.4	35.5	9.9	22.1	5.2	13.9	3.0	8.9	12.9	15.3	7.6	11.5	4.6	8.9	2.9	6.5	7.6	7.8
	600	17.0	32.3	7.6	18.9	3.9	11.3	2.3	7.1	11.7	15.3	6.5	11.2	3.7	7.9	2.3	5.5	7.2	7.8
Continuous Span Ceiling Batten (secondary support spacing) GIB fastening centres - C (mm)	300	15.7	30.8	6.8	17.6	3.5	10.4	2.0	6.4	11.1	15.3	6.0	10.8	3.4	7.5	2.0	5.1	7.1	7.8
	400	12.0	27.2	5.1	14.6	2.6	8.3	1.5	5.0	9.8	14.9	5.0	9.8	2.6	6.4	1.5	4.3	6.6	7.8
	450	31.5	36.2	18.2	27.2	10.8	21.7	6.7	16.4	15.3	15.3	11.0	11.5	7.7	9.2	5.3	7.6	7.8	7.8
	600	27.9	36.2	15.2	27.2	8.7	19.8	5.3	13.7	15.1	15.3	10.0	11.5	6.6	9.2	4.4	7.6	7.8	7.8

* For A, B, C dimensions refer to relevant figure

See notes

TABLE 5

DIRECT FIX - CEILING - MAXIMUM LOADING (kg/m²)

Batten fastening distance - B (mm)	900						1200						1500						1800					
	16.5	28	22	35	35W	0.50	16.5	28	22	35	35W	0.50	16.5	28	22	35	35W	0.50	16.5	28	22	35	35W	0.50
Deflection limit Span/xx - L/360																								
Batten type	300	400	450	600	300	400	450	600	300	400	450	600	300	400	450	600	300	400	450	600	300	400	450	600
Single Span	40.0	136.9	88.1	255.3	283.2	16.9	57.7	37.2	107.7	119.5	8.6	29.6	19.0	55.1	61.2	5.0	17.1	11.0	31.9	35.4	16.5	50.5	35.0	100.5
Ceiling Batten (secondary support spacing)	30.0	102.6	66.1	191.5	212.4	12.7	43.3	27.9	80.8	89.6	6.5	22.2	14.3	41.4	45.9	3.8	12.8	8.3	23.9	26.5	16.5	50.5	35.0	100.5
GIB fastening centres - C (mm)	26.7	91.2	58.7	170.2	188.8	11.3	38.5	24.8	71.8	79.6	5.8	19.7	12.7	36.8	40.8	3.3	11.4	7.3	21.3	23.6	16.5	50.5	35.0	100.5
Continuous Span	96.5	256.4	203.8	389.3	398.2	40.7	139.1	89.5	219.0	224.0	20.8	71.2	45.8	132.8	143.4	12.1	41.2	26.5	76.9	85.3	16.5	50.5	35.0	100.5
Ceiling Batten (secondary support spacing)	72.3	192.3	152.9	292.0	298.7	30.5	104.3	67.1	164.2	168.0	15.6	53.4	34.4	99.6	107.5	9.0	30.9	19.9	57.7	64.0	16.5	50.5	35.0	100.5
GIB fastening centres - C (mm)	64.3	170.9	135.9	259.5	265.5	27.1	92.7	59.7	146.0	149.3	13.9	47.5	30.6	88.6	95.6	8.0	27.5	17.7	51.3	56.8	16.5	50.5	35.0	100.5
Continuous Span	48.2	128.2	101.9	194.6	199.1	20.3	69.5	44.8	109.5	112.0	10.4	35.6	22.9	66.4	71.7	6.0	20.6	13.3	38.4	42.6	16.5	50.5	35.0	100.5
Batten fastening distance - B (mm)																								
Batten type	300	400	450	600	300	400	450	600	300	400	450	600	300	400	450	600	300	400	450	600	300	400	450	600
Single Span	28.8	98.5	63.4	183.8	203.9	12.2	41.6	26.8	77.6	86.0	6.2	21.3	13.7	39.7	44.0	3.6	12.3	7.9	23.0	25.5	16.5	50.5	35.0	100.5
Ceiling Batten (secondary support spacing)	21.6	73.9	47.6	137.9	152.9	9.1	31.2	20.1	58.2	64.5	4.7	16.0	10.3	29.8	33.0	2.7	9.2	5.9	17.2	19.1	16.5	50.5	35.0	100.5
GIB fastening centres - C (mm)	19.2	65.7	42.3	122.5	135.9	8.1	27.7	17.8	51.7	57.3	4.2	14.2	9.1	26.5	29.4	2.4	8.2	5.3	15.3	17.0	16.5	50.5	35.0	100.5
Continuous Span	14.4	49.3	31.7	91.9	101.9	6.1	20.8	13.4	38.8	43.0	3.1	10.6	6.8	19.9	22.0	1.8	6.2	4.0	11.5	12.7	16.5	50.5	35.0	100.5
Ceiling Batten (secondary support spacing)	69.5	237.4	152.8	389.3	398.2	29.3	100.1	64.5	186.8	207.2	15.0	51.3	33.0	95.6	106.1	8.7	29.7	19.1	55.4	61.4	16.5	50.5	35.0	100.5
GIB fastening centres - C (mm)	52.1	178.0	114.6	292.0	298.7	22.0	75.1	48.3	140.1	155.4	11.3	38.5	24.8	71.7	79.6	6.5	22.3	14.3	41.5	46.0	16.5	50.5	35.0	100.5
Continuous Span	46.3	158.2	101.9	259.5	265.5	19.5	66.8	43.0	124.5	138.1	10.0	34.2	22.0	63.8	70.7	5.8	19.8	12.7	36.9	40.9	16.5	50.5	35.0	100.5
Ceiling Batten (secondary support spacing)	34.7	118.7	76.4	194.6	199.1	14.7	50.1	32.2	93.4	103.6	7.5	25.6	16.5	47.8	53.0	4.3	14.8	9.5	27.7	30.7	16.5	50.5	35.0	100.5
GIB fastening centres - C (mm)	16.5	50.5	35.0	100.5	136.5	16.5	50.5	35.0	100.5	136.5	16.5	50.5	35.0	100.5	136.5	16.5	50.5	35.0	100.5	136.5	16.5	50.5	35.0	100.5
Batten fastening distance - B (mm)																								
Batten type	300	400	450	600	300	400	450	600	300	400	450	600	300	400	450	600	300	400	450	600	300	400	450	600
Single Span	24.0	82.1	52.9	153.2	169.9	10.1	34.6	22.3	64.6	71.7	5.2	17.7	11.4	33.1	36.7	3.0	10.3	6.6	19.1	21.2	16.5	50.5	35.0	100.5
Ceiling Batten (secondary support spacing)	18.0	61.6	39.6	114.9	127.4	7.6	26.0	16.7	48.5	53.8	3.9	13.3	8.6	24.8	27.5	2.3	7.7	5.0	14.4	15.9	16.5	50.5	35.0	100.5
GIB fastening centres - C (mm)	16.0	54.7	35.2	102.1	113.3	6.8	23.1	14.9	43.1	47.8	3.5	11.8	7.6	22.1	24.5	2.0	6.8	4.4	12.8	14.2	16.5	50.5	35.0	100.5
Continuous Span	12.0	41.1	26.4	76.6	85.0	5.1	17.3	11.1	32.3	35.8	2.6	8.9	5.7	16.5	18.3	1.5	5.1	3.3	9.6	10.6	16.5	50.5	35.0	100.5
Ceiling Batten (secondary support spacing)	57.9	197.8	127.3	369.0	398.2	24.4	83.5	53.7	155.7	172.7	12.5	42.7	27.5	79.7	88.4	7.2	24.7	15.9	46.1	51.2	16.5	50.5	35.0	100.5
GIB fastening centres - C (mm)	43.4	148.4	95.5	276.8	298.7	18.3	62.6	40.3	116.8	129.5	9.4	32.0	20.6	59.8	66.3	5.4	18.5	11.9	34.6	38.4	16.5	50.5	35.0	100.5
Continuous Span	38.6	131.9	84.9	246.0	265.5	16.3	55.6	35.8	103.8	115.1	8.3	28.5	18.3	53.1	58.9	4.8	16.5	10.6	30.8	34.1	16.5	50.5	35.0	100.5
Ceiling Batten (secondary support spacing)	28.9	98.9	63.7	184.5	199.1	12.2	41.7	26.9	77.8	86.3	6.3	21.4	13.8	39.9	44.2	3.6	12.4	8.0	23.1	25.6	16.5	50.5	35.0	100.5
GIB fastening centres - C (mm)	20.0	68.4	44.0	127.7	141.6	8.4	28.9	18.6	53.9	59.7	4.3	14.8	9.5	27.6	30.6	2.5	8.6	5.5	16.0	17.7	16.5	50.5	35.0	100.5

See notes

* For A, B, C dimensions refer to relevant figure

TABLE 6

DIRECT FIX - WALL - MAXIMUM FACE LOADING (kg/m²)

Batten fastening distance - B (mm)		900						1200						1500							
		16.5 0.50	28 0.50	28 0.50	35 0.55	35 0.55	35W 0.55	16.5 0.50	28 0.50	28 0.50	35 0.55	35 0.55	35W 0.55	16.5 0.50	28 0.50	28 0.50	35 0.55	35 0.55	35W 0.55		
Deflection limit Span/xx - L/360	300	Single Span	40.0	136.9	88.1	255.3	283.2	16.9	57.7	37.2	107.7	119.5	8.6	29.6	19.0	55.1	61.2				
		Ceiling Batten (secondary support spacing) GIB fastening centres - C (mm)	30.0	102.6	66.1	191.5	212.4	12.7	43.3	27.9	80.8	89.6	6.5	22.2	14.3	41.4	45.9				
	400	450	600	26.7	91.2	58.7	170.2	188.8	11.3	38.5	24.8	71.8	79.6	5.8	19.7	12.7	36.8	40.8			
				20.0	68.4	44.0	127.7	141.6	8.4	28.9	18.6	53.9	59.7	4.3	14.8	9.5	27.6	30.6			
	300	400	450	600	96.5	256.4	203.8	389.3	398.2	40.7	139.1	89.5	224.0	20.8	71.2	45.8	132.8	143.4			
					72.3	192.3	152.9	292.0	298.7	30.5	104.3	67.1	164.2	168.0	15.6	53.4	34.4	99.6	107.5		
450	600	600	600	64.3	170.9	135.9	259.5	265.5	27.1	92.7	59.7	146.0	13.9	47.5	30.6	88.6	95.6				
				48.2	128.2	101.9	194.6	199.1	20.3	69.5	44.8	109.5	112.0	10.4	35.6	22.9	66.4	71.7			
Deflection limit Span/xx - L/500	300	400	450	600	16.5 0.50	28 0.50	22 0.55	35 0.55	35W 0.55	16.5 0.50	28 0.50	22 0.55	35 0.55	35W 0.55	16.5 0.50	28 0.50	22 0.55	35 0.55	35W 0.55		
					28.8	98.5	63.4	183.8	203.9	12.2	41.6	26.8	77.6	86.0	6.2	21.3	13.7	39.7	44.0		
	400	450	600	21.6	73.9	47.6	137.9	152.9	9.1	31.2	20.1	58.2	64.5	4.7	16.0	10.3	29.8	33.0			
				19.2	65.7	42.3	122.5	135.9	8.1	27.7	17.8	51.7	57.3	4.2	14.2	9.1	26.5	29.4			
	300	400	450	600	14.4	49.3	31.7	91.9	101.9	6.1	20.8	13.4	38.8	43.0	3.1	10.6	6.8	19.9	22.0		
					69.5	237.4	152.8	389.3	398.2	29.3	100.1	64.5	186.8	207.2	15.0	51.3	33.0	95.6	106.1		
400	450	600	52.1	178.0	114.6	292.0	298.7	22.0	75.1	48.3	140.1	155.4	11.3	38.5	24.8	71.7	79.6				
			46.3	158.2	101.9	259.5	265.5	19.5	66.8	43.0	124.5	138.1	10.0	34.2	22.0	63.8	70.7				
300	400	450	600	34.7	118.7	76.4	194.6	199.1	14.7	50.1	32.2	93.4	103.6	7.5	25.6	16.5	47.8	53.0			
				16.5 0.50	28 0.50	22 0.55	35 0.55	35W 0.55	16.5 0.50	28 0.50	22 0.55	35 0.55	35W 0.55	16.5 0.50	28 0.50	22 0.55	35 0.55	35W 0.55	16.5 0.50	28 0.50	22 0.55
Deflection limit Span/xx - L/600	300	400	450	600	24.0	82.1	52.9	153.2	169.9	10.1	34.6	22.3	64.6	71.7	5.2	17.7	11.4	33.1	36.7		
					18.0	61.6	39.6	114.9	127.4	7.6	26.0	16.7	48.5	53.8	3.9	13.3	8.6	24.8	27.5		
	300	400	450	600	16.0	54.7	35.2	102.1	113.3	6.8	23.1	14.9	43.1	47.8	3.5	11.8	7.6	22.1	24.5		
					12.0	41.1	26.4	76.6	85.0	5.1	17.3	11.1	32.3	35.8	2.6	8.9	5.7	16.5	18.3		
	300	400	450	600	57.9	197.8	127.3	369.0	398.2	24.4	83.5	53.7	155.7	172.7	12.5	42.7	27.5	79.7	88.4		
					43.4	148.4	95.5	276.8	298.7	18.3	62.6	40.3	116.8	129.5	9.4	32.0	20.6	59.8	66.3		
450	600	600	600	38.6	131.9	84.9	246.0	265.5	16.3	55.6	35.8	103.8	115.1	8.3	28.5	18.3	53.1	58.9			
				28.9	98.9	63.7	184.5	199.1	12.2	41.7	26.9	77.8	86.3	6.3	21.4	13.8	39.9	44.2			

* For A, B, C dimensions refer to relevant figure

See notes

SRP™ CEILING TABLES 3 – 6 NOTES

1. SRP™ Ceiling Tables are for internal ceiling applications for Importance Level 1 or 2 only where seismic considerations are not specifically required (example non-structural ceilings designed to NZS 3604:2011). Institutional applications or Importance Level 3 or 4 Specific Engineering Design is required. Contact SRP™ for further details.
2. Strength and serviceability calculations as per AS/NZS 1170 and AS/NZS 4600 for uniformly distributed gross maximum loading (kg/m^2) with a deflection limit of SRP™ Ceiling element span /360 /500 /600. Ultimate Limit State wind pressure, or concentrated live/dead loading will require Specific Engineering Design. Contact SRP™ for further details.
3. Serviceability wind pressure and self-weight (2.5kg/m^2 for 300 c/c, 1.5kg/m^2 for 600 c/c battens; use linear interpolation for other batten spacing) of the ceiling structure itself to be deducted from specified maximum loadings.
4. Suspended and Direct fix ceiling and wall tables assume no deflection and adequate capacity within overall building structure to withstand design loads applied from Steel SRP™ Ceiling literature. This should be confirmed by the project Structural Engineer.
5. Tables are applicable for either suspended or direct fix ceiling and wall structure options with minimum 10mm Plasterboard applied to the external face in accordance with Manufacturers' requirements and SRP™ Handbook. *Standard GIB® plasterboard is assumed, performance and/or specialty boards may also be used, subject to having equal or better structural properties.
6. Standard SRP™ brackets and clips to be directly fixed to the ceiling, wall (concrete or masonry) for direct fix applications. Adequate minimum resistance to uplift as per NZS 2785 to be designed and assessed by a suitably qualified Structural Engineer on a case by case basis. Contact SRP™ for more information. Strength of fixings, splice connections and suspension struts/cables are subject to further consideration.
7. Converting kg/m^2 to kN/m^2 apply a conversion factor of 9.81×10^{-3} or 0.00981.
8. Material as per AS 1397 G250 Z275 steel (or greater). BMT = Base metal thickness, TCT = Total coated thickness.
9. Consideration has not been given to fire – specialist fire engineering will also be required for FRR ceilings.
10. Acoustic requirements are not considered and are the responsibility of the specifier.
11. Storage and installation should be in strict accordance with SRP™ Handbook and project specific design documentation.
12. Designers should factor in the effects of temperature and creep when selecting SRP™ product sizes.
13. No service holes are allowed in the SRP™ Ceiling products.
14. For more information on any of the above, please contact SRP™ on 09-579 0175